Schema **taf_cat_complete_sector_3.5.0.0.xsd**

schema location:	**taf_cat_complete_sector_3.5.0.0.xsd**
attributeFormDefault:	**unqualified**
elementFormDefault:	**qualified**
targetNamespace:	**http://www.era.europa.eu/schemes/TAFTSI/3.5**

Elements	Complex types	Simple types	Attributes
Acceleration	AffectedBordersType	BitmapWeek	CI_InstanceNumber
AcceptanceInterchangePoint	AffectedBorderType	CauseCode	ExpansionType
AcceptanceTimeAtInterchange	AffectedIMsType	CommunicationRefID	LocationSubsidiaryTypeCode
ActualEndDateTime	AffectedIMType	CompanyCode	TCRTimeQualifier
ActualETA	AffectedServicesType	ConsignmentTypeCode	TimingQualifierCode
ActualETI	CapacityModelSearchCriteria	CountryIdentISO	
AdditionalInstruction	CapacityModelType	CurrencyCode_Type	
Address	CapacityProductSearchCriteria	DelayCode	
AdministrativeContactInformation	CargoCodeType	DeltaTime	
AffectedLocation	CompositIdentifierOperationalType	DerailmentDetectionDevice	
AffectedSection	CompositIdentifierPlannedType	EquipmentNumberType	
AgainstBooked	ConsignmentIdent	EquipmentTypeType	
AgainstReferenced	ContinuousType	ForwardingRestrictionType	
AgreedTimeOfDelivery	CustomerCode	FreeText	
AirBrake	DanGoodsType	InfoIndex	
AirBrakedMass	DelayType	InformationToBeDisplayedCode	
AirBrakeSpecialCharacteristic	DeviationBordersType	InternalFittingDefectCode	
AirBrakeType	DeviationLocationsType	LoadUnitNumberType	
AlertMessage	DimensionValue	MessageCode	
AllocationCompany	ExactDurationType	Money_Type	
Altitude	ImportResultType	Name	
ArrivalAtDestination	IntermodalTransportDataType	NHMCodeType	
ArrivalInterchangeReport	InvolvedICEsType	Numeric0-2	
ArrivalTimeAtDestination	InvolvedICEType	Numeric1-5	
ArrivalTimeAtLocation	LocationIdent	Numeric1-6	
ArrivalTimeAtLocationActual	OperationalConsequencesType	Numeric2-2	
ArrivalTrackAtLocation	PathType	Numeric3-3	
AssociatedAttachedLocationIdent	PeriodicalContinuousType	Numeric4-4	
AssociatedAttachedOTN	PeriodicalType	Percentage	
AssociatedAttachedTimingAtLocation	PlannedCalendarExtendedType	PercentageType	
AssociatedAttachedTrainID	PlannedLocationInfoType	RestrictionCodes	
AssociatedAttachedTrainServiceNumber	RoughDurationType	RunningStatus	
AssociatedTrain	SearchCriteriaType	Speed	
Association	SectionsType	String1-10	
AssociationLocation	SectionType	String1-14	

AvailabilityFrom
AvailabilityTo
BitmapDays
BogiePitch
BogieWagonsOnly
BookedLocationDateTime
BookedLocationTime
BrakeSpecialCharacteristics
BrakeType
BrakeUnit
BrakeWeight
BrakingPowerVariationDevice
BrakingRatio
CapacityModelMessage
CapacityProductMessage
CapacityProductSearchMessage
CapacityProductType
CarrierStatus
Category
CauseDescription
CauseType
ChangeOfTrackMessage
CharacteristicDescriptionCode
CirculationDays
CityTown
ClosingTime
CoachOrTrainsetCommercialData
Coasting
CodeOfCause
CombinedTrafficLoadProfile
ComesFromContinuesInIndicator
Comments
CommercialService
CommercialServiceCode
CommercialSpecificationCode
CommercialTrafficType
CommitmentETA
Company
CompositionStartOrChangeLocation
ConsignmentNumber
ConsignmentOrderMessage
ConsignmentOrderType
ConsignorDeclarationCode
ContainerHandlingFlag
ContractNumber
TCRSearchCriteria
TCRTimeType
TCRType
TemporalExpansionType
TimeAndOffset
TrafficMeasuresType
TrainActivityType
ValidationEntryType
WagonTelematics
WorkingDaysType
String1-5
String1-7
String1-8
String4-4
String5-5
String5-8
TCRValidationStatusType
Time
TrainCC_SystemCode
TypeOfIMHarmonizationCode
TypeOfInformationCode
TypeOfLoadUnitType
TypeOfRequestCode
TypeOfRUHarmonizationCode
UnitType
VolumeValue
WagonIdent
WeekType
WeightValueKilo
WeightValueTonne

ContractNumberMovement
CoordinatingIM
CoordinationStatus
Core
CountryCodeISO
CouplingType
CreateDateTime
Customer
CustomerNumber
Customers
CustomerType
DangerLabel
DangerousGoodsIndication
DangerousGoodsIndicator
DangerousGoodsVolume
DangerousGoodsWeight
Date
DateLastOverhaul
DateNextOverhaul
DatePutIntoService
DateTimeOfRestriction
DeclarationText
DelayCause
DelayCauseTime
DelayCodingDateTime
DelayEventDateTime
DelayEventForecast
DelayEventReport
DelayLocation
DelayMinutes
DeliveryAtDestination
DeliveryInterchangePoint
DeliveryReference
DeliveryTimeAtDestination
DeliveryTimeAtInterchange
DepartureInterchangeReport
DepartureJourneyTrack
DepartureTimeAtLocation
DepartureTrackAtLocation
Destination
Dimensions
DriverIndication
DwellTime
eMail
EmergencyBrakeOverride
EmptyPackingCode

EndDate
EndDateTime
EndLocation
ErrorMessage
EstimatedEndDateTime
EuropeanVehicleNumber
EventType
ExceptionalGaugingCode
ExceptionalGaugingIdent
ExceptionalGaugingInd
ExceptionalGaugingProfile
ExceptionPoint
ExceptionReason
ExceptionTimeAtLocation
FacilityTypeDescriptionCode
FaxNumber
FerryPermittedFlag
ForecastedDelayLocation
FreeTextField
FreightFlag
FrequencyOfDays
GeneralParameters
GeographicalCoordinates
GeographicCoordinates
GeoLocalisation
GeoLocalisationOnNetwork
GNSS_DynamicPosition
Goods
GoodsDescription
GoodsInWagon
GrossWeight
HandBrake
HandBrakeType
HandlingInstruction
HandoverPointFlag
Height
HighestPlannedSpeed
Identifiers
ILU
ILU_Details
ILU_Type
ILU_TypeDetail
IM_Partner
ImpactedRU
IncotermCode
InfoOnGoodsShapeTypeDanger

InformationToBeDisplayed
IntermediateDestination
InternalReferenceIdentifier
InternalVehicleFacility
InteropCapability
InterruptionDateTime
InterruptionDescription
InterruptionInformation
InterruptionPoint
InterruptionReason
ItineraryOfUnit
ITU
ITU_Details
ITU_Type
JourneyLocationTypeCode
JourneySection
JourneySectionDestination
JourneySectionOrigin
Keeper
KeeperShortNameVKM
LastModifiedDateTime
Latitude
LeadRU
Length
LengthOfSetOfCarriages
LengthOverBuffers
LivestockOrPeopleIndicator
LoadArea
LoadingCapacity
LoadingFacility
LoadingGauge
LoadingStatus
LoadingTackles
LoadTableStars
Location
LocationActualTrack
LocationDateTime
LocationFileDatasetMessage
LocationModified
LocationOfRestrictionDetection
LocationPlannedTrack
LocationPrimaryCode
LocationPrimaryInformation
LocationPrimaryName
LocationSubsidiaryCode
LocationSubsidiaryIdentification

LocationSubsidiaryInformation
LocationSubsidiaryName
LocoNumber
LocoTypeNumber
Longitude
MaxAxleWeight
MaxDesignSpeed
MaxGrossWeight
MaxLengthOfLoad
MaxTemp
Measure
MessageDateTimeCreated
MessageHeader
MessageIdentifier
MessageReference
MessageRoutingID
MessageStatus
MessageType
MessageTypeVersion
MinBrakedWeightPercent
MinCurveRadius
MinTemp
MinVerticalRadiusYardHump
ModificationReason
ModificationStatusIndicator
MRN_Type
Name
NetworkProjectedLocation
NetworkSpecificParameter
NextIntermediateDestination
NextResponsibleRU
NHM_Code
Noise
NoiseByPassLimit
NormalLoadingGauge
Notes
NumberOfAxles
NumberOfBogies
NumberOfVehicles
ObjectInfoMessage
ObjectType
Offset
OffsetToReference
OnDemandPath
OperationalTrainCouplingStrength
OperationalTrainNumber

OperationalTrainNumberIdentifier
Origin
OriginCountry
OtherPassengerRestrictionOrDefect
OverhaulValidityPeriod
PackingGroup
Parameters
ParkingBrakeForce
PartJourney
PassengerFlag
PassengerJourneySection
PassengerJourneySectionOrigin
PassengerTrainCompositionJourneySection
PassengerTrainCompositionMessage
PassengerTrainData
PassengerTrainRunningData
PassengerTransportRestriction
PassengerUnitRestriction
PathCanceledMessage
PathConfirmedMessage
PathCoordinationMessage
PathDetailsMessage
PathDetailsRefusedMessage
PathInformation
PathNotAvailableMessage
PathRequestMessage
PathSectionNotificationMessage
PermittedTolerance
PhoneNumber
PickupTimeAtLocation
PlannedCalendar
PlannedDateNextOverhaul
PlannedJourneyLocation
PlannedSpeed
PlannedTrainData
PlannedTrainTechnicalData
PlannedTransportIdentifiers
PostalCode
PreArrangedPath
PrepaidcodeCarrier
PrepaidCodeCustomer
PreviousConsignmentNumber
PreviousResponsibleRU
PrimaryLocationName
ProcessType

ProductionStation
PushPullTrain
Quantity
ReasonForRestriction
ReasonOfReference
ReceiptConfirmationMessage
ReceivedOnTime
Recipient
ReferencedLocationDateTime
ReferenceNumbers
ReferenceOTN
ReferenceTrainIDSubCalendar
RefusalAtInterchange
RefusalCode
RefusalTimeAtInterchange
RegenerativeBrake
RelatedIdentifier
RelatedPlannedTransportIdentifiers
RelatedReference
RelatedSenderReference
RelatedTransportOperationalIdentifiers
Remarks
RequestedCalendar
RequestedPeriod
RequestedTimeframe
ResponsibilityActualSection
ResponsibilityActualSectionPassenger
ResponsibilityNextSection
ResponsibilityNextSectionPassenger
ResponsibleApplicant
ResponsibleIM
ResponsibleRU
RestrictionOrDefectCode
RestrictionOrDefectValue
RestrictionOrProhibition
RestrictionsDueToLoadOrDamage
RetailServiceID
RevisedRequest
RFCPaP
RID
RID_Checking
RollingRoadUnit
RollingRoadUnitType
RollingStockDataset
RollingStockDatasetMessage

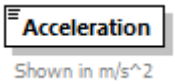
RollingStockDatasetQueryMessage
RollingStockIdentification
RollingStockRestrictionMessage
RollingStockTechnicalData
RollingStockType
RouteClass
RouteInformation
Routing
RP_Code
RU_DeclarationCode
RU_Partner
RunningStatusReportMessage
ScheduledDateTimeAtTransfer
ScheduledTimeAtHandover
ScheduledTimeAtLocation
Seals
SectionDepartureDate
SectionDepartureTime
Sender
SenderReference
Ship
SpecialServiceDescription
SpecialServiceDescriptionCode
SpecialTreatments
SRID
StartDate
StartDateTime
StartLocation
Station
StatusOfDocument
SummaryOFGoodsWithSameRID
TCRCanceledMessage
TCRClassification
TCRDirection
TCRID
TCRImportJobStatus
TCRImportMode
TCRMeasures
TCRMessage
TCRMode
TCRResponseMessage
TCRStatus
TCRTimeAtLocation
TechnicalForwardingRestrictions
TechnicalParameters
TelematicDeviceID

TiltingFunction
TimetableYear
TimeUnit
TimingAtLocation
TotalLoadWeight
TotalWeight
Traction
TractionDetails
TractionMode
TractionPositionInTrain
TractionType
TractionWeight
TrafficType
TrainActivity
TrainActivityType
TrainAtLocation
TrainCC_System
TrainCompositionJourneySection
TrainCompositionMessage
TrainContactDetails
TrainDelay
TrainDelayCauseMessage
TrainDepartureStation
TrainDestinationStation
TrainForecastAtReportingLocationMessage
TrainForecastedDelayCauseMessage
TrainID
TrainInformation
TrainJourneyModification
TrainJourneyModificationIndicator
TrainJourneyModificationMessage
TrainJourneyModificationTime
TrainJourneyStartTime
TrainLength
TrainLocationReport
TrainLocationStatus
TrainMaxSpeed
TrainNotAtInterruptionPoint
TrainOperationalIdentification
TrainOrCoachGroupComposition
TrainRadioSystem
TrainReadyMessage
TrainReadyStatus
TrainRunningData
TrainRunningForecastMessage

TrainRunningInformationMessage
TrainRunningInterruptionMessage
TrainRunningInterruptionStatus
TrainRunningTechData
TrainsetID
TrainStartTime
TrainType
TrainWeight
TransfereeIM
TransferPoint
TransportInstruction
TransportOperationalIdentifiers
TransportRestrictionCode
TransportRestrictionValue
TypeOfHeating
TypeOfIMHarmonization
TypeOfInformation
TypeOfRemovableAccessories
TypeOfRequest
TypeOfRUHarmonization
TypeofService
TypeOfUsedHybridPowerunit
UltimateDestinationCountry
UN_Number
UnitCommercialData
UnitData
UnitIdentification
UnitTechnicalData
UpdateLinkMessage
UserRU
ValidityPeriod
Value
Variant
VesselIndication
VesselName
Volume
WagonAtDeparture
WagonData
WagonETI_ETA_Message
WagonEventInformation
WagonInformation
WagonInterchangeNoticeMessage
WagonInterchangeSubNoticeMessage
WagonLength
WagonLocationStatus

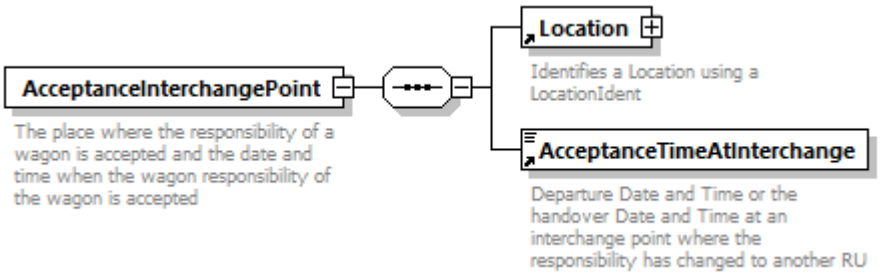
WagonMaxSpeed
WagonNumberFreight
WagonNumberOfAxles
WagonOperationalData
WagonPerformanceMessage
WagonPickupAtOrigin
WagonReceivedAtInterchangeMessage
WagonRefusedAtInterchangeMessage
Wagons
WagonStatusMessages
WagonTechData
WagonTrainPosition
WagonWeightEmpty
WeeklyPattern
WeightOfSetOfCarriages
WheelDiameter
WheelsetGauge
WheelSetTransformationMethod
Width

element **Acceleration**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:decimal**
properties	content simple
used by	element **TechnicalParameters**
annotation	documentation Shown in m/s^2

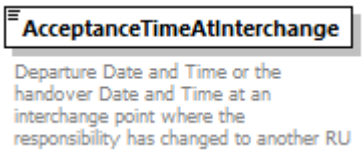
source	`<xs:element name="Acceleration" type="xs:decimal">`
	`  <xs:annotation>`
	`  <xs:documentation>Shown in m/s^2</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **AcceptanceInterchangePoint**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Location** **AcceptanceTimeAtInterchange**
used by	elements **WagonInterchangeSubNoticeMessage** **WagonReceivedAtInterchangeMessage**
annotation	documentation The place where the responsibility of a wagon is accepted and the date and time when the wagon responsibility of the wagon is accepted

source	`<xs:element name="AcceptanceInterchangePoint">`
	`  <xs:annotation>`
	`  <xs:documentation>The place where the responsibility of a wagon is accepted and the date and time when the wagon responsibility of the wagon is accepted</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Location"/>`
	`  <xs:element ref="AcceptanceTimeAtInterchange"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **AcceptanceTimeAtInterchange**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	element **AcceptanceInterchangePoint**
annotation	documentation Departure Date and Time or the handover Date and Time at an interchange point where the responsibility has changed to another RU
source	`<xs:element name="AcceptanceTimeAtInterchange" type="xs:dateTime">` `  <xs:annotation>`

```
    <xs:documentation>Departure Date and Time or the handover Date and Time at an interchange point where the responsibility has changed to another RU</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **ActualEndDateTime**

diagram	**ActualEndDateTime** Identifies the actual date and time of arrival of the Wagon or Unit on the final destination of the customer siding.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
annotation	documentation Identifies the actual date and time of arrival of the Wagon or Unit on the final destination of the customer siding.

source	`<xs:element name="ActualEndDateTime" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the actual date and time of arrival of the Wagon or Unit on the final destination of the customer siding.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ActualETA**

diagram	**ActualETA** Identifies the actual ETA date and time of arrival of the Wagon or Unit on the final destination of the customer siding.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	element **AlertMessage**
annotation	documentation Identifies the actual ETA date and time of arrival of the Wagon or Unit on the final destination of the customer siding.

source	`<xs:element name="ActualETA" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the actual ETA date and time of arrival of the Wagon or Unit on the final destination of the customer siding.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ActualETI**

diagram	**ActualETI** Identifies the actual valid estimated date and time of interchange of the Wagon or Unit at an interchange point
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
annotation	documentation Identifies the actual valid estimated date and time of interchange of the Wagon or Unit at an interchange point

source	`<xs:element name="ActualETI" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the actual valid estimated date and time of interchange of the Wagon or Unit at an interchange point</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **AdditionalInstruction**

diagram	**AdditionalInstruction** Additional instructions regarding the wagon or shipment in free text
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Additional instructions regarding the wagon or shipment in free text

source	`<xs:element name="AdditionalInstruction" type="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>Additional instructions regarding the wagon or shipment in free text</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

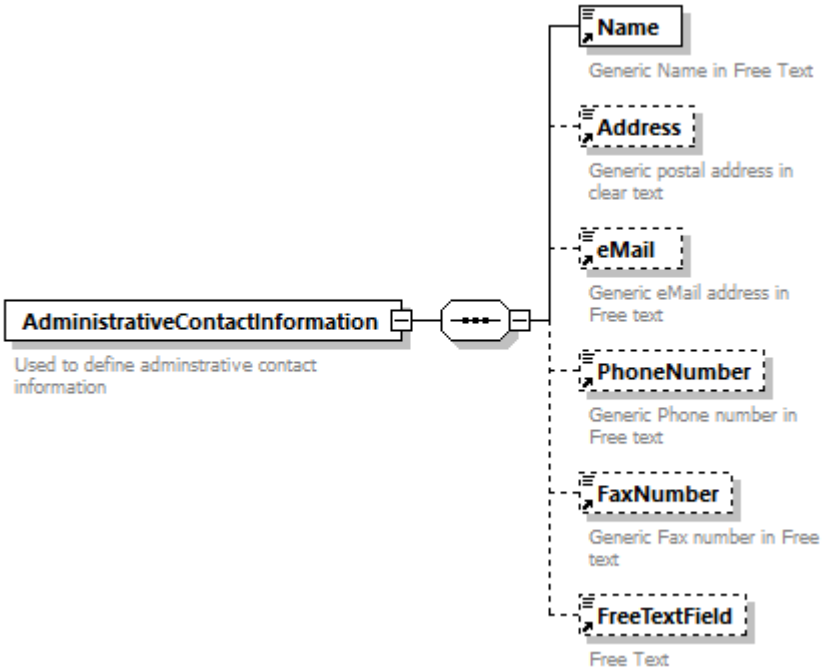
element **Address**

diagram	**Address** Generic postal address in clear text

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
used by	element **AdministrativeContactInformation**
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Generic postal address in clear text

source	`<xs:element name="Address" type="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>Generic postal address in clear text</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

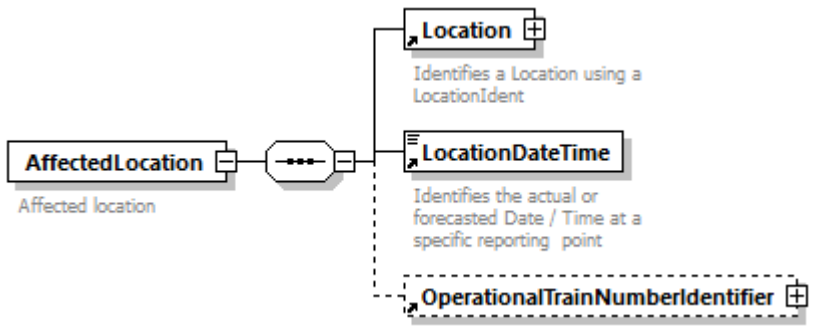
element **AdministrativeContactInformation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Name** **Address** **eMail** **PhoneNumber** **FaxNumber** **FreeTextField**
used by	elements **CapacityModelMessage** **Customers** **ErrorMessage** **LoadingFacility** **ObjectInfoMessage** **PathCanceledMessage** **PathConfirmedMessage** **PathCoordinationMessage** **PathDetailsMessage** **PathDetailsRefusedMessage** **PathNotAvailableMessage** **PathRequestMessage** **PathSectionNotificationMessage** **UpdateLinkMessage** complexType **TCRType**
annotation	documentation Used to define adminstrative contact information

source	

```
<xs:element name="AdministrativeContactInformation">
  <xs:annotation>
    <xs:documentation>Used to define adminstrative contact
information</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Name"/>
      <xs:element ref="Address" minOccurs="0"/>
      <xs:element ref="eMail" minOccurs="0"/>
      <xs:element ref="PhoneNumber" minOccurs="0"/>
      <xs:element ref="FaxNumber" minOccurs="0"/>
      <xs:element ref="FreeTextField" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

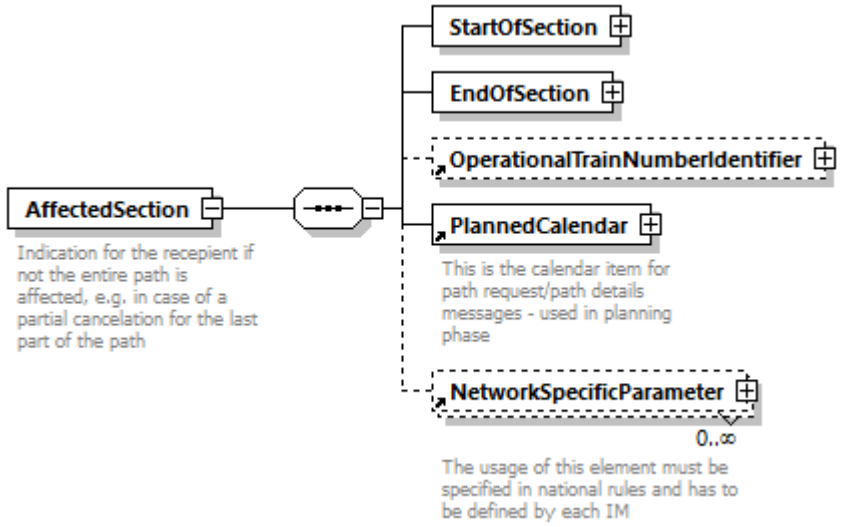
element **AffectedLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Location** **LocationDateTime** **OperationalTrainNumberIdentifier**
used by	element **ReceiptConfirmationMessage**
annotation	documentation Affected location
source	


```
<xs:element name="AffectedLocation">
  <xs:annotation>
    <xs:documentation>Affected location </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Location"/>
      <xs:element ref="LocationDateTime"/>
      <xs:element ref="OperationalTrainNumberIdentifier" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **AffectedSection**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	StartOfSection EndOfSection OperationalTrainNumberIdentifier PlannedCalendar NetworkSpecificParameter
used by	elements PathCanceledMessage PathConfirmedMessage PathDetailsRefusedMessage PathNotAvailableMessage PathSectionNotificationMessage ReceiptConfirmationMessage
annotation	documentation Indication for the recepient if not the entire path is affected, e.g. in case of a partial cancelation for the last part of the path

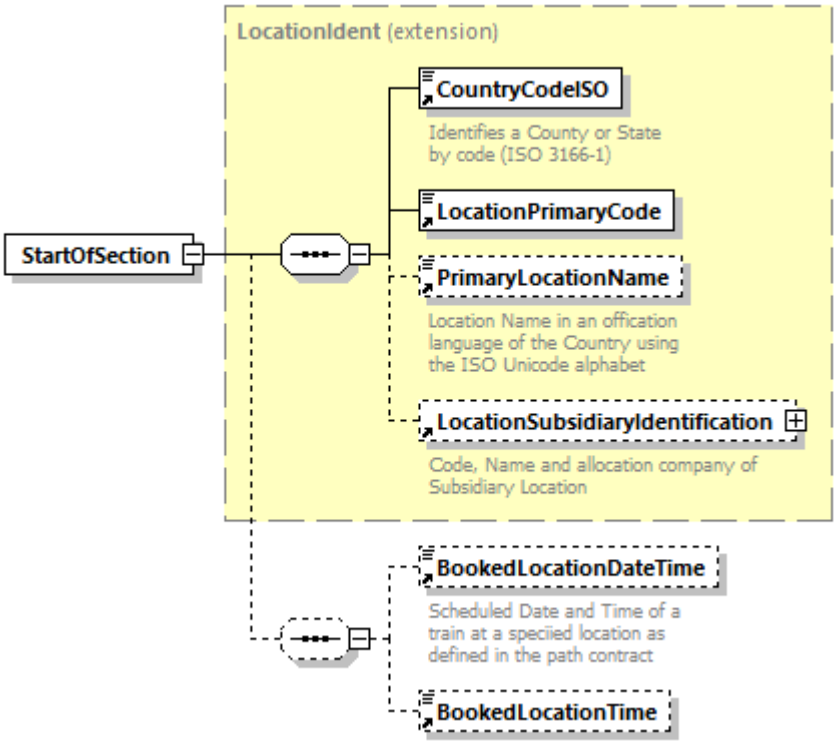
source

```
<xs:element name="AffectedSection">
  <xs:annotation>
    <xs:documentation>Indication for the recepient if not the entire path is
affected, e.g. in case of a partial cancelation for the last part of the
path</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="StartOfSection">
        <xs:complexType>
          <xs:complexContent>
            <xs:extension base="LocationIdent">
              <xs:sequence minOccurs="0">
                <xs:element ref="BookedLocationDateTime" minOccurs="0"/>
                <xs:element ref="BookedLocationTime" minOccurs="0"/>
              </xs:sequence>
            </xs:extension>
          </xs:complexContent>
        </xs:complexType>
      </xs:element>
      <xs:element name="EndOfSection">
        <xs:complexType>
          <xs:complexContent>
            <xs:extension base="LocationIdent">
              <xs:sequence minOccurs="0">
                <xs:element ref="BookedLocationDateTime" minOccurs="0"/>
```

```
                <xs:element ref="BookedLocationTime" minOccurs="0"/>
              </xs:sequence>
            </xs:extension>
          </xs:complexContent>
        </xs:complexType>
      </xs:element>
      <xs:element ref="OperationalTrainNumberIdentifier" minOccurs="0"/>
      <xs:element ref="PlannedCalendar"/>
      <xs:element ref="NetworkSpecificParameter" minOccurs="0"
maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **AffectedSection/StartOfSection**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification** **BookedLocationDateTime** **BookedLocationTime**

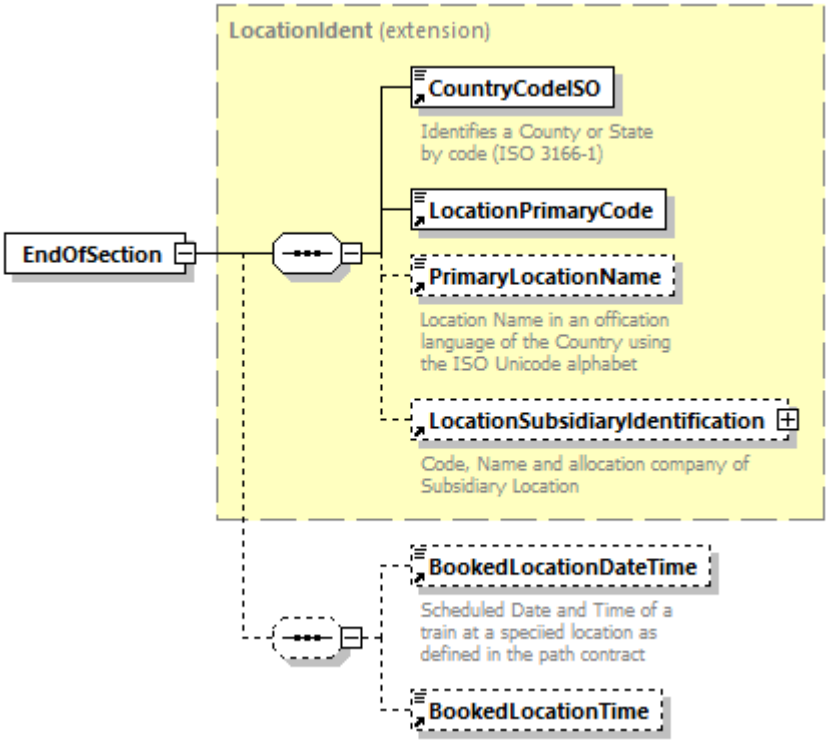
source

```
<xs:element name="StartOfSection">
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="LocationIdent">
        <xs:sequence minOccurs="0">
```

```
            <xs:element ref="BookedLocationDateTime" minOccurs="0"/>
            <xs:element ref="BookedLocationTime" minOccurs="0"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
  </xs:element>
```

element **AffectedSection/EndOfSection**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification** **BookedLocationDateTime** **BookedLocationTime**

source

```
<xs:element name="EndOfSection">
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="LocationIdent">
        <xs:sequence minOccurs="0">
          <xs:element ref="BookedLocationDateTime" minOccurs="0"/>
          <xs:element ref="BookedLocationTime" minOccurs="0"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
```

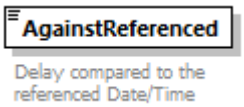
	`</xs:element>`

element **AgainstBooked**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**DeltaTime**
properties	content simple
used by	element **TrainDelay**
facets	Kind Value Annotation length 5
annotation	documentation Identifies the Delta delay time against the booked schedule in minutes

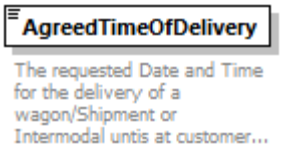
source	`<xs:element name="AgainstBooked" type="DeltaTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the Delta delay time against the booked schedule in minutes</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **AgainstReferenced**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**DeltaTime**
properties	content simple
used by	element **TrainDelay**
facets	Kind Value Annotation length 5
annotation	documentation Delay compared to the referenced Date/Time

source	`<xs:element name="AgainstReferenced" type="DeltaTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Delay compared to the referenced Date/Time</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

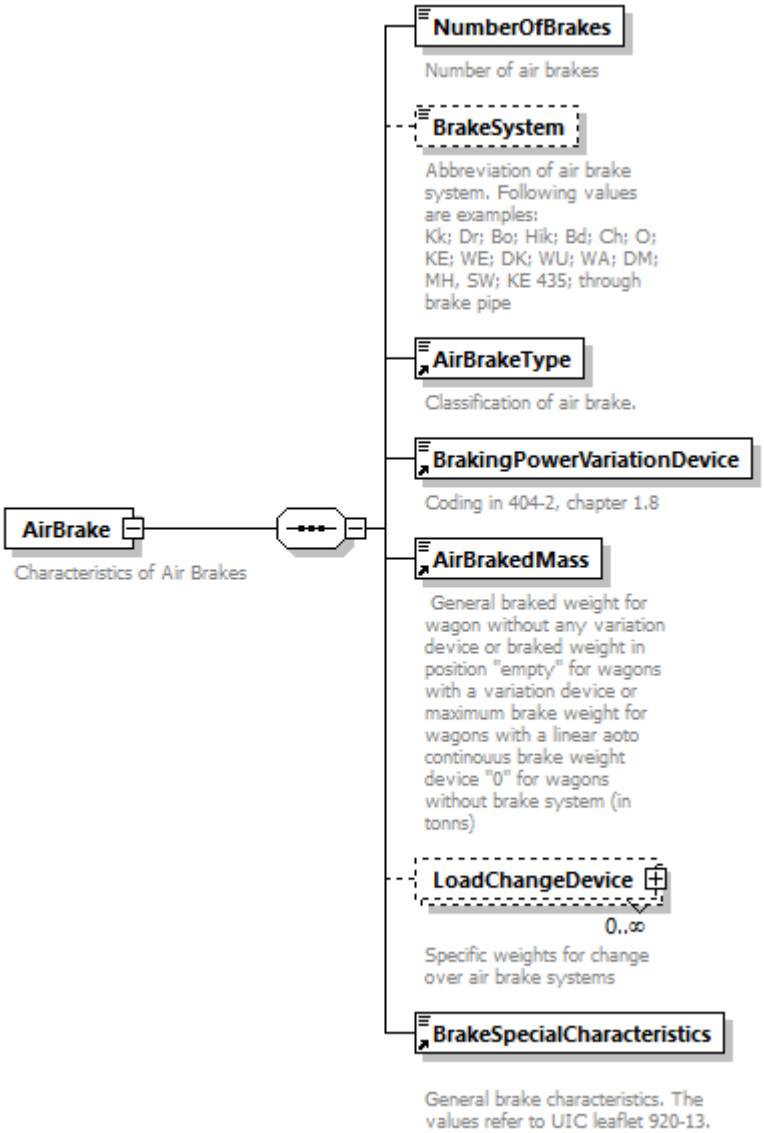
element **AgreedTimeOfDelivery**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	element **ConsignmentOrderMessage/COMS/COM**
annotation	documentation The requested Date and Time for the delivery of a wagon/Shipment or Intermodal untis at customer sidings

source	`<xs:element name="AgreedTimeOfDelivery" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>The requested Date and Time for the delivery of a wagon/Shipment or Intermodal untis at customer sidings</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **AirBrake**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**NumberOfBrakes** **BrakeSystem** **AirBrakeType** **BrakingPowerVariationDevice** **AirBrakedMass** **LoadChangeDevice** **BrakeSpecialCharacteristics**
used by	elements **RollingStockDataset/DesignDataSet** **RollingStockTechnicalData**
annotation	documentation Characteristics of Air Brakes

source

```
<xs:element name="AirBrake">
  <xs:annotation>
    <xs:documentation>Characteristics of Air Brakes</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
```

```
      <xs:element name="NumberOfBrakes" type="Numeric2-2">
        <xs:annotation>
          <xs:documentation>Number of air brakes</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="BrakeSystem" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Abbreviation of air brake system. Following values are
examples:
Kk; Dr; Bo; Hik; Bd; Ch; O; KE; WE; DK; WU; WA; DM; MH, SW; KE 435; through brake
pipe</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="256"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="AirBrakeType"/>
      <xs:element ref="BrakingPowerVariationDevice"/>
      <xs:element ref="AirBrakedMass">
        <xs:annotation>
          <xs:documentation> General braked weight for wagon without any variation
device or braked weight in position "empty" for wagons with a variation device or
maximum brake weight for wagons with a linear aoto continouus brake weight device
"0" for wagons without brake system (in tonns)</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="LoadChangeDevice" minOccurs="0" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>Specific weights for change over air brake
systems</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="ChangeOverWeight" type="Numeric3-3">
              <xs:annotation>
                <xs:documentation>Change over weight of braked weight in tonns
variation device</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="AirBrakedMassLoaded" type="Numeric3-3">
              <xs:annotation>
                <xs:documentation>Braked weight in tonns loaded for change over
weight</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element ref="BrakeSpecialCharacteristics"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **AirBrake/NumberOfBrakes**

diagram	**NumberOfBrakes** Number of air brakes
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Numeric2-2**
properties	content simple
facets	Kind Value Annotation minInclusive 01 maxInclusive 99
annotation	documentation Number of air brakes

source	`<xs:element name="NumberOfBrakes" type="Numeric2-2">`
	`  <xs:annotation>`
	`  <xs:documentation>Number of air brakes</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **AirBrake/BrakeSystem**

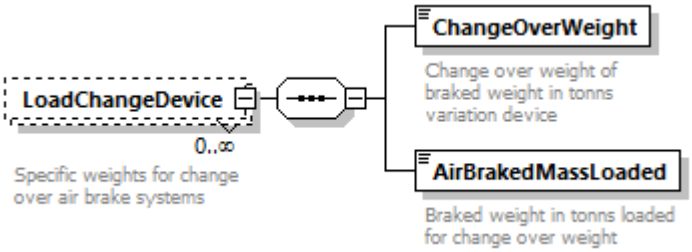
diagram	**BrakeSystem** Abbreviation of air brake system. Following values are examples: Kk; Dr; Bo; Hik; Bd; Ch; O; KE; WE; DK; WU; WA; DM; MH, SW; KE 435; through brake pipe
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 256
annotation	documentation Abbreviation of air brake system. Following values are examples: Kk; Dr; Bo; Hik; Bd; Ch; O; KE; WE; DK; WU; WA; DM; MH, SW; KE 435; through brake pipe

source	`<xs:element name="BrakeSystem" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Abbreviation of air brake system. Following values are examples:`
	`Kk; Dr; Bo; Hik; Bd; Ch; O; KE; WE; DK; WU; WA; DM; MH, SW; KE 435; through brake pipe</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`

```
      <xs:maxLength value="256"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **AirBrake/LoadChangeDevice**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc unbounded content complex
children	**ChangeOverWeight** **AirBrakedMassLoaded**
annotation	documentation Specific weights for change over air brake systems

source

```
<xs:element name="LoadChangeDevice" minOccurs="0" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>Specific weights for change over air brake
systems</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="ChangeOverWeight" type="Numeric3-3">
        <xs:annotation>
          <xs:documentation>Change over weight of braked weight in tonns variation
device</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="AirBrakedMassLoaded" type="Numeric3-3">
        <xs:annotation>
          <xs:documentation>Braked weight in tonns loaded for change over
weight</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **AirBrake/LoadChangeDevice/ChangeOverWeight**

diagram	**ChangeOverWeight** Change over weight of braked weight in tonns variation device
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Numeric3-3**
properties	content simple
facets	Kind / Value / Annotation minInclusive 001 maxInclusive 999
annotation	documentation Change over weight of braked weight in tonns variation device

source	`<xs:element name="ChangeOverWeight" type="Numeric3-3">`
	`  <xs:annotation>`
	`  <xs:documentation>Change over weight of braked weight in tonns variation device</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **AirBrake/LoadChangeDevice/AirBrakedMassLoaded**

diagram	**AirBrakedMassLoaded** Braked weight in tonns loaded for change over weight
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Numeric3-3**
properties	content simple
facets	Kind / Value / Annotation minInclusive 001 maxInclusive 999
annotation	documentation Braked weight in tonns loaded for change over weight

source	`<xs:element name="AirBrakedMassLoaded" type="Numeric3-3">`
	`  <xs:annotation>`
	`  <xs:documentation>Braked weight in tonns loaded for change over weight</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **AirBrakedMass**

diagram	**AirBrakedMass** General braked weight for wagon without a variation device; Braked weight empty for wagons with a variation device; maximum braked weight for wagons with linear auto continuous device; "0" for wagons without air brake (in tons).
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	element **AirBrake**
facets	Kind Value Annotation minInclusive 0 maxInclusive 999
annotation	documentation General braked weight for wagon without a variation device; Braked weight empty for wagons with a variation device; maximum braked weight for wagons with linear auto continuous device; "0" for wagons without air brake (in tons).

source

```
<xs:element name="AirBrakedMass">
  <xs:annotation>
    <xs:documentation>General braked weight for wagon without a variation device; Braked weight empty for wagons with a variation device; maximum braked weight for wagons with linear auto continuous device; "0" for wagons without air brake (in tons).</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="0"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **AirBrakeSpecialCharacteristic**

diagram	**AirBrakeSpecialCharacteristic** Special characteristic of an air brake system (e.g. two or more steps brake)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:string**
properties	content simple
used by	elements **RollingStockTechnicalData** **UnitTechnicalData**
annotation	documentation Special characteristic of an air brake system (e.g. two or more steps brake)

source	<xs:element name="AirBrakeSpecialCharacteristic" type="xs:string"> <xs:annotation> <xs:documentation>Special characteristic of an air brake system (e.g. two or more steps brake)</xs:documentation> </xs:annotation> </xs:element>

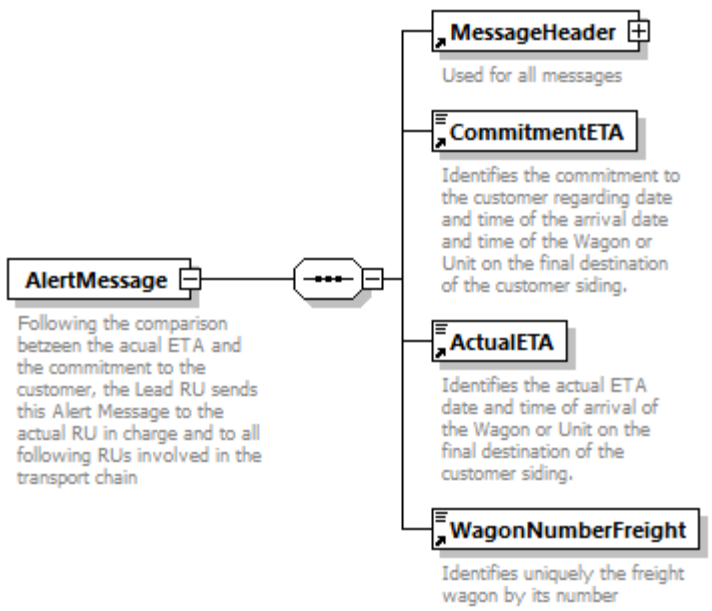
element **AirBrakeType**

diagram	AirBrakeType Classification of air brake.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	elements **AirBrake** **UnitTechnicalData** **WagonTechData**
facets	Kind / Value / Annotation enumeration 0 documentation Through pipe enumeration 1 documentation G system only enumeration 2 documentation P system only enumeration 3 documentation G/P combined system enumeration 8 documentation No air brake or brake pipe enumeration 9 documentation Non coded system
annotation	documentation Classification of air brake.
source	<xs:element name="AirBrakeType"> <xs:annotation> <xs:documentation>Classification of air brake.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="0"> <xs:annotation> <xs:documentation>Through pipe</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>G system only</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="2"> <xs:annotation> <xs:documentation>P system only</xs:documentation> </xs:annotation>

```
      </xs:enumeration>
      <xs:enumeration value="3">
        <xs:annotation>
          <xs:documentation>G/P combined system</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="8">
        <xs:annotation>
          <xs:documentation>No air brake or brake pipe</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="9">
        <xs:annotation>
          <xs:documentation>Non coded system</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **AlertMessage**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **CommitmentETA** **ActualETA** **WagonNumberFreight**
annotation	documentation Following the comparison betzeen the acual ETA and the commitment to the customer, the Lead RU sends this Alert Message to the actual RU in charge and to all following RUs involved in the transport chain

source

```
<xs:element name="AlertMessage">
  <xs:annotation>
    <xs:documentation>Following the comparison betzeen the acual ETA and the
commitment to the customer, the Lead RU sends this Alert Message to the actual RU
```

```
in charge and to all following RUs involved in the transport chain</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="CommitmentETA"/>
      <xs:element ref="ActualETA"/>
      <xs:element ref="WagonNumberFreight"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **AllocationCompany**

diagram	**AllocationCompany** Name of company who is responsible for allocation and maintenance of codes
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
used by	elements **LocationSubsidiaryIdentification** **LocationSubsidiaryInformation**
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Name of company who is responsible for allocation and maintenance of codes

source	`<xs:element name="AllocationCompany" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Name of company who is responsible for allocation and maintenance of codes</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

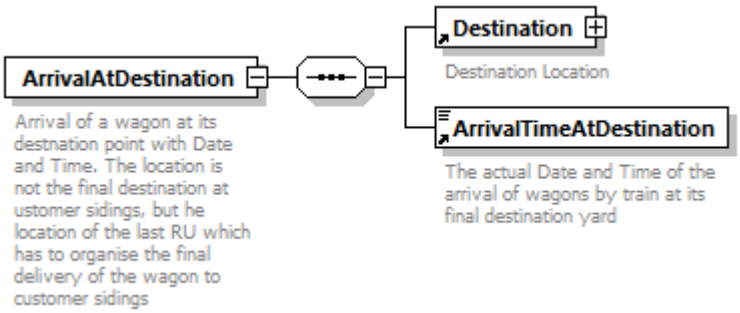
element **Altitude**

diagram	**Altitude** Altitude (in m) at the beginning of the SP. Considering ETRS89 as reference. Starting at -1000m
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:integer**
properties	content simple

used by	element **GeographicCoordinates**
annotation	documentation Altitude (in m) at the beginning of the SP. Considering ETRS89 as reference. Starting at -1000m

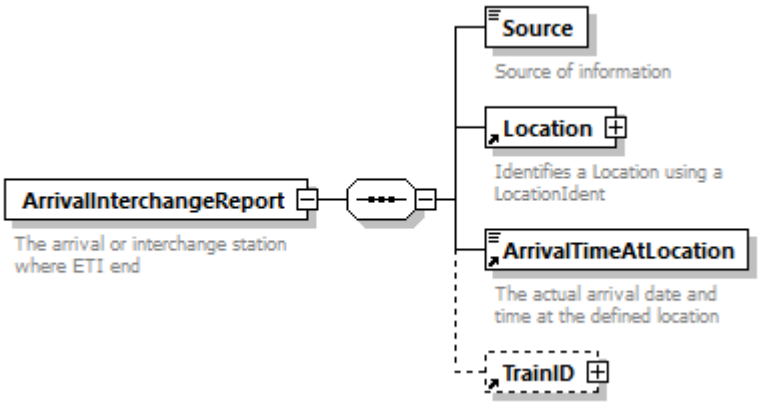
source	`<xs:element name="Altitude" type="xs:integer">`
	`  <xs:annotation>`
	`  <xs:documentation>Altitude (in m) at the beginning of the SP. Considering ETRS89 as reference. Starting at -1000m</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ArrivalAtDestination**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Destination** **ArrivalTimeAtDestination**
annotation	documentation Arrival of a wagon at its destnation point with Date and Time. The location is not the final destination at ustomer sidings, but he location of the last RU which has to organise the final delivery of the wagon to customer sidings

source	`<xs:element name="ArrivalAtDestination">`
	`  <xs:annotation>`
	`  <xs:documentation>Arrival of a wagon at its destnation point with Date and Time. The location is  not the final destination at ustomer sidings, but he location of the last RU which has to organise the final delivery of the wagon to customer sidings</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Destination"/>`
	`  <xs:element ref="ArrivalTimeAtDestination"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **ArrivalInterchangeReport**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Source** **Location** **ArrivalTimeAtLocation** **TrainID**
used by	element **WagonETI_ETA_Message**
annotation	documentation The arrival or interchange station where ETI end

source

```
<xs:element name="ArrivalInterchangeReport">
  <xs:annotation>
    <xs:documentation>The arrival or interchange station where ETI
end</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Source">
        <xs:annotation>
          <xs:documentation>Source of information</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:enumeration value="Experienced time of arrival"/>
            <xs:enumeration value="Real Time Train Situation"/>
            <xs:enumeration value="Estimated time of arrival"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="Location"/>
      <xs:element ref="ArrivalTimeAtLocation"/>
      <xs:element ref="TrainID" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ArrivalInterchangeReport/Source**

diagram	Source Source of information
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind / Value / Annotation enumeration: Experienced time of arrival enumeration: Real Time Train Situation enumeration: Estimated time of arrival
annotation	documentation Source of information

source	`<xs:element name="Source">`
	`  <xs:annotation>`
	`  <xs:documentation>Source of information</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:enumeration value="Experienced time of arrival"/>`
	`  <xs:enumeration value="Real Time Train Situation"/>`
	`  <xs:enumeration value="Estimated time of arrival"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ArrivalTimeAtDestination**

diagram	ArrivalTimeAtDestination The actual Date and Time of the arrival of wagons by train at its final destination yard
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	element **ArrivalAtDestination**
annotation	documentation The actual Date and Time of the arrival of wagons by train at its final destination yard

source	`<xs:element name="ArrivalTimeAtDestination" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>The actual Date and Time of the arrival of wagons by train at its final destination yard</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ArrivalTimeAtLocation**

diagram	**ArrivalTimeAtLocation** The actual arrival date and time at the defined location
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	element **ArrivalInterchangeReport**
annotation	documentation The actual arrival date and time at the defined location

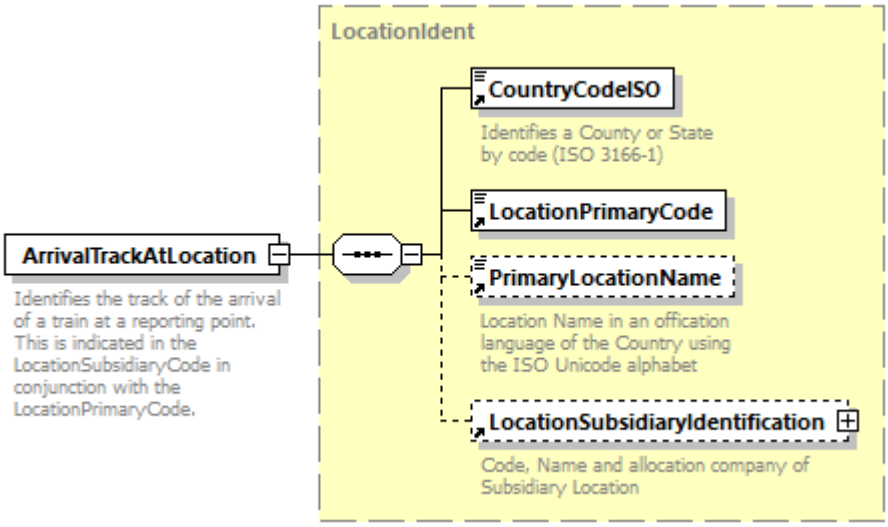
source	`<xs:element name="ArrivalTimeAtLocation" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>The actual arrival date and time at the defined location</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ArrivalTimeAtLocationActual**

diagram	**ArrivalTimeAtLocationActual** The actual arrival date and time at the defined location
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
annotation	documentation The actual arrival date and time at the defined location

source	`<xs:element name="ArrivalTimeAtLocationActual" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>The actual arrival date and time at the defined location</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

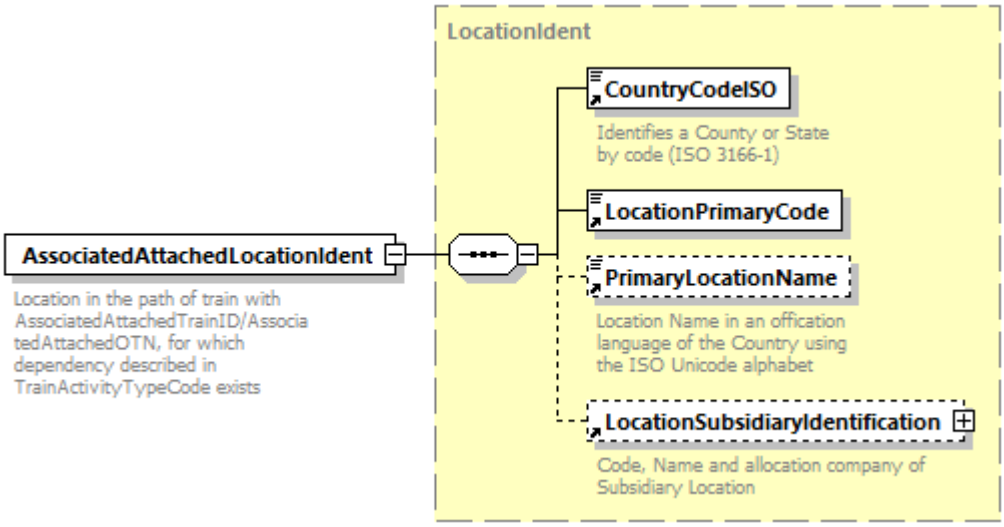
element **ArrivalTrackAtLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation Identifies the track of the arrival of a train at a reporting point. This is indicated in the LocationSubsidiaryCode in conjunction with the LocationPrimaryCode.

source

```
<xs:element name="ArrivalTrackAtLocation" type="LocationIdent">
  <xs:annotation>
    <xs:documentation>Identifies the track of the arrival of a train at a reporting
point.  This is indicated in the LocationSubsidiaryCode in conjunction with the
LocationPrimaryCode.  </xs:documentation>
  </xs:annotation>
</xs:element>
```

element **AssociatedAttachedLocationIdent**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	complexType **TrainActivityType**
annotation	documentation Location in the path of train with AssociatedAttachedTrainID/AssociatedAttachedOTN, for which dependency described in TrainActivityTypeCode exists

source	`<xs:element name="AssociatedAttachedLocationIdent" type="LocationIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>Location in the path of train with AssociatedAttachedTrainID/AssociatedAttachedOTN, for which dependency described in TrainActivityTypeCode exists </xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

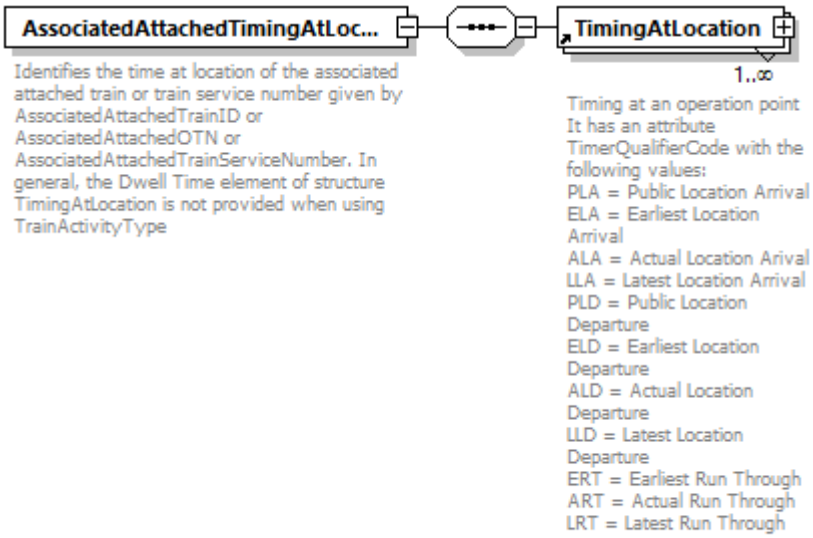
element **AssociatedAttachedOTN**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**String1-8**
properties	content simple
used by	elements **TrainOrCoachGroupComposition/Unit/ItineraryOfCoachOrTrainset/AssociatedTrain** **Association** complexType **TrainActivityType**
facets	Kind Value Annotation

	minLength 1 maxLength 8
annotation	documentation Identifies the associated train for the activity for traffic management purposes by the Dispatcher, GSMR services, etc.

source	`<xs:element name="AssociatedAttachedOTN" type="String1-8">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the associated train for the activity for traffic management purposes by the Dispatcher, GSMR services, etc.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

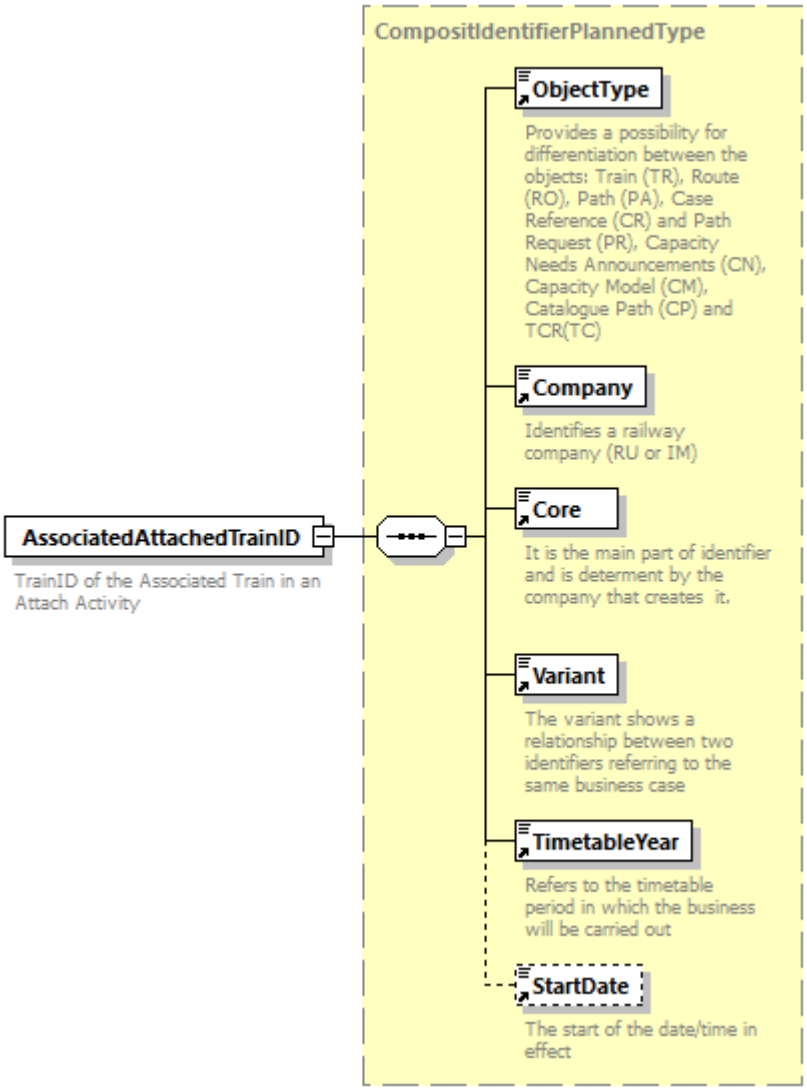
element **AssociatedAttachedTimingAtLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**TimingAtLocation**
used by	complexType **TrainActivityType**
annotation	documentation Identifies the time at location of the associated attached train or train service number given by AssociatedAttachedTrainID or AssociatedAttachedOTN or AssociatedAttachedTrainServiceNumber. In general, the Dwell Time element of structure TimingAtLocation is not provided when using TrainActivityType
source	`<xs:element name="AssociatedAttachedTimingAtLocation">` `  <xs:annotation>` ` <xs:documentation>Identifies the time at location of the associated attached train or train service number given by AssociatedAttachedTrainID or AssociatedAttachedOTN or AssociatedAttachedTrainServiceNumber. In general, the Dwell Time element of structure TimingAtLocation is not provided when using TrainActivityType</xs:documentation>` ` </xs:annotation>` ` <xs:complexType>` ` <xs:sequence>`

```
      <xs:element ref="TimingAtLocation" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **AssociatedAttachedTrainID**

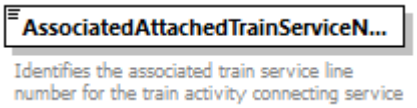
diagram



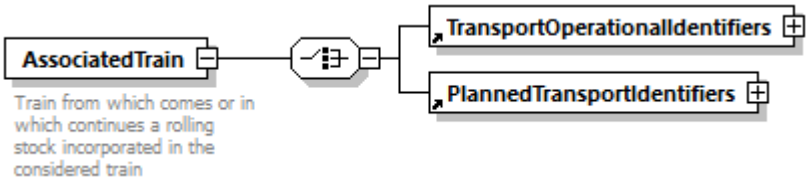
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompositIdentifierPlannedType**
properties	content complex
children	**ObjectType** **Company** **Core** **Variant** **TimetableYear** **StartDate**
used by	elements **TrainOrCoachGroupComposition/Unit/ItineraryOfCoachOrTrainset/AssociatedTrain** **Association** complexType **TrainActivityType**
annotation	documentation TrainID of the Associated Train in an Attach Activity

source	<xs:element name="AssociatedAttachedTrainID" type="CompositIdentifierPlannedType"> <xs:annotation> <xs:documentation>TrainID of the Associated Train in an Attach Activity</xs:documentation> </xs:annotation> </xs:element>

element **AssociatedAttachedTrainServiceNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**String1-8**
properties	content simple
used by	complexType **TrainActivityType**
facets	Kind Value Annotation minLength 1 maxLength 8
annotation	documentation Identifies the associated train service line number for the train activity connecting service
source	<xs:element name="AssociatedAttachedTrainServiceNumber" type="String1-8"> <xs:annotation> <xs:documentation>Identifies the associated train service line number for the train activity connecting service</xs:documentation> </xs:annotation> </xs:element>

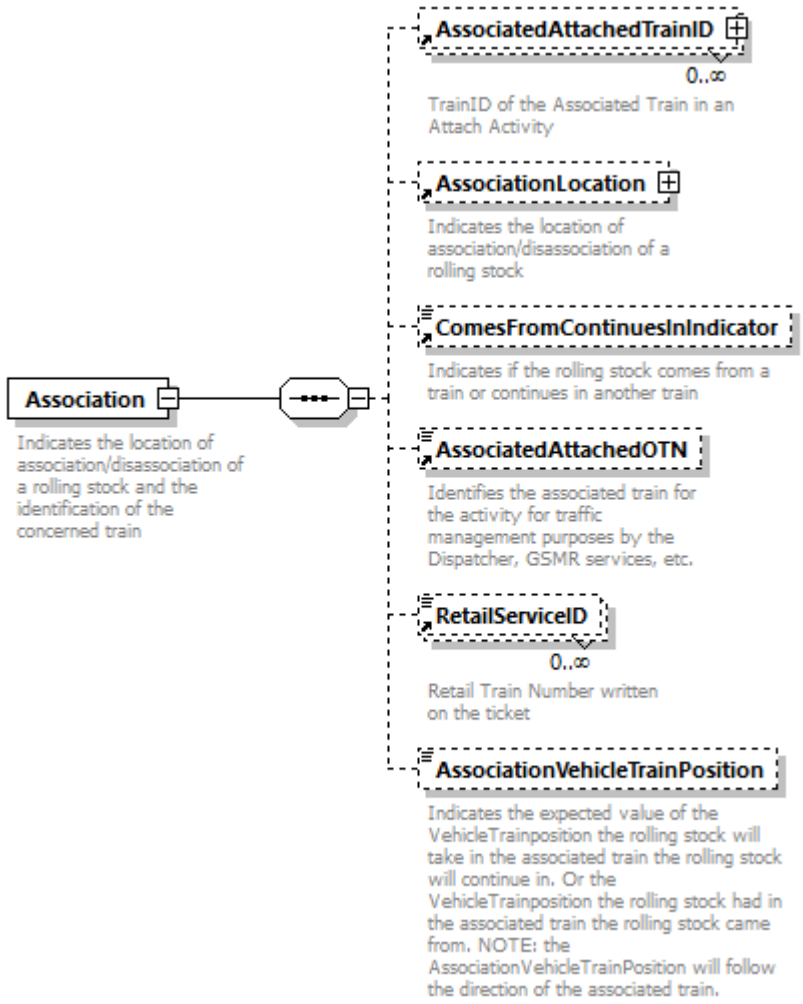
element **AssociatedTrain**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**TransportOperationalIdentifiers** **PlannedTransportIdentifiers**
annotation	documentation Train from which comes or in which continues a rolling stock incorporated in the considered train
source	<xs:element name="AssociatedTrain"> <xs:annotation> <xs:documentation>Train from which comes or in which continues a rolling stock

```
incorporated in the considered train</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:choice>
      <xs:element ref="TransportOperationalIdentifiers"/>
      <xs:element ref="PlannedTransportIdentifiers"/>
    </xs:choice>
  </xs:complexType>
</xs:element>
```

element **Association**

diagram



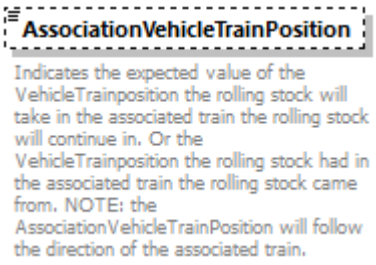
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**AssociatedAttachedTrainID** **AssociationLocation** **ComesFromContinuesInIndicator** **AssociatedAttachedOTN** **RetailServiceID** **AssociationVehicleTrainPosition**
used by	element **ItineraryOfUnit**
annotation	documentation Indicates the location of association/disassociation of a rolling stock and the identification of the concerned train

source

```
<xs:element name="Association">
  <xs:annotation>
    <xs:documentation>Indicates the location of association/disassociation of a
rolling stock and the identification of the concerned train </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="AssociatedAttachedTrainID" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element ref="AssociationLocation" minOccurs="0"/>
      <xs:element ref="ComesFromContinuesInIndicator" minOccurs="0"/>
      <xs:element ref="AssociatedAttachedOTN" minOccurs="0"/>
      <xs:element ref="RetailServiceID" minOccurs="0" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>Retail Train Number written on the
ticket</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="AssociationVehicleTrainPosition" minOccurs="0"
maxOccurs="1">
        <xs:annotation>
          <xs:documentation>Indicates the expected value of the
VehicleTrainposition the rolling stock will take in the associated train the rolling
stock will continue in. Or the VehicleTrainposition the rolling stock had in the
associated train the rolling stock came from. NOTE: the
AssociationVehicleTrainPosition will follow the direction of the associated
train.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:integer">
            <xs:minInclusive value="1"/>
            <xs:maxInclusive value="99"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **Association/AssociationVehicleTrainPosition**

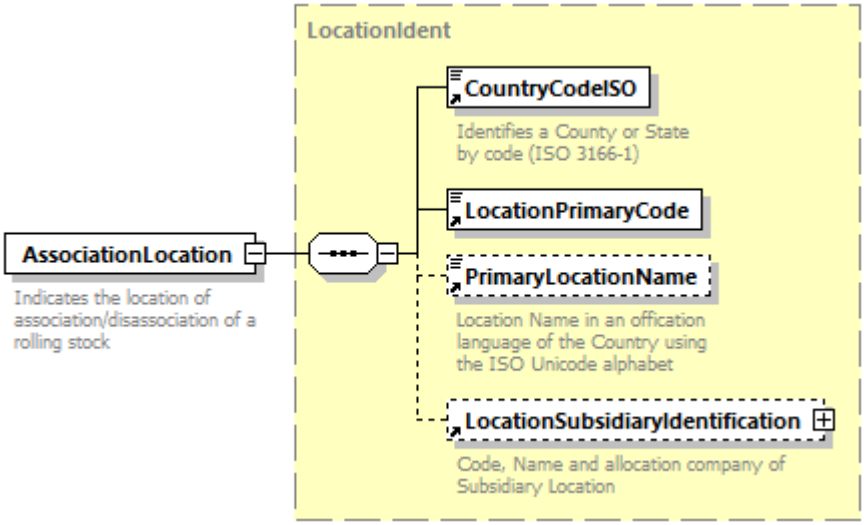
diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**

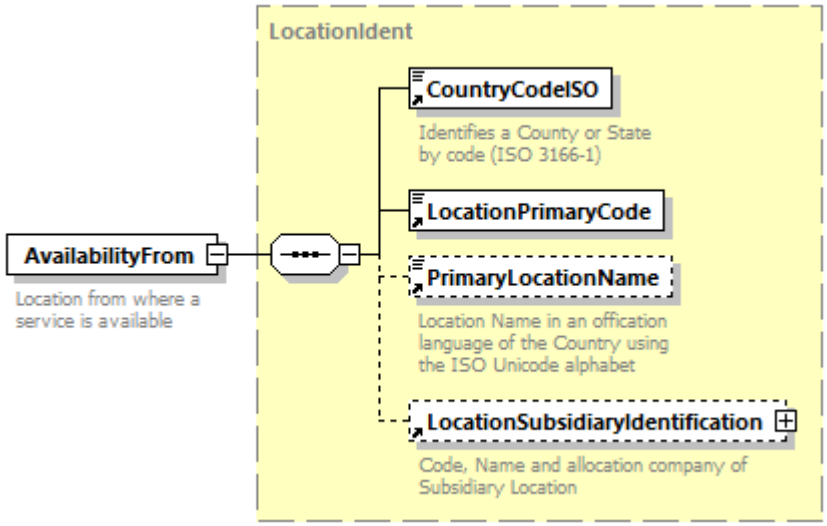
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 99
annotation	documentation Indicates the expected value of the VehicleTrainposition the rolling stock will take in the associated train the rolling stock will continue in. Or the VehicleTrainposition the rolling stock had in the associated train the rolling stock came from. NOTE: the AssociationVehicleTrainPosition will follow the direction of the associated train.
source	`<xs:element name="AssociationVehicleTrainPosition" minOccurs="0" maxOccurs="1">` `  <xs:annotation>` ` <xs:documentation>Indicates the expected value of the VehicleTrainposition the rolling stock will take in the associated train the rolling stock will continue in. Or the VehicleTrainposition the rolling stock had in the associated train the rolling stock came from. NOTE: the AssociationVehicleTrainPosition will follow the direction of the associated train.</xs:documentation>` ` </xs:annotation>` ` <xs:simpleType>` ` <xs:restriction base="xs:integer">` ` <xs:minInclusive value="1"/>` ` <xs:maxInclusive value="99"/>` ` </xs:restriction>` ` </xs:simpleType>` `</xs:element>`

element **AssociationLocation**

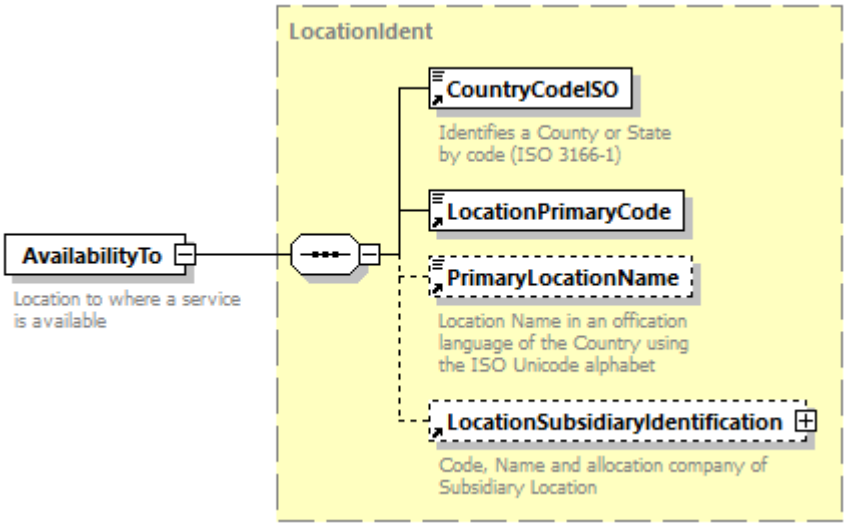
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	element **Association**

annotation	documentation Indicates the location of association/disassociation of a rolling stock
source	<xs:element name="AssociationLocation" type="LocationIdent"> <xs:annotation> <xs:documentation>Indicates the location of association/disassociation of a rolling stock</xs:documentation> </xs:annotation> </xs:element>

element **AvailabilityFrom**

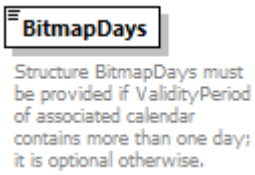
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	elements **CommercialService** **SpecialServiceDescription**
annotation	documentation Location from where a service is available
source	<xs:element name="AvailabilityFrom" type="LocationIdent"> <xs:annotation> <xs:documentation>Location from where a service is available</xs:documentation> </xs:annotation> </xs:element>

element **AvailabilityTo**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	elements **CommercialService** **SpecialServiceDescription**
annotation	documentation Location to where a service is available

source	`<xs:element name="AvailabilityTo" type="LocationIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>Location to where a service is available</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **BitmapDays**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	elements **PlannedCalendar** **ReferenceTrainIDSubCalendar** **RequestedCalendar**
facets	Kind Value Annotation minLength 1 maxLength 740

	whiteSpace collapse pattern [0-1]{1,740}
annotation	documentation Structure BitmapDays must be provided if ValidityPeriod of associated calendar contains more than one day; it is optional otherwise.
source	<xs:element name="BitmapDays"> <xs:annotation> <xs:documentation>Structure BitmapDays must be provided if ValidityPeriod of associated calendar contains more than one day; it is optional otherwise.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="740"/> <xs:whiteSpace value="collapse"/> <xs:pattern value="[0-1]{1,740}"/> </xs:restriction> </xs:simpleType> </xs:element>

element **BogiePitch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation Bogie Wheelbase measured in mm
source	<xs:element name="BogiePitch"> <xs:annotation> <xs:documentation>Bogie Wheelbase measured in mm</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="99999"/> </xs:restriction> </xs:simpleType> </xs:element>

element **BogieWagonsOnly**

diagram	**BogieWagonsOnly** Indicates that the train consists of bogie wagons only or not. "Yes"/"true" means always all wagons of the train are bogie wagons. Then content of element is "no"/"false" or element isn't used means the train contains of different wagons (not homogeneous only with bogie wagons).
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
used by	element **PlannedTrainTechnicalData**
annotation	documentation Indicates that the train consists of bogie wagons only or not. "Yes"/"true" means always all wagons of the train are bogie wagons. Then content of element is "no"/"false" or element isn't used means the train contains of different wagons (not homogeneous only with bogie wagons).

source

```
<xs:element name="BogieWagonsOnly" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>Indicates that the train consists of bogie wagons only or not. "Yes"/"true" means always all wagons of the train are bogie wagons. Then content of element is "no"/"false" or element isn't used means the train contains of different wagons (not homogeneous only with bogie wagons).</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **BookedLocationDateTime**

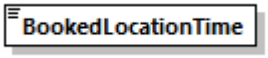
diagram	**BookedLocationDateTime** Scheduled Date and Time of a train at a speciied location as defined in the path contract
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	elements **ChangeOfTrackMessage** **DelayEventForecast** **DelayEventReport** **AffectedSection/EndOfSection** **InterruptionPoint** **JourneySectionDestination** **JourneySectionOrigin** **LocationModified** **AffectedSection/StartOfSection** **TimingAtLocation/Timing** **TrainAtLocation** **TrainLocationReport**
annotation	documentation Scheduled Date and Time of a train at a speciied location as defined in the path contract

source

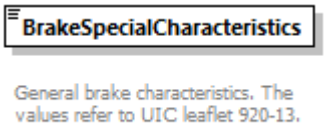
```
<xs:element name="BookedLocationDateTime" type="xs:dateTime">
  <xs:annotation>
    <xs:documentation>Scheduled Date and Time of a train at a speciied location as defined in the path contract</xs:documentation>
  </xs:annotation>
```

	`</xs:element>`

element **BookedLocationTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:time**
properties	content simple
used by	elements **AffectedSection/EndOfSection** **AffectedSection/StartOfSection**
source	`<xs:element name="BookedLocationTime" type="xs:time"/>`

element **BrakeSpecialCharacteristics**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **AirBrake**
facets	Kind / Value / Annotation enumeration 0 documentation Cast Iron Brake Blocks enumeration 1 documentation Disc Brake enumeration 2 documentation K-Brake Blocks enumeration 3 documentation Cast Iron Brake Blocks, single release brake enumeration 4 documentation Composite Brake Blocks, single release brake enumeration 5 documentation L-Brake Blocks enumeration 6 documentation LL-Brake Blocks enumeration 9 documentation Unknown or non-coded information
annotation	documentation General brake characteristics. The values refer to UIC leaflet 920-13.

source	`<xs:element name="BrakeSpecialCharacteristics">`
	`  <xs:annotation>`
	`  <xs:documentation>`

```
General brake characteristics. The values refer to UIC leaflet 920-13.
                    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="0">
        <xs:annotation>
          <xs:documentation>Cast Iron Brake Blocks</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>Disc Brake</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>K-Brake Blocks</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="3">
        <xs:annotation>
          <xs:documentation>Cast Iron Brake Blocks, single release
brake</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="4">
        <xs:annotation>
          <xs:documentation>Composite Brake Blocks, single release
brake</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="5">
        <xs:annotation>
          <xs:documentation>L-Brake Blocks</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="6">
        <xs:annotation>
          <xs:documentation>LL-Brake Blocks</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="9">
        <xs:annotation>
          <xs:documentation>Unknown or non-coded information</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **BrakeType**

diagram	**BrakeType** Type of braking system.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	elements **BrakeUnit** **PassengerTrainData** **PlannedTrainTechnicalData** **RollingStockTechnicalData** **TechnicalParameters** **TrainRunningTechData** **WagonOperationalData**

facets

Kind	Value	Annotation
enumeration	0	documentation G: "Goods" for freight services with slow application and release times
enumeration	1	documentation P: "Passenger" for passenger and freight services with quick application and release times.
enumeration	2	documentation X: an indication that brake system of the freight wagon out of order (actually / current). Additionally, X cannot be used in Planning.
enumeration	3	documentation R: a subdivision brake position of brake mode "P", for rapid (express) services with high brake performances
enumeration	4	documentation G+E: brake position G with additional brake=electro-dynamic brake
enumeration	5	documentation G+H: brake position G with additional brake=hydro-dynamic brake
enumeration	6	documentation P+E: brake position P with additional brake=electro-dynamic brake
enumeration	7	documentation P+H: brake position P with additional brake=hydro-dynamic brake
enumeration	8	documentation P+Mg: brake position P with additional brake=magnetic track brake
enumeration	9	documentation R+E: brake position R with additional brake=electro-dynamic brake
enumeration	10	documentation R+H: brake position R with additional brake=hydro-dynamic brake
enumeration	11	documentation R+Mg: brake position R with additional brake=magnetic track brake
enumeration	12	documentation R+WB: brake position R with additional brake=eddy current brake (German: Wirbelstrombremse)
enumeration	13	documentation R+E+Mg: brake position R with additional brake=electro-dynamic brake and magnetic track brake
enumeration	14	documentation R+E+WB: brake position R with additional brake=electro-dynamic brake and eddy current brake

annotation

documentation
Type of braking system.

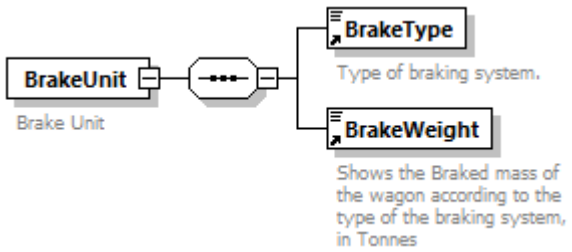
source

```
<xs:element name="BrakeType">
  <xs:annotation>
    <xs:documentation>Type of braking system.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="0">
        <xs:annotation>
```

```
          <xs:documentation>G: "Goods" for freight services with slow application
and release times</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>P: "Passenger" for passenger and freight services with
quick application and release times.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>X: an indication that brake system of the freight wagon
out of order (actually / current). Additionally, X cannot be used in
Planning.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="3">
        <xs:annotation>
          <xs:documentation>R: a subdivision brake position of brake mode "P", for
rapid (express) services with high brake performances</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="4">
        <xs:annotation>
          <xs:documentation>G+E: brake position G with additional
brake=electro-dynamic brake</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="5">
        <xs:annotation>
          <xs:documentation>G+H: brake position G with additional
brake=hydro-dynamic brake</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="6">
        <xs:annotation>
          <xs:documentation>P+E: brake position P with additional
brake=electro-dynamic brake</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="7">
        <xs:annotation>
          <xs:documentation>P+H: brake position P with additional
brake=hydro-dynamic brake</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="8">
        <xs:annotation>
          <xs:documentation>P+Mg: brake position P with additional brake=magnetic
track brake</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="9">
        <xs:annotation>
```

```
          <xs:documentation>R+E: brake position R with additional
brake=electro-dynamic brake</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="10">
        <xs:annotation>
          <xs:documentation>R+H: brake position R with additional
brake=hydro-dynamic brake</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="11">
        <xs:annotation>
          <xs:documentation>R+Mg: brake position R with additional brake=magnetic
track brake</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="12">
        <xs:annotation>
          <xs:documentation>R+WB: brake position R with additional brake=eddy
current brake (German: Wirbelstrombremse)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="13">
        <xs:annotation>
          <xs:documentation>R+E+Mg: brake position R with additional
brake=electro-dynamic brake and magnetic track brake</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="14">
        <xs:annotation>
          <xs:documentation>R+E+WB: brake position R with additional
brake=electro-dynamic brake and eddy current brake</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

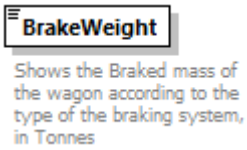
element **BrakeUnit**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**BrakeType** **BrakeWeight**

used by	element **UnitTechnicalData**
annotation	documentation Brake Unit
source	

```
<xs:element name="BrakeUnit">
  <xs:annotation>
    <xs:documentation>Brake Unit</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="BrakeType"/>
      <xs:element ref="BrakeWeight"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **BrakeWeight**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	content simple
used by	elements **BrakeUnit** **PassengerTrainData** **PlannedTrainTechnicalData** **RollingStockTechnicalData** **Traction** **TrainRunningTechData** **WagonOperationalData**
facets	Kind Value Annotation minInclusive 0 maxInclusive 99999
annotation	documentation Shows the Braked mass of the wagon according to the type of the braking system, in Tonnes
source	

```
<xs:element name="BrakeWeight">
  <xs:annotation>
    <xs:documentation>Shows the Braked mass of the wagon according to the type of
the braking system, in Tonnes</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:int">
      <xs:minInclusive value="0"/>
      <xs:maxInclusive value="99999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **BrakingPowerVariationDevice**

diagram	**BrakingPowerVariationDevice** Coding in 404-2, chapter 1.8
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	elements **AirBrake** **UnitTechnicalData** **WagonTechData**

facets

Kind	Value	Annotation
enumeration	0	documentation no braked weight variation device
enumeration	1	documentation empty/loaded manual or automatic device with one changeover weight
enumeration	2	documentation empty/loaded manual or automatic device with two or three changeover weights
enumeration	8	documentation linear auto continuous device with indication of maximum braked weight
enumeration	9	documentation non-codable variation device

annotation

documentation
Coding in 404-2, chapter 1.8

source

```
<xs:element name="BrakingPowerVariationDevice">
  <xs:annotation>
    <xs:documentation>Coding in 404-2, chapter 1.8</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:enumeration value="0">
        <xs:annotation>
          <xs:documentation>no braked weight variation device</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>empty/loaded manual or automatic device with one
changeover weight</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>empty/loaded manual or automatic device with two or
three changeover weights</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="8">
        <xs:annotation>
          <xs:documentation>linear auto continuous device with indication of
maximum braked weight</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="9">
        <xs:annotation>
```

```
          <xs:documentation>non-codable variation device</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **BrakingRatio**

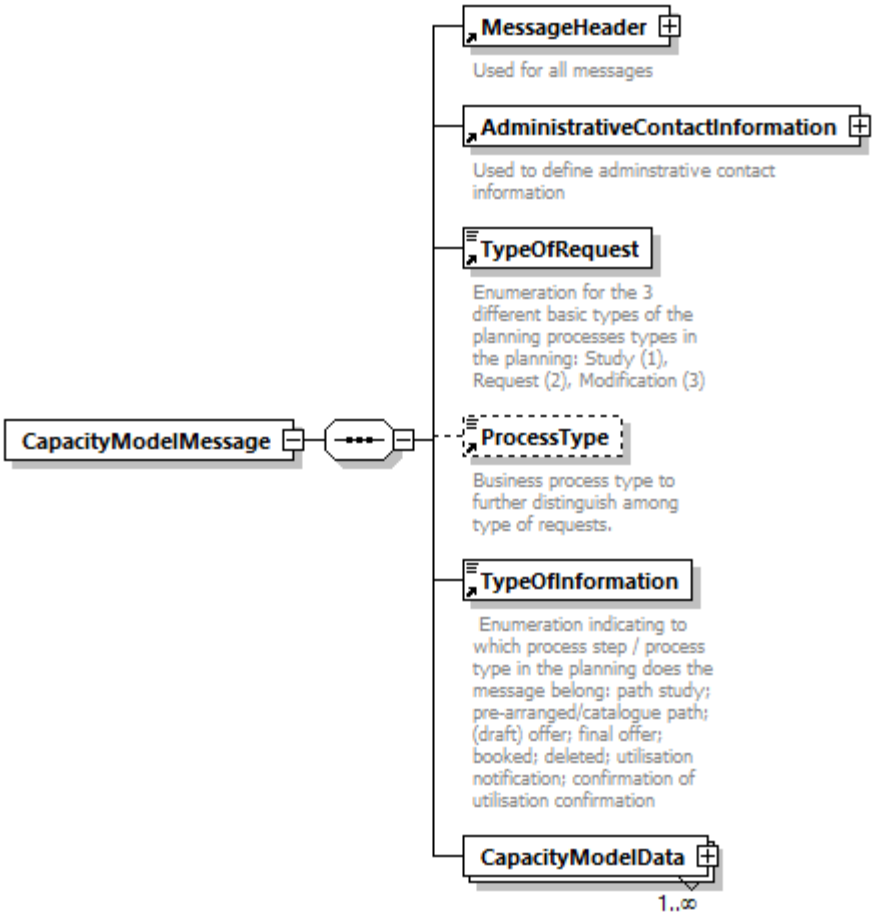
diagram	**BrakingRatio** Minimum percentage of braking. Expressed as an integer value (no percent sign should be added).
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	elements **PassengerTrainData** **PlannedTrainTechnicalData** **TechnicalParameters** **TrainRunningTechData**
facets	Kind Value Annotation minInclusive 1 maxInclusive 999
annotation	documentation Minimum percentage of braking. Expressed as an integer value (no percent sign should be added).

source

```
<xs:element name="BrakingRatio">
  <xs:annotation>
    <xs:documentation>Minimum percentage of braking. Expressed as an integer value
(no percent sign should be added).</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:maxInclusive value="999"/>
      <xs:minInclusive value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **CapacityModelMessage**

diagram



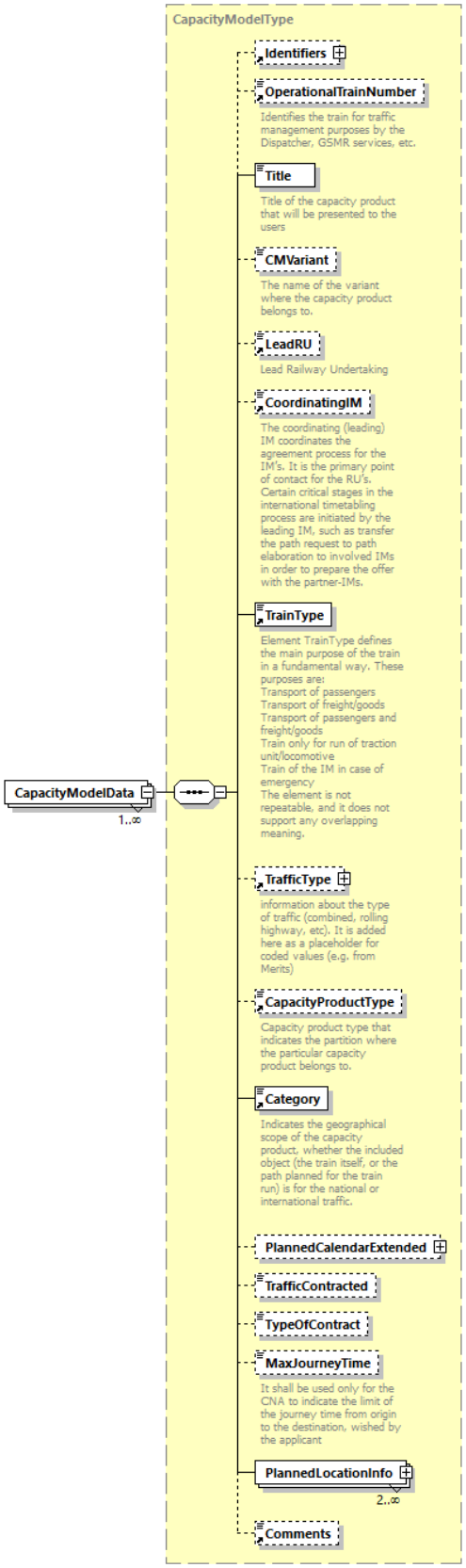
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **AdministrativeContactInformation** **TypeOfRequest** **ProcessType** **TypeOfInformation** **CapacityModelData**

source

```
<xs:element name="CapacityModelMessage">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="AdministrativeContactInformation"/>
      <xs:element ref="TypeOfRequest"/>
      <xs:element ref="ProcessType" minOccurs="0"/>
      <xs:element ref="TypeOfInformation"/>
      <xs:element name="CapacityModelData" type="CapacityModelType"
maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

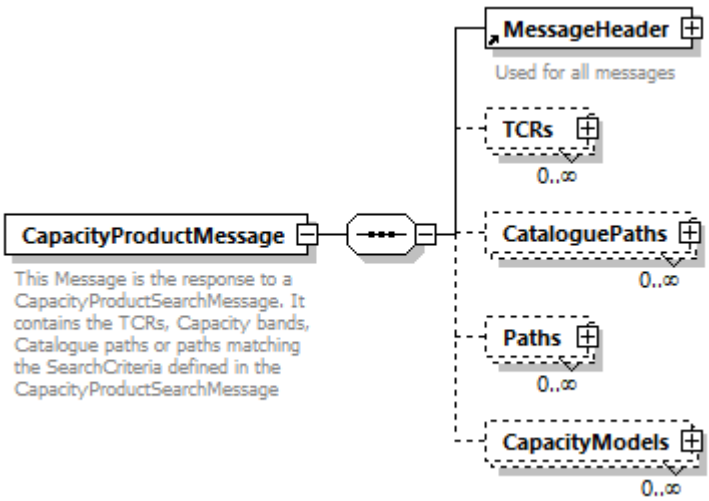
element **CapacityModelMessage/CapacityModelData**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CapacityModelType**
properties	minOcc 1 maxOcc unbounded content complex
children	**Identifiers** **OperationalTrainNumber** **Title** **CMVariant** **LeadRU** **CoordinatingIM** **TrainType** **TrafficType** **CapacityProductType** **Category** **PlannedCalendarExtended** **TrafficContracted** **TypeOfContract** **MaxJourneyTime** **PlannedLocationInfo** **Comments**
source	`<xs:element name="CapacityModelData" type="CapacityModelType" maxOccurs="unbounded"/>`

element **CapacityProductMessage**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **TCRs** **CataloguePaths** **Paths** **CapacityModels**
annotation	documentation This Message is the response to a CapacityProductSearchMessage. It contains the TCRs, Capacity bands, Catalogue paths or paths matching the SearchCriteria defined in the CapacityProductSearchMessage

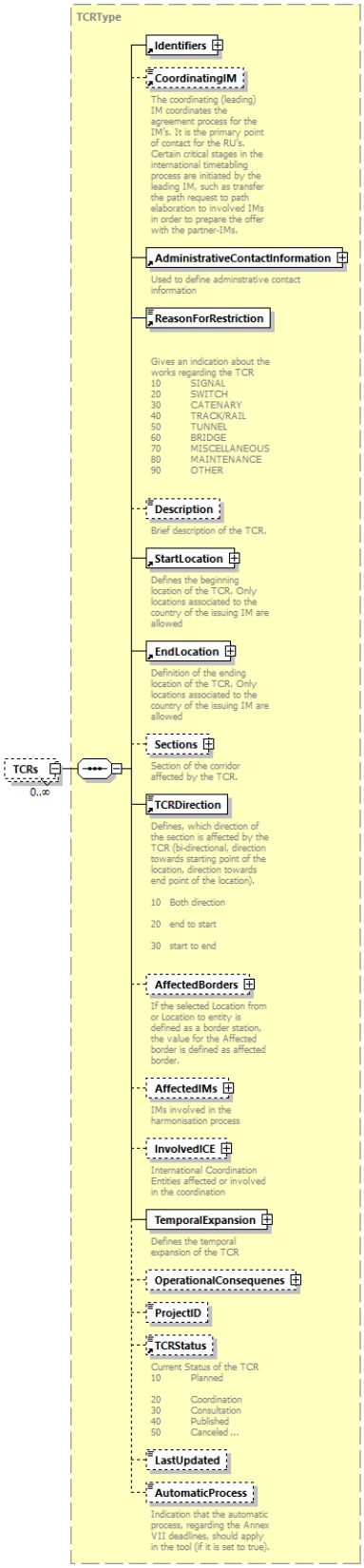
source

```
<xs:element name="CapacityProductMessage">
  <xs:annotation>
    <xs:documentation>This Message is the response to a
CapacityProductSearchMessage. It contains the TCRs, Capacity bands, Catalogue paths
or paths matching the SearchCriteria defined in the
CapacityProductSearchMessage</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element name="TCRs" type="TCRType" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element name="CataloguePaths" type="PathType" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="Paths" type="PathType" minOccurs="0"
```

```
maxOccurs="unbounded"/>
      <xs:element name="CapacityModels" type="CapacityModelType" minOccurs="0"
maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

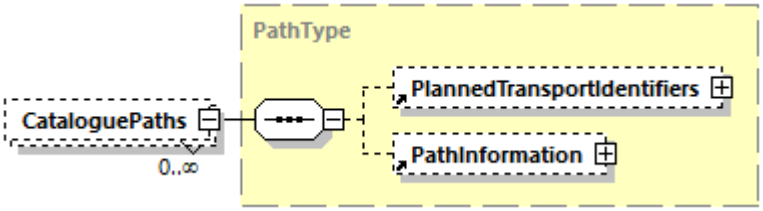
element **CapacityProductMessage/TCRs**

diagram

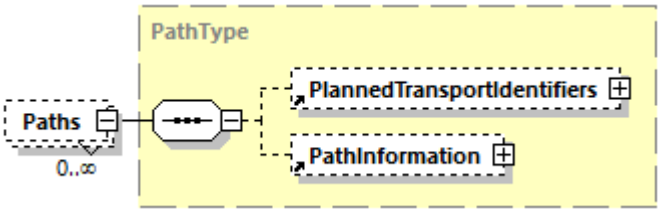


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**TCRType**
properties	minOcc 0 maxOcc unbounded content complex
children	**Identifiers** **CoordinatingIM** **AdministrativeContactInformation** **ReasonForRestriction** **Description** **StartLocation** **EndLocation** **Sections** **TCRDirection** **AffectedBorders** **AffectedIMs** **InvolvedICE** **TemporalExpansion** **OperationalConsequenes** **ProjectID** **TCRStatus** **LastUpdated** **AutomaticProcess**
source	`<xs:element name="TCRs" type="TCRType" minOccurs="0" maxOccurs="unbounded"/>`

element **CapacityProductMessage/CataloguePaths**

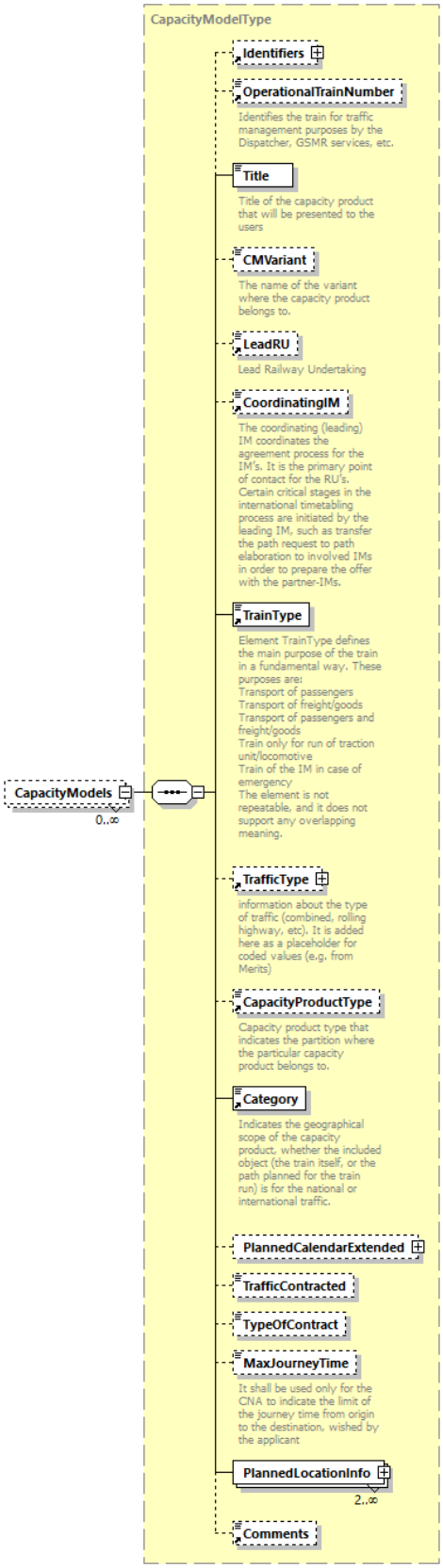
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**PathType**
properties	minOcc 0 maxOcc unbounded content complex
children	**PlannedTransportIdentifiers** **PathInformation**
source	`<xs:element name="CataloguePaths" type="PathType" minOccurs="0" maxOccurs="unbounded"/>`

element **CapacityProductMessage/Paths**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**PathType**
properties	minOcc 0 maxOcc unbounded content complex
children	**PlannedTransportIdentifiers** **PathInformation**
source	`<xs:element name="Paths" type="PathType" minOccurs="0" maxOccurs="unbounded"/>`

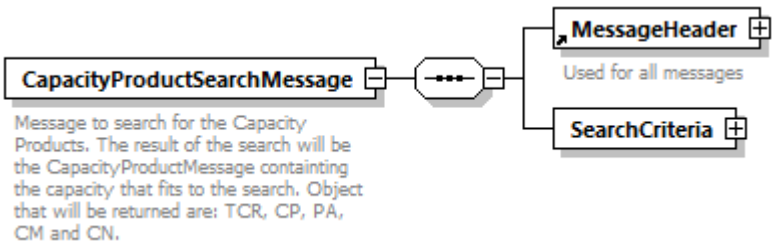
element **CapacityProductMessage/CapacityModels**

diagram



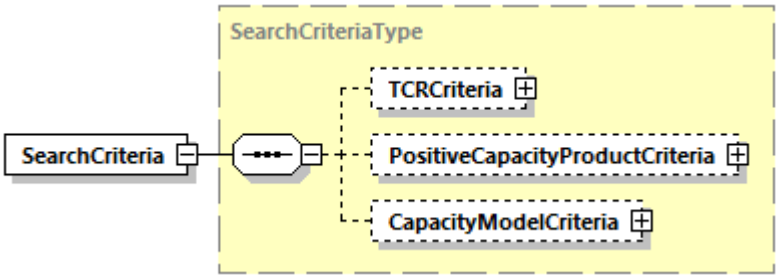
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CapacityModelType**
properties	minOcc 0 maxOcc unbounded content complex
children	**Identifiers** **OperationalTrainNumber** **Title** **CMVariant** **LeadRU** **CoordinatingIM** **TrainType** **TrafficType** **CapacityProductType** **Category** **PlannedCalendarExtended** **TrafficContracted** **TypeOfContract** **MaxJourneyTime** **PlannedLocationInfo** **Comments**
source	`<xs:element name="CapacityModels" type="CapacityModelType" minOccurs="0" maxOccurs="unbounded"/>`

element **CapacityProductSearchMessage**

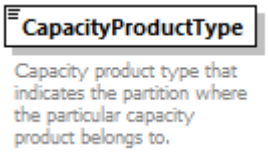
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **SearchCriteria**
annotation	documentation Message to search for the Capacity Products. The result of the search will be the CapacityProductMessage containting the capacity that fits to the search. Object that will be returned are: TCR, CP, PA, CM and CN.

source	`<xs:element name="CapacityProductSearchMessage">`
	`  <xs:annotation>`
	`  <xs:documentation>Message to search for the Capacity Products. The result of the search will be the CapacityProductMessage containting the capacity that fits to the search. Object that will be returned are: TCR, CP, PA, CM and CN.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="MessageHeader"/>`
	`  <xs:element name="SearchCriteria" type="SearchCriteriaType"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **CapacityProductSearchMessage/SearchCriteria**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**SearchCriteriaType**
properties	content complex
children	**TCRCriteria** **PositiveCapacityProductCriteria** **CapacityModelCriteria**
source	`<xs:element name="SearchCriteria" type="SearchCriteriaType"/>`

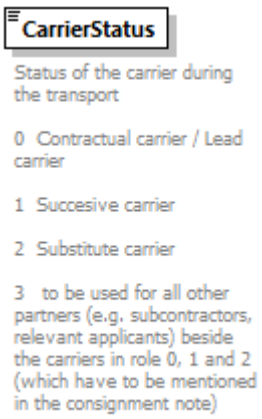
element **CapacityProductType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	complexType **CapacityModelType**
facets	Kind / Value / Annotation enumeration 0 documentation Annual timetable - Partition of capacity products related to the annual timetable enumeration 1 documentation Rollig Planning - Partition of capacity products related to the rolling planning enumeration 2 documentation Ad hoc - Partition of capacity products related to the ad-hoc enumeration 3 documentation TCR - Partition of capacity products related to the TCR
annotation	documentation Capacity product type that indicates the partition where the particular capacity product belongs to.

source	`<xs:element name="CapacityProductType">`
	`  <xs:annotation>`
	`  <xs:documentation>Capacity product type that indicates the partition where the particular capacity product belongs to.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:token">`
	`  <xs:enumeration value="0">`
	`  <xs:annotation>`

```
          <xs:documentation>Annual timetable - Partition of capacity products
related to the annual timetable</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>Rollig Planning - Partition of capacity products
related to the rolling planning</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>Ad hoc - Partition of capacity products related to the
ad-hoc</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="3">
        <xs:annotation>
          <xs:documentation>TCR - Partition of capacity products related to the
TCR</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **CarrierStatus**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	elements **WagonStatusMessages/WagonStatusMessage/CarriersInvolved/Carrier** **ConsignmentOrderMessage/COMS/COM/Carriers**
facets	Kind / Value / Annotation enumeration 0 documentation 0: Contractual carrier enumeration 1 documentation 1: Successive carrier

	enumeration 2 documentation 2: Substitute carrier enumeration 3 documentation 3: to be used for all other partners (e.g. subcontractors, relevant applicants) beside the carriers in role 0, 1 and 2 (which have to be mentioned in the consignment note)
annotation	documentation Status of the carrier during the transport 0 Contractual carrier / Lead carrier 1 Succesive carrier 2 Substitute carrier 3 to be used for all other partners (e.g. subcontractors, relevant applicants) beside the carriers in role 0, 1 and 2 (which have to be mentioned in the consignment note)
source	

```
<xs:element name="CarrierStatus">
  <xs:annotation>
    <xs:documentation>Status of the carrier during the transport
                      0  Contractual carrier / Lead carrier
                      1  Succesive carrier
                      2  Substitute carrier
                      3   to be used for all other partners (e.g. subcontractors,
relevant applicants) beside the carriers in role 0, 1 and 2 (which have to be mentioned
in the consignment note)</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="0">
        <xs:annotation>
          <xs:documentation>0: Contractual carrier</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>1: Successive carrier</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>2: Substitute carrier</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="3">
        <xs:annotation>
          <xs:documentation>3:  to be used for all other partners (e.g.
subcontractors, relevant applicants) beside the carriers in role 0, 1 and 2 (which
have to be mentioned in the consignment note)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Category**

diagram	**Category** Indicates the geographical scope of the capacity product, whether the included object (the train itself, or the path planned for the train run) is for the national or international traffic.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **CapacityModelSearchCriteria/CategorySearch** complexType **CapacityModelType**
facets	Kind / Value / Annotation enumeration 0 documentation National - Capacity product related to national traffic enumeration 1 documentation International - Capacity product related to international traffic
annotation	documentation Indicates the geographical scope of the capacity product, whether the included object (the train itself, or the path planned for the train run) is for the national or international traffic.

source

```
<xs:element name="Category">
  <xs:annotation>
    <xs:documentation>Indicates the geographical scope of the capacity product,
whether the included object (the train itself, or the path planned for the train run)
is for the national or international traffic.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="0">
        <xs:annotation>
          <xs:documentation>National - Capacity product related to national
traffic</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>International - Capacity product related to
international traffic</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **CauseDescription**

diagram	CauseDescription Describes the cause of sending message
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
used by	element **WagonRefusedAtInterchangeMessage**
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Describes the cause of sending message

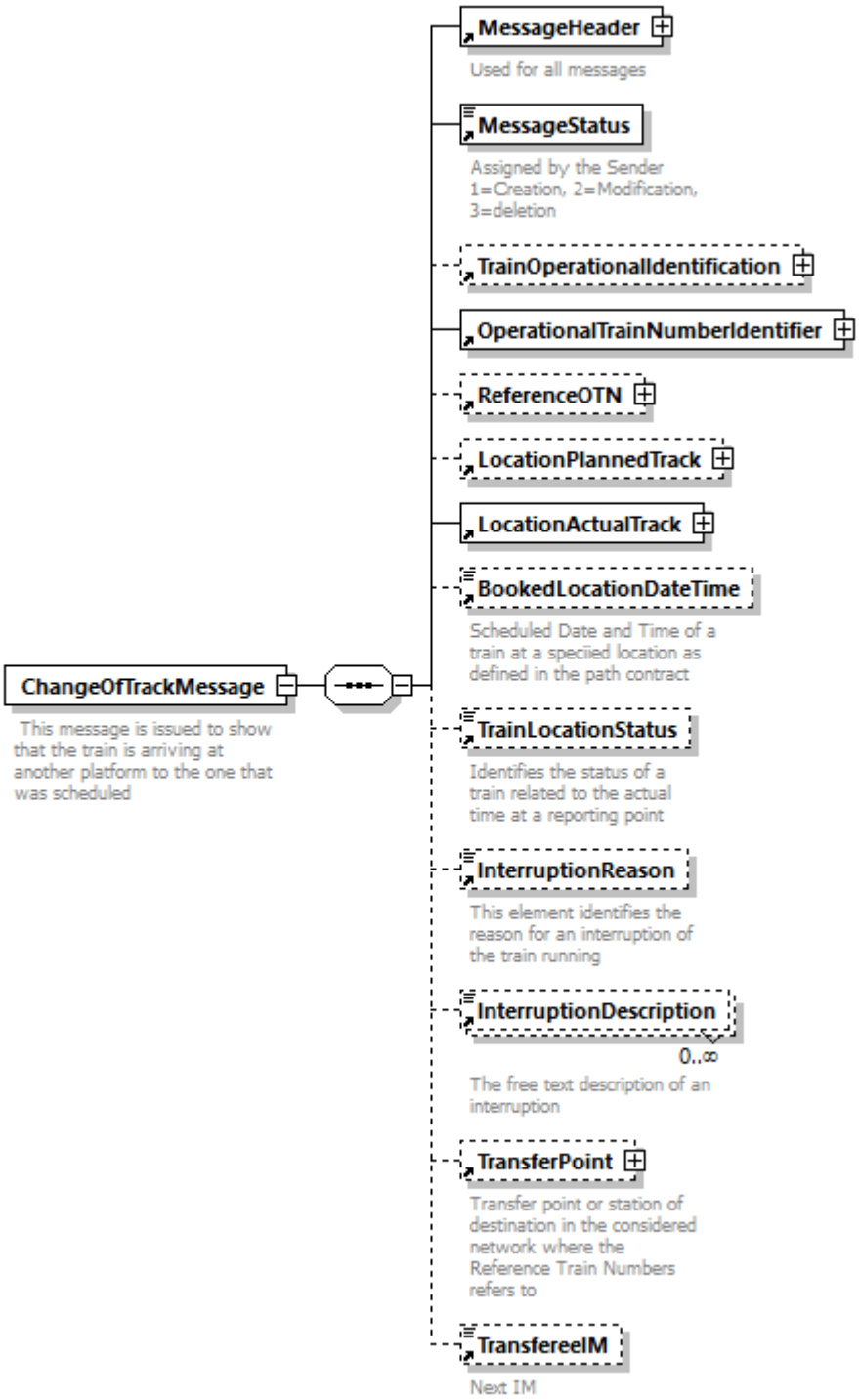
source	`<xs:element name="CauseDescription" type="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>Describes the cause of sending message</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **CauseType**

diagram	CauseType Indicates the cause of a damage or refusal of a wagon or train
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CauseCode**
properties	content simple
used by	element **WagonRefusedAtInterchangeMessage**
facets	Kind Value Annotation minInclusive 0001 maxInclusive 9999
annotation	documentation Indicates the cause of a damage or refusal of a wagon or train

source	`<xs:element name="CauseType" type="CauseCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Indicates the cause of a damage or refusal of a wagon or train</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ChangeOfTrackMessage**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **MessageStatus** **TrainOperationalIdentification** **OperationalTrainNumberIdentifier** **ReferenceOTN** **LocationPlannedTrack** **LocationActualTrack** **BookedLocationDateTime** **TrainLocationStatus** **InterruptionReason** **InterruptionDescription** **TransferPoint** **TransfereeIM**

annotation	documentation This message is issued to show that the train is arriving at another platform to the one that was scheduled

source

```
<xs:element name="ChangeOfTrackMessage">
  <xs:annotation>
    <xs:documentation> This message is issued to show that the train is arriving at
another platform to the one that was scheduled</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="MessageStatus">
        <xs:annotation>
          <xs:documentation>Assigned by the Sender 1=Creation, 2=Modification,
3=deletion </xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="TrainOperationalIdentification" minOccurs="0"/>
      <xs:element ref="OperationalTrainNumberIdentifier"/>
      <xs:element ref="ReferenceOTN" minOccurs="0"/>
      <xs:element ref="LocationPlannedTrack" minOccurs="0"/>
      <xs:element ref="LocationActualTrack"/>
      <xs:element ref="BookedLocationDateTime" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Scheduled Date and Time of a train at a speciied location
as defined in the path contract</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="TrainLocationStatus" minOccurs="0"/>
      <xs:element ref="InterruptionReason" minOccurs="0"/>
      <xs:element ref="InterruptionDescription" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element ref="TransferPoint" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Transfer point or station of destination in the
considered network where the Reference Train Numbers refers to </xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="TransfereeIM" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **CharacteristicDescriptionCode**

diagram	**CharacteristicDescriptionCode** Characteristics on a Train according to TAP Code List B.4.7037: type7037CodeList
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple

used by	elements	**TypeofService** **UnitData**	
facets	Kind	Value	Annotation
	maxLength	17	
	enumeration	6	documentation First class documentation First class accommodation documentation 0
	enumeration	7	documentation Second class documentation Second class accommodation documentation 0
	enumeration	11	documentation Reservation possible documentation Reservation is possible documentation 0
	enumeration	12	documentation With supplement documentation A supplement is charged documentation 0
	enumeration	13	documentation Reservation compulsory documentation Reservation is compulsory documentation 0
	enumeration	14	documentation Reservation advised documentation Reservation is recommended documentation 0
	enumeration	15	documentation Reservation compulsory for parties documentation Reservation is compulsory for parties documentation 0
	enumeration	16	documentation Reservation compulsory in first-class documentation Reservation is compulsory in first-class documentation 0
	enumeration	17	documentation Group booking restricted documentation Booking by groups restricted documentation 0
	enumeration	18	documentation Groups not allowed

			documentation Groups of travellers are not allowed documentation 0
	enumeration	19	documentation No reservation documentation Reservation is not possible documentation 0
	enumeration	20	documentation Reservation in first class only documentation Reservation is only possible in first documentation 0
	enumeration	21	documentation Reservation compulsory from origin station documentation Reservation compulsory from origin station documentation 0
	enumeration	22	documentation Reservation allowed for certain classes/products documentation Reservation possible for some booking classes/products documentation 0
	enumeration	23	documentation Reservation in second class only documentation Reservation is only possible in second class. documentation 0
	enumeration	24	documentation Not available documentation The product is not available documentation 0
	enumeration	25	documentation Non-bookable documentation The product is not bookable documentation 0
	enumeration	26	documentation Bookable through an international reservation system documentation Bookable through an international reservation system documentation 0
	enumeration	27	documentation Bookable through a national reservation system documentation Bookable through a national reservation system documentation 0
	enumeration	28	documentation Bookable manually on the RU selling point

	documentation Bookable manually on the RU selling point documentation 0
annotation	documentation Characteristics on a Train according to TAP Code List B.4.7037: type7037CodeList
source	

```xml
<xs:element name="CharacteristicDescriptionCode">
  <xs:annotation>
    <xs:documentation>Characteristics on a Train according to TAP Code List
B.4.7037: type7037CodeList</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:annotation>
      <xs:documentation xml:lang="en">Code list for the chracteristic description
code (B.4.7037)</xs:documentation>
      <xs:appinfo>
        <dc:title>Code list for the chracteristic description code</dc:title>
        <dc:source>B.4.7037</dc:source>
      </xs:appinfo>
    </xs:annotation>
    <xs:restriction base="xs:string">
      <xs:maxLength value="17"/>
      <xs:enumeration value="6">
        <xs:annotation>
          <xs:documentation xml:lang="en">First class</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">First class
accommodation</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="7">
        <xs:annotation>
          <xs:documentation xml:lang="en">Second class</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Second class
accommodation</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="11">
        <xs:annotation>
          <xs:documentation xml:lang="en">Reservation possible</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Reservation
is possible</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="12">
        <xs:annotation>
          <xs:documentation xml:lang="en">With supplement</xs:documentation>
```

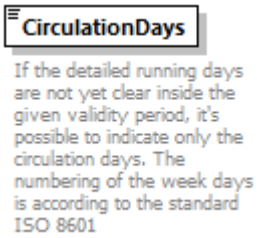
```
          <xs:documentation xml:lang="en" doc:docType="Description">A supplement
is charged</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="13">
        <xs:annotation>
          <xs:documentation xml:lang="en">Reservation
compulsory</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Reservation
is compulsory</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="14">
        <xs:annotation>
          <xs:documentation xml:lang="en">Reservation advised</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Reservation
is recommended</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="15">
        <xs:annotation>
          <xs:documentation xml:lang="en">Reservation compulsory for
parties</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Reservation
is compulsory for parties</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="16">
        <xs:annotation>
          <xs:documentation xml:lang="en">Reservation compulsory in
first-class</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Reservation
is compulsory in first-class</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="17">
        <xs:annotation>
          <xs:documentation xml:lang="en">Group booking
restricted</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Booking by
```

```
groups restricted</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="18">
        <xs:annotation>
          <xs:documentation xml:lang="en">Groups not allowed</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Groups of
travellers are not allowed</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="19">
        <xs:annotation>
          <xs:documentation xml:lang="en">No reservation</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Reservation
is not possible</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="20">
        <xs:annotation>
          <xs:documentation xml:lang="en">Reservation in first class
only</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Reservation
is only possible in first </xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="21">
        <xs:annotation>
          <xs:documentation xml:lang="en">Reservation compulsory from origin
station</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Reservation
compulsory from origin station</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="22">
        <xs:annotation>
          <xs:documentation xml:lang="en">Reservation allowed for certain
classes/products</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Reservation
possible for some booking classes/products</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
```

```
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="23">
        <xs:annotation>
          <xs:documentation xml:lang="en">Reservation in second class
only</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Reservation
is only possible in second class.</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="24">
        <xs:annotation>
          <xs:documentation xml:lang="en">Not available</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">The product is
not available</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="25">
        <xs:annotation>
          <xs:documentation xml:lang="en">Non-bookable</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">The product is
not bookable</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="26">
        <xs:annotation>
          <xs:documentation xml:lang="en">Bookable through an international
reservation system</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Bookable
through an international reservation system</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="27">
        <xs:annotation>
          <xs:documentation xml:lang="en">Bookable through a national reservation
system</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Bookable
through a national reservation system</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
```

```
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="28">
        <xs:annotation>
          <xs:documentation xml:lang="en">Bookable manually on the RU selling
point</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Bookable
manually on the RU selling point</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **CirculationDays**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	complexType **PlannedCalendarExtendedType**
facets	Kind / Value / Annotation minLength 7 maxLength 7 whiteSpace collapse pattern [0-1]{7}
annotation	documentation If the detailed running days are not yet clear inside the given validity period, it's possible to indicate only the circulation days. The numbering of the week days is according to the standard ISO 8601

source

```
<xs:element name="CirculationDays">
  <xs:annotation>
    <xs:documentation>If the detailed running days are not yet clear inside the given
validity period, it's possible to indicate only the circulation days. The numbering
of the week days is according to the standard ISO 8601</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="7"/>
      <xs:maxLength value="7"/>
      <xs:whiteSpace value="collapse"/>
```

```
      <xs:pattern value="[0-1]{7}"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **CityTown**

diagram	CityTown Name of the City or Town in Clear Text
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Name of the City or Town in Clear Text

source

```
<xs:element name="CityTown">
  <xs:annotation>
    <xs:documentation>Name of the City or Town in Clear Text</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="35"/>
      <xs:minLength value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ClosingTime**

diagram	ClosingTime The closing Date and Time of the port for the delivery of the shipment by rail to a vessel.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	element **VesselIndication**
annotation	documentation The closing Date and Time of the port for the delivery of the shipment by rail to a vessel.

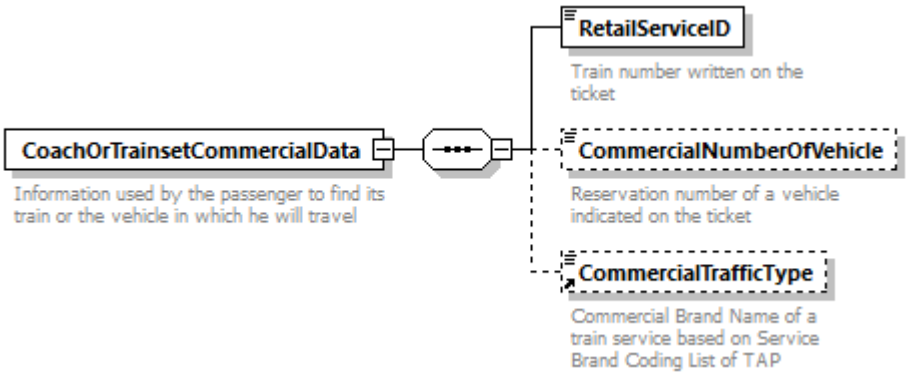
source

```
<xs:element name="ClosingTime" type="xs:dateTime">
  <xs:annotation>
    <xs:documentation>The closing Date and Time of the port for the delivery of the
```

```
shipment by rail to a vessel.</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **CoachOrTrainsetCommercialData**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**RetailServiceID** **CommercialNumberOfVehicle** **CommercialTrafficType**
used by	element **TrainOrCoachGroupComposition/Unit**
annotation	documentation Information used by the passenger to find its train or the vehicle in which he will travel

source

```
<xs:element name="CoachOrTrainsetCommercialData">
  <xs:annotation>
    <xs:documentation>Information used by the passenger to find its train or the
vehicle in which he will travel</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="RetailServiceID">
        <xs:annotation>
          <xs:documentation>Train number written on the ticket</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="6"/>
            <xs:pattern value=""/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="CommercialNumberOfVehicle" type="xs:string"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>Reservation number of a vehicle indicated on the
ticket</xs:documentation>
        </xs:annotation>
      </xs:element>
```

```
      <xs:element ref="CommercialTrafficType" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **CoachOrTrainsetCommercialData/RetailServiceID**

diagram	RetailServiceID Train number written on the ticket
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	elements **Association** **UnitCommercialData**
facets	Kind Value Annotation minLength 1 maxLength 6 pattern
annotation	documentation Train number written on the ticket

source

```
<xs:element name="RetailServiceID">
  <xs:annotation>
    <xs:documentation>Train number written on the ticket</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="6"/>
      <xs:pattern value=""/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **CoachOrTrainsetCommercialData/CommercialNumberOfVehicle**

diagram	CommercialNumberOfVehicle Reservation number of a vehicle indicated on the ticket
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Reservation number of a vehicle indicated on the ticket

source	`<xs:element name="CommercialNumberOfVehicle" type="xs:string" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Reservation number of a vehicle indicated on the ticket</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **Coasting**

diagram	**Coasting** IM indicates to the RU whether the driver can rely on coasting. This is of both economic and ecological interest, as in many parts of the journey the trains may have enough inertia to be able to match the calculated time of the next location relying on coasting only.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
used by	element **PlannedTrainTechnicalData**
annotation	documentation IM indicates to the RU whether the driver can rely on coasting. This is of both economic and ecological interest, as in many parts of the journey the trains may have enough inertia to be able to match the calculated time of the next location relying on coasting only.
source	`<xs:element name="Coasting" type="xs:boolean">` `  <xs:annotation>` ` <xs:documentation>IM indicates to the RU whether the driver can rely on coasting. This is of both economic and ecological interest, as in many parts of the journey the trains may have enough inertia to be able to match the calculated time of the next location relying on coasting only.</xs:documentation>` ` </xs:annotation>` `</xs:element>`

element **CodeOfCause**

diagram	**CodeOfCause** Code of reason for extension
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **ConsignmentOrderMessage/COMS/COM/TransitPeriodExtensions**
facets	Kind Value Annotation enumeration 1 documentation

			Completion of formalities required by customs or other administrative authorities (CIM Article 15)
	enumeration	2	documentation Examination of the consignment (CIM Article11)
	enumeration	3	documentation Amendment of the contract of carriage (CIM Article 18)
	enumeration	4	documentation Circumstances preventing carriage (CIM Article 20)
	enumeration	5	documentation Circumstances preventing delivery (CIM Article21)
	enumeration	6	documentation Attention to be given to the consignment
	enumeration	7	documentation Rectification of the load following unsatisfactory loading by the consignor
	enumeration	8	documentation Transhipment following unsatisfactory loading by the consignor
	enumeration	9	documentation Other causes: ...
annotation	documentation Code of reason for extension		

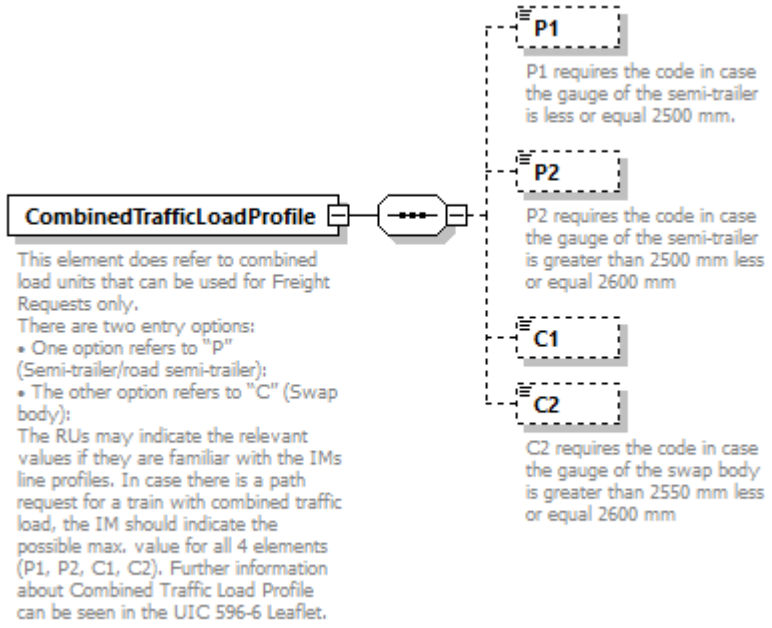
source

```
<xs:element name="CodeOfCause">
  <xs:annotation>
    <xs:documentation>Code of reason for extension</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>Completion of formalities required by customs or other
administrative authorities (CIM Article 15)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>Examination of the consignment (CIM
Article11)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="3">
        <xs:annotation>
          <xs:documentation>Amendment of the contract of carriage (CIM Article
18)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="4">
        <xs:annotation>
          <xs:documentation>Circumstances preventing carriage (CIM Article
20)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="5">
        <xs:annotation>
          <xs:documentation>Circumstances preventing delivery (CIM
Article21)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
```

```
      <xs:enumeration value="6">
        <xs:annotation>
          <xs:documentation>Attention to be given to the
consignment</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="7">
        <xs:annotation>
          <xs:documentation>Rectification of the load following unsatisfactory
loading by the consignor</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="8">
        <xs:annotation>
          <xs:documentation>Transhipment following unsatisfactory loading by the
consignor</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="9">
        <xs:annotation>
          <xs:documentation>Other causes: ...</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **CombinedTrafficLoadProfile**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex

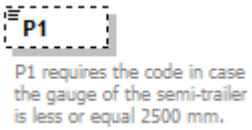
children	**P1** **P2** **C1** **C2**
used by	elements **GeneralParameters** **PlannedTrainData**
annotation	documentation This element does refer to combined load units that can be used for Freight Requests only. There are two entry options: • One option refers to “P” (Semi-trailer/road semi-trailer): • The other option refers to “C” (Swap body): The RUs may indicate the relevant values if they are familiar with the IMs line profiles. In case there is a path request for a train with combined traffic load, the IM should indicate the possible max. value for all 4 elements (P1, P2, C1, C2). Further information about Combined Traffic Load Profile can be seen in the UIC 596-6 Leaflet.

source

```
<xs:element name="CombinedTrafficLoadProfile">
  <xs:annotation>
    <xs:documentation>This element does refer to combined load units that can be used
for Freight Requests only.
There are two entry options:
• One option refers to “P” (Semi-trailer/road semi-trailer):
• The other option refers to “C” (Swap body):
The RUs may indicate the relevant values if they are familiar with the IMs line
profiles. In case there is a path request for a train with combined traffic load,
the IM should indicate the possible max. value for all 4 elements (P1, P2, C1, C2).
Further information about Combined Traffic Load Profile can be seen in the UIC 596-6
Leaflet.
</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="P1" minOccurs="0">
        <xs:annotation>
          <xs:documentation>P1 requires the code in case the gauge of the
semi-trailer is less or equal 2500 mm.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:pattern value="\d{3}"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="P2" minOccurs="0">
        <xs:annotation>
          <xs:documentation>P2 requires the code in case the gauge of the
semi-trailer is greater than 2500 mm less or equal 2600 mm</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:pattern value="\d{3}"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="C1" minOccurs="0">
        <xs:simpleType>
          <xs:annotation>
            <xs:documentation>C1 requires the code in case the gauge of the swap body
is less or equal 2550 mm.</xs:documentation>
```

```
          </xs:annotation>
          <xs:restriction base="xs:string">
            <xs:pattern value="\d{3}"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="C2" minOccurs="0">
        <xs:annotation>
          <xs:documentation>C2 requires the code in case the gauge of the swap body
is greater than 2550 mm less or equal 2600 mm</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:pattern value="\d{3}"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

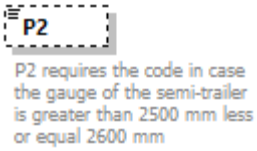
element **CombinedTrafficLoadProfile/P1**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation pattern \d{3}
annotation	documentation P1 requires the code in case the gauge of the semi-trailer is less or equal 2500 mm.

source

```
<xs:element name="P1" minOccurs="0">
  <xs:annotation>
    <xs:documentation>P1 requires the code in case the gauge of the semi-trailer is
less or equal 2500 mm.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:pattern value="\d{3}"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

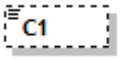
element **CombinedTrafficLoadProfile/P2**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation pattern \d{3}
annotation	documentation P2 requires the code in case the gauge of the semi-trailer is greater than 2500 mm less or equal 2600 mm

source

```
<xs:element name="P2" minOccurs="0">
  <xs:annotation>
    <xs:documentation>P2 requires the code in case the gauge of the semi-trailer is
greater than 2500 mm less or equal 2600 mm</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:pattern value="\d{3}"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **CombinedTrafficLoadProfile/C1**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation pattern \d{3}

source

```
<xs:element name="C1" minOccurs="0">
  <xs:simpleType>
    <xs:annotation>
      <xs:documentation>C1 requires the code in case the gauge of the swap body is
less or equal 2550 mm.</xs:documentation>
    </xs:annotation>
    <xs:restriction base="xs:string">
      <xs:pattern value="\d{3}"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **CombinedTrafficLoadProfile/C2**

diagram	C2 C2 requires the code in case the gauge of the swap body is greater than 2550 mm less or equal 2600 mm
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation pattern \d{3}
annotation	documentation C2 requires the code in case the gauge of the swap body is greater than 2550 mm less or equal 2600 mm

source	`<xs:element name="C2" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>C2 requires the code in case the gauge of the swap body is greater than 2550 mm less or equal 2600 mm</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:pattern value="\d{3}"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ComesFromContinuesInIndicator**

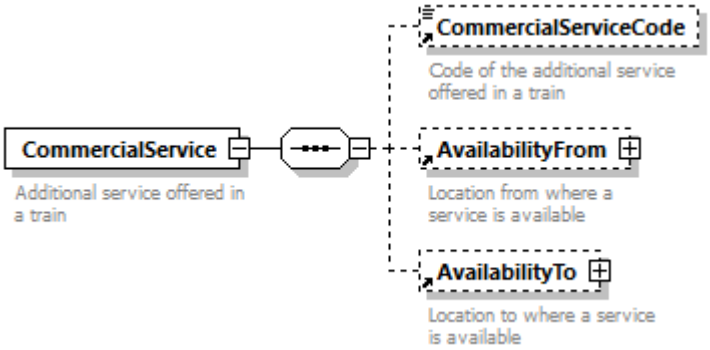
diagram	ComesFromContinuesInIndicator Indicates if the rolling stock comes from a train or continues in another train
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
used by	element **Association**
annotation	documentation Indicates if the rolling stock comes from a train or continues in another train

source	`<xs:element name="ComesFromContinuesInIndicator" type="xs:boolean">`
	`  <xs:annotation>`
	`  <xs:documentation>Indicates if the rolling stock comes from a train or continues in another train</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **Comments**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
used by	elements **LocationPrimaryInformation** **LocationSubsidiaryInformation** complexType **CapacityModelType**
facets	Kind Value Annotation minLength 1 maxLength 255
source	`<xs:element name="Comments" type="FreeText"/>`

element **CommercialService**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**CommercialServiceCode** **AvailabilityFrom** **AvailabilityTo**
used by	element **UnitData**
annotation	documentation Additional service offered in a train

source	`<xs:element name="CommercialService">`
	`  <xs:annotation>`
	`  <xs:documentation>Additional service offered in a train</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="CommercialServiceCode" minOccurs="0"/>`
	`  <xs:element ref="AvailabilityFrom" minOccurs="0"/>`
	`  <xs:element ref="AvailabilityTo" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **CommercialServiceCode**

diagram	**CommercialServiceCode** Code of the additional service offered in a train
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **CommercialService**
facets	Kind / Value / Annotation enumeration 01 documentation Electronic seat reservation mandatory enumeration 02 documentation Electronic seat reservation possible enumeration 03 documentation Silence comsectionment enumeration 04 documentation Silence comsectionment enumeration 05 documentation Comsectionment for families enumeration 06 documentation Comsectionement for women enumeration 07 documentation Nursery in use enumeration 08 documentation Bike accepted for free enumeration 09 documentation Bike accepted against paiement enumeration 10 documentation Comsectionment for train staff enumeration 11 documentation Comsectionment enumeration 12 documentation Passport comsectionement enumeration 13 documentation Comsectionement for PRM enumeration 14 documentation Journey where seats are in sleeping position enumeration 15 documentation Empty and not in service coach enumeration 16 documentation Coach with seats not in standard use enumeration 17 documentation Cars loaded against direction of travel enumeration 18 documentation Cars loaded in direction of travel enumeration 19 documentation Rail courier / rail postal service enumeration 20 documentation Reduced number of seats for reservation enumeration 21 documentation Dining car or bar in service enumeration 22 documentation Mobile dining service

annotation	documentation Code of the additional service offered in a train

source

```
<xs:element name="CommercialServiceCode">
  <xs:annotation>
    <xs:documentation>Code of the additional service offered in a
train</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="01">
        <xs:annotation>
          <xs:documentation xml:lang="en">Electronic seat reservation
mandatory</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="02">
        <xs:annotation>
          <xs:documentation xml:lang="en">Electronic seat reservation
possible</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="03">
        <xs:annotation>
          <xs:documentation xml:lang="en">Silence
comsectionment</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="04">
        <xs:annotation>
          <xs:documentation xml:lang="en">Silence
comsectionment</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="05">
        <xs:annotation>
          <xs:documentation xml:lang="en">Comsectionment for
families</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="06">
        <xs:annotation>
          <xs:documentation xml:lang="en">Comsectionement for
women</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="07">
        <xs:annotation>
          <xs:documentation xml:lang="en">Nursery in use</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="08">
        <xs:annotation>
          <xs:documentation xml:lang="en">Bike accepted for
free</xs:documentation>
        </xs:annotation>
```

```
      </xs:enumeration>
      <xs:enumeration value="09">
        <xs:annotation>
          <xs:documentation xml:lang="en">Bike accepted against
paiement</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="10">
        <xs:annotation>
          <xs:documentation xml:lang="en">Comsectionment for train
staff</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="11">
        <xs:annotation>
          <xs:documentation xml:lang="en">Comsectionment</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="12">
        <xs:annotation>
          <xs:documentation xml:lang="en">Passport
comsectionement</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="13">
        <xs:annotation>
          <xs:documentation xml:lang="en">Comsectionement for
PRM</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="14">
        <xs:annotation>
          <xs:documentation xml:lang="en">Journey where seats are in sleeping
position</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="15">
        <xs:annotation>
          <xs:documentation xml:lang="en">Empty and not in service
coach</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="16">
        <xs:annotation>
          <xs:documentation xml:lang="en">Coach with seats not in standard
use</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="17">
        <xs:annotation>
          <xs:documentation xml:lang="en">Cars loaded against direction of
travel</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="18">
```

```
        <xs:annotation>
          <xs:documentation xml:lang="en">Cars loaded in direction of
travel</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="19">
        <xs:annotation>
          <xs:documentation xml:lang="en">Rail courier / rail postal
service</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="20">
        <xs:annotation>
          <xs:documentation xml:lang="en">Reduced number of seats for
reservation</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="21">
        <xs:annotation>
          <xs:documentation xml:lang="en">Dining car or bar in
service</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="22">
        <xs:annotation>
          <xs:documentation xml:lang="en">Mobile dining
service</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **CommercialSpecificationCode**

diagram	CommercialSpecificationCode Commercial specifications code
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **ConsignmentOrderMessage/COMS/COM/CommercialSpecifications**
facets	Kind / Value / Annotation enumeration 1 documentation Route ... enumeration 2 documentation Traffic flow ... enumeration 3 documentation Carriers mandated to perform the carriage, section, status enumeration 4 documentation Defined frontier stations..... (for exceptional consignments) enumeration 5 documentation

	Other conditions requested....(for example: EDI contract number if an electronic consignment note is used.)
annotation	documentation Commercial specifications code
source	

```
<xs:element name="CommercialSpecificationCode">
  <xs:annotation>
    <xs:documentation>Commercial specifications code</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>Route ...</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>Traffic flow ...</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="3">
        <xs:annotation>
          <xs:documentation>Carriers mandated to perform the carriage, section,
status</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="4">
        <xs:annotation>
          <xs:documentation>Defined frontier stations..... (for exceptional
consignments)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="5">
        <xs:annotation>
          <xs:documentation>Other conditions requested....(for example: EDI
contract number if an electronic consignment note is used.)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **CommercialTrafficType**

diagram	**CommercialTrafficType** Commercial Brand Name of a train service based on Service Brand Coding List of TAP
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple

used by	elements **CoachOrTrainsetCommercialData** **PlannedTrainData** **UnitCommercialData**
facets	

Kind	Value	Annotation
maxLength	17	
enumeration	46	documentation TAJ documentation TAJ documentation Day car train documentation 13 documentation 0
enumeration	47	documentation TAC documentation TAC documentation Car sleeper train, motor rail (CST) documentation 14 documentation 0
enumeration	48	documentation SAE documentation SAE documentation Unaccompanied car service, motor rail documentation 14 documentation 0
enumeration	49	documentation EIC documentation EkspresIC documentation Fast and Comfortable Interregional trains documentation 10 documentation 0
enumeration	50	documentation EC documentation EuroCity documentation EuroCity documentation 9 documentation 0
enumeration	51	documentation ICE documentation ICE documentation ICE

			documentation 8 documentation 0
	enumeration	52	documentation AVE documentation AVE documentation AVE documentation 8 documentation 0
	enumeration	53	documentation EIL documentation EUROSTAR documentation Eurostar documentation 8 documentation 0
	enumeration	54	documentation documentation documentation Talgo documentation 9 documentation 0
	enumeration	55	documentation OTU documentation Oresundstog documentation Oresundstog documentation 10 documentation 0
	enumeration	56	documentation TGV documentation TGV documentation TGV Bruxelles – Lille / Province documentation 8 documentation 0
	enumeration	58	documentation TRN documentation Intercités documentation Intercités

			documentation 9 documentation 0
	enumeration	59	documentation AE documentation ALLEGRO documentation Allegro documentation 8 documentation 0
	enumeration	60	documentation ECB documentation EuroCityBrenner documentation EuroCityBrenner documentation 9 documentation 0
	enumeration	62	documentation documentation documentation Suburban service documentation 12 documentation 0
	enumeration	63	documentation IC documentation Intercity documentation Intercity documentation 9 documentation 0
	enumeration	64	documentation documentation documentation Hotel Train documentation 13 documentation 0
	enumeration	65	documentation documentation Ferry documentation

			hydrofoil documentation 33 documentation 0
	enumeration	66	documentation IC documentation Intercity documentation Inter City Lyn documentation 9 documentation 0
	enumeration	67	documentation documentation documentation TRN documentation 10 documentation 0
	enumeration	68	documentation documentation documentation International documentation 9 documentation 0
	enumeration	69	documentation documentation documentation Express documentation 10 documentation 0
	enumeration	70	documentation EN documentation EuroNight documentation Euro Night documentation 13 documentation 0
	enumeration	71	documentation HST documentation

			High-speed train documentation High-speed train documentation 8 documentation 0
	enumeration	72	documentation TRN documentation TRAIN documentation Train SNCF documentation 9 documentation 0
	enumeration	73	documentation TGV documentation TGV documentation TGV Sud-Est documentation 8 documentation 0
	enumeration	74	documentation TGV documentation TGV documentation TGV Atlantique documentation 8 documentation 0
	enumeration	75	documentation TGV documentation TGV documentation TGV Nord documentation 8 documentation 0
	enumeration	76	documentation TGV documentation TGV documentation TGV Lyria documentation 8 documentation 0
	enumeration	77	documentation TGV documentation

			TGV documentation TGV Duplex documentation 8 documentation 0
	enumeration	79	documentation TGV documentation TGV documentation TGV Est documentation 8 documentation 0
	enumeration	80	documentation TGV documentation TGV documentation TGV Interconnexion documentation 8 documentation 0
	enumeration	82	documentation documentation THALYS documentation Thalys documentation 8 documentation 0
	enumeration	83	documentation documentation Ferry documentation hovercraft documentation 33 documentation 0
	enumeration	84	documentation RE documentation regional train documentation Regional documentation 11 documentation 0
	enumeration	85	documentation WTE documentation

			Wilhelm Tell Express documentation Wilhelm Tell Express documentation 10 documentation 0
	enumeration	87	documentation documentation PENDOLINO documentation Pendolino documentation 8 documentation 0
	enumeration	88	documentation Suburban documentation ";E1;" documentation 0
	enumeration	89	documentation ALV documentation Alvia documentation Alvia documentation 8 documentation 0
	enumeration	90	documentation AVN documentation Avant documentation Avant documentation 8 documentation 0
	enumeration	91	documentation TER documentation TRAIN documentation Regional TER documentation 11 documentation 0
	enumeration	92	documentation REG documentation NSB Regiontog documentation NSB Regiontog documentation

			37 documentation 0
	enumeration	93	documentation FB documentation FRECCIABIANCA documentation FRECCIABIANCA documentation 8 documentation 0
	enumeration	94	documentation SC documentation SuperCity documentation Supercity documentation 9 documentation 0
	enumeration	95	documentation CNL documentation City Night Line (D) documentation DB Nachtzug documentation 13 documentation 0
	enumeration	96	documentation INI documentation InterCityNotte Italia documentation InterCityNotte documentation 13 documentation 0
	enumeration	97	documentation GB documentation ATOC MEMBER OPERATED SERVICE documentation ATOC MEMBER OPERATED SERVICE documentation 37 documentation 0
	enumeration	98	documentation ESI documentation ES* Italia documentation Eurostar Italia documentation

			8 documentation 0
	enumeration	99	documentation documentation documentation Funicular documentation 15 documentation 0
	enumeration	100	documentation documentation documentation Airport train documentation 12 documentation 0
	enumeration	101	documentation Night train documentation 13 documentation 0
	enumeration	102	documentation documentation documentation Touristic train documentation 9 documentation 0
	enumeration	107	documentation documentation documentation Historical train, steam engine train documentation 16 documentation 0
	enumeration	108	documentation IRE documentation IRE documentation Interregio-Express documentation 10 documentation

			0
	enumeration	109	documentation RB documentation RB documentation Regionalbahn documentation 11 documentation 0
	enumeration	110	documentation RE documentation RE documentation Regional-Express documentation 11 documentation 0
	enumeration	111	documentation RT documentation RT documentation RegioTram documentation 11 documentation 0
	enumeration	112	documentation documentation documentation Shinkansen documentation 8 documentation 0
	enumeration	113	documentation THT documentation TrainHotel Talgo documentation Train hotel talgo documentation 13 documentation 0
	enumeration	114	documentation EUR documentation Euromed documentation Euromed documentation 9 documentation

			0
	enumeration	115	documentation ALR documentation Alaris documentation Alaris documentation 9 documentation 0
	enumeration	116	documentation ALT documentation Altaria documentation Altaria documentation 9 documentation 0
	enumeration	117	documentation ARC documentation Arco documentation intercity documentation 9 documentation 2
	enumeration	119	documentation documentation documentation S-Bahn documentation 12 documentation 0
	enumeration	121	documentation Night Train documentation Night Train documentation ";E1;" documentation 0
	enumeration	122	documentation IR documentation Interregional documentation Interregional documentation 10 documentation 0
	enumeration	123	documentation

			IRN documentation Interregional Night Train documentation Interregional Night Train documentation 13 documentation 2
	enumeration	124	documentation NLT documentation TOLSTOI documentation Tolstoi documentation ";E1;" documentation 0
	enumeration	126	documentation documentation documentation ARZ documentation 14 documentation 0
	enumeration	128	documentation AVE documentation RENFE SNCF EN COOPERATION documentation RENFE SNCF documentation 8 documentation 0
	enumeration	129	documentation TGV documentation RENFE SNCF EN COOPERATION documentation RENFE SNCF documentation 8 documentation 0
	enumeration	130	documentation BUS documentation IC Bus documentation Bus documentation 32 documentation 0
	enumeration	131	documentation

			BUS documentation IC Bus international documentation Bus documentation 32 documentation 0
	enumeration	153	documentation documentation special train documentation Sonderzug documentation 9 documentation 0
	enumeration	154	documentation documentation documentation InterCityRapid documentation 9 documentation 0
	enumeration	155	documentation documentation documentation InterPici documentation 9 documentation 0
	enumeration	157	documentation documentation documentation Fast train documentation 9 documentation 0
	enumeration	158	documentation documentation documentation Euregio documentation 11

			documentation 0
	enumeration	159	documentation documentation Bus documentation IC Ersatzbus documentation 32 documentation 0
	enumeration	160	documentation documentation Bus documentation IP Ersatzbus documentation 32 documentation 0
	enumeration	162	documentation documentation Bus documentation Replacement Bus documentation 32 documentation 0
	enumeration	163	documentation TGV documentation TGV documentation TGV Duplex Lyria documentation 8 documentation 0
	enumeration	166	documentation TGV documentation TGV INOUI documentation TGV Duplex France Allemagne documentation 8 documentation 2
	enumeration	170	documentation YHT documentation YHT documentation High speed train in Turkey documentation

			8 documentation 0
	enumeration	171	documentation FA documentation FRECCIARGENTO documentation FRECCIARGENTO documentation 8 documentation 0
	enumeration	172	documentation FR documentation FRECCIAROSSA documentation FRECCIAROSSA documentation 8 documentation 0
	enumeration	173	documentation AP documentation Albula Panoramawagen documentation Albula Panoramawagen documentation 10 documentation 0
	enumeration	174	documentation BEX documentation Bernina Express documentation Bernina Express (Panorama Train) documentation 10 documentation 0
	enumeration	175	documentation GEX documentation Glacier Express documentation Glacier Express (Panorama Train) documentation 10 documentation 0
	enumeration	176	documentation GP documentation Golden Pass documentation Golden Pass (Panorama Train) documentation

			10 documentation 0
	enumeration	177	documentation BNI documentation Bernina Panorama documentation Bernina Panorama documentation 11 documentation 0
	enumeration	178	documentation zb documentation zb Zentralbahn AG documentation Luzern-Interlaken Express (Panorama Train) documentation 10 documentation 0
	enumeration	179	documentation BXB documentation Bernina Express Bus documentation Bernina Express (Panorama Bus) documentation ";E1;" documentation 0
	enumeration	200	documentation GGB documentation Gornergrat Bahn documentation Mountain train documentation ";E1;" documentation 0
	enumeration	202	documentation ICE documentation ICE-Allemagne France documentation ICE Allemagne-France documentation 8 documentation 0
	enumeration	203	documentation documentation ÖBB-NIGHTLINE documentation ÖBB Night Line documentation

			13 documentation 0
	enumeration	205	documentation ICP documentation Intercity Plus documentation Intercity Plus documentation ";E1;" documentation 0
	enumeration	206	documentation RID documentation Riviera Day documentation Riviera day documentation 9 documentation 0
	enumeration	207	documentation RIN documentation Riviera Night documentation Riviera night documentation 9 documentation 0
	enumeration	209	documentation RJ documentation R A I L JET documentation Rail Jet documentation 9 documentation 0
	enumeration	213	documentation AZ documentation DB Autozug documentation DB Autozug documentation 14 documentation 0
	enumeration	214	documentation documentation Berlin-Warszawa-Express documentation Berlin-Warszawa-Express documentation

			8 documentation 0
	enumeration	215	documentation documentation Railpromo Austria Express/Treski documentation Austria Express/Treski documentation 13 documentation 0
	enumeration	216	documentation documentation PRECIOS MERCADO documentation Precios Mercado documentation 9 documentation 0
	enumeration	219	documentation TGV documentation TGV documentation TGV documentation 8 documentation 0
	enumeration	223	documentation FB documentation FB documentation FernBus documentation 32 documentation 0
	enumeration	224	documentation ICB documentation Intercitybus documentation ÖBB-Intercitybus documentation 32 documentation 0
	enumeration	225	documentation TLK documentation TLK train documentation Yours Rail Lines documentation

			10 documentation 0
	enumeration	226	documentation A documentation RailBus documentation RailBus documentation 32 documentation 0
	enumeration	227	documentation BUS documentation Replacement bus for Regional Train documentation Replacement bus for Regional Train documentation 32 documentation 0
	enumeration	228	documentation IR documentation InterREGIO train documentation InterREGIO train documentation 10 documentation 0
	enumeration	229	documentation IRB documentation Replacement bus for InterRegio train documentation Replacement bus for InterRegio train documentation 32 documentation 0
	enumeration	230	documentation MP documentation Fast International Train documentation Fast International Train documentation 10 documentation 0
	enumeration	231	documentation MR documentation musicREGIO train documentation musicREGIO train documentation

			11 documentation 0
	enumeration	232	documentation Os documentation Stopping Train documentation Stopping Train documentation 11 documentation 0
	enumeration	233	documentation P documentation Fast Train documentation Fast Train documentation 10 documentation 0
	enumeration	234	documentation R documentation REGIO train documentation REGIO train documentation 11 documentation 0
	enumeration	235	documentation RE documentation REGIOekspres train documentation REGIOekspres train documentation 10 documentation 0
	enumeration	236	documentation VR documentation viaREGIO train documentation viaREGIO train documentation 11 documentation 0
	enumeration	237	documentation TK documentation TurKol documentation TurKol documentation

			11 documentation 0
	enumeration	238	documentation EIP documentation EIC Premium documentation High-speed train documentation 8 documentation 0
	enumeration	239	documentation SKM documentation PKP SKM w Trojmiescie documentation PKP SKM w Trojmiescie documentation 12 documentation 0
	enumeration	240	documentation SA documentation SAPSAN documentation High speed train documentation 8 documentation 0
	enumeration	242	documentation STR documentation STRIZH documentation Strizh night train documentation ";E1;" documentation 0
	enumeration	243	documentation STR documentation STRIZH documentation Strizh interregional documentation ";E1;" documentation 0
	enumeration	244	documentation NJ documentation NJ documentation NJ Night Jet documentation

			";E1;" documentation 0
	enumeration	245	documentation CAR documentation AUTOCAR documentation French regional buses (not sold via Hermes) documentation ";E1;" documentation 0
	enumeration	246	documentation RJX documentation RJX documentation RJX railjet xpress documentation ";E1;" documentation 0
	enumeration	247	documentation CJX documentation CJX documentation CJX cityjet xpress documentation ";E1;" documentation 0
	enumeration	248	documentation Night train BC documentation Night train BC documentation ";E1;" documentation 0
	enumeration	249	documentation TGV documentation TGV INOUI documentation TGV INOUI documentation ";E1;" documentation 0
	enumeration	250	documentation TGV documentation TGV INOUI documentation TGV INOUI DUPLEX (double decker TGV) documentation ";E1;" documentation

			0
	enumeration	251	documentation ALI documentation Aare Linth documentation Aare Linth (Panorama Train) documentation ";E1;" documentation 0
	enumeration	252	documentation TGO documentation Treno Gottardo documentation Treno Gottardo (Panorama Train) documentation ";E1;" documentation 0
	enumeration	253	documentation VAE documentation Voralpen-Express documentation Voralpen-Express (Panorama Train) documentation ";E1;" documentation 0
	enumeration	254	documentation LK documentation FRECCIALINK documentation FRECCIALINK documentation ";E1;" documentation 0
	enumeration	255	documentation FRN documentation FRECCIAROSSA NOTTE documentation FRECCIAROSSA NOTTE documentation ";E1;" documentation 0
	enumeration	256	documentation ABS documentation ANEK – SUPERFAST JOINT VENTURE documentation Domestic routes Crete documentation ";E1;" documentation

			0
	enumeration	257	documentation ASF documentation ANEK – SUPERFAST JOINT VENTURE documentation International Lines Italy-Greece and V.V. documentation ";E1;" documentation 0
	enumeration	258	documentation BSF documentation BLUE STAR FERRIES MARITIME SA CO JOINT VENTURE documentation Domestic routes Greece documentation ";E1;" documentation 0
	enumeration	259	documentation HSW documentation BLUE STAR FERRIES MARITIME SA CO JOINT VENTURE documentation Domestic routes Greece documentation ";E1;" documentation 0
annotation	documentation Commercial Brand Name of a train service based on Service Brand Coding List of TAP		

source

```
<xs:element name="CommercialTrafficType">
  <xs:annotation>
    <xs:documentation>Commercial Brand Name of a train service based on Service Brand
Coding List of TAP</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:annotation>
      <xs:documentation xml:lang="en">Code list for the service brand name
(B.4.7009)
                    Code list for the service brand name
                    Source: B.4.7009,B.5.82,B.5.83,B.5.84</xs:documentation>
    </xs:annotation>
    <xs:restriction base="xs:string">
      <xs:maxLength value="17"/>
      <xs:enumeration value="46">
        <xs:annotation>
          <xs:documentation xml:lang="en">TAJ</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="ticket text
reservation">TAJ</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="merits description">Day car
train</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="servicemode
code">13</xs:documentation>
          <xs:documentation xml:lang="en"
```

```
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="47">
        <xs:annotation>
          <xs:documentation xml:lang="en">TAC</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="ticket text
reservation">TAC</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="merits description">Car
sleeper train, motor rail (CST)</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="servicemode
code">14</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="48">
        <xs:annotation>
          <xs:documentation xml:lang="en">SAE</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="ticket text
reservation">SAE</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="merits
description">Unaccompanied car service, motor rail</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="servicemode
code">14</xs:documentation>
          <xs:documentation xml:lang="en"
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description">FRECCIALINK</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="servicemode
code">";E1;"</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="255">
        <xs:annotation>
          <xs:documentation xml:lang="en">FRN</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="ticket text
```

```
reservation">FRECCIAROSSA NOTTE</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="merits
description">FRECCIAROSSA NOTTE</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="servicemode
code">";E1;"</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="256">
        <xs:annotation>
          <xs:documentation xml:lang="en">ABS</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="ticket text
reservation">ANEK – SUPERFAST JOINT VENTURE </xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="merits
description">Domestic routes Crete</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="servicemode
code">";E1;"</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="257">
        <xs:annotation>
          <xs:documentation xml:lang="en">ASF</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="ticket text
reservation">ANEK – SUPERFAST JOINT VENTURE </xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="merits
description">International Lines Italy-Greece and V.V.</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="servicemode
code">";E1;"</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="258">
        <xs:annotation>
          <xs:documentation xml:lang="en">BSF</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="ticket text
reservation">BLUE STAR FERRIES MARITIME SA  CO JOINT  VENTURE</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="merits
description">Domestic routes Greece  </xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="servicemode
code">";E1;"</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="259">
        <xs:annotation>
          <xs:documentation xml:lang="en">HSW</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="ticket text
reservation">BLUE STAR FERRIES MARITIME SA  CO JOINT  VENTURE</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="merits
description">Domestic routes Greece  </xs:documentation>
```

```
          <xs:documentation xml:lang="en" doc:docType="servicemode
code">";E1;"</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **CommitmentETA**

diagram	**CommitmentETA** Identifies the commitment to the customer regarding date and time of the arrival date and time of the Wagon or Unit on the final destination of the customer siding.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	element **AlertMessage**
annotation	documentation Identifies the commitment to the customer regarding date and time of the arrival date and time of the Wagon or Unit on the final destination of the customer siding.

source	`<xs:element name="CommitmentETA" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the commitment to the customer regarding date and time of the arrival date and time of the Wagon or Unit on the final destination of the customer siding.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

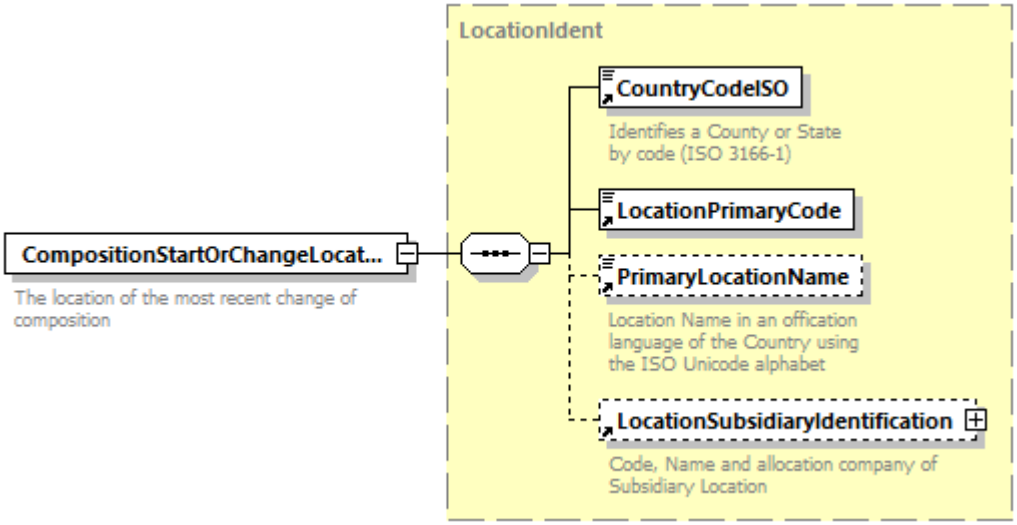
element **Company**

diagram	**Company** Identifies a railway company (RU or IM)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
used by	elements **CapacityProductSearchCriteria/AffectedIMSearch** **TCRSearchCriteria/AffectedIMSearch** complexTypes **CompositIdentifierOperationalType** **CompositIdentifierPlannedType**
facets	Kind Value Annotation minLength 4 maxLength 4

	pattern [0-9A-Z]{4}
annotation	documentation Identifies a railway company (RU or IM)

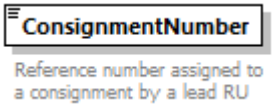
source	`<xs:element name="Company" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies a railway company (RU or IM)</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **CompositionStartOrChangeLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation The location of the most recent change of composition

source	`<xs:element name="CompositionStartOrChangeLocation" type="LocationIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>The location of the most recent change of composition</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

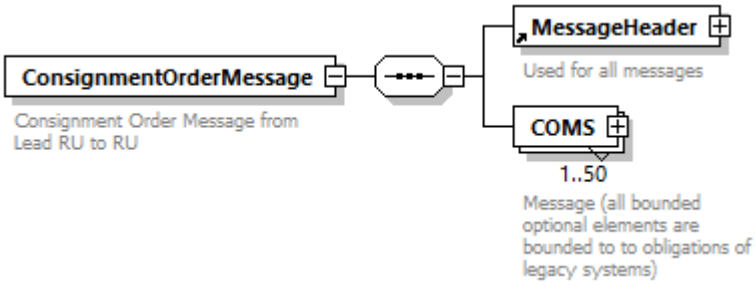
element **ConsignmentNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	**ConsignmentIdent**
properties	content complex
annotation	documentation Reference number assigned to a consignment by a lead RU

source	`<xs:element name="ConsignmentNumber" type="ConsignmentIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>Reference number assigned to a consignment by a lead RU</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **COMS**
annotation	documentation Consignment Order Message from Lead RU to RU

source	`<xs:element name="ConsignmentOrderMessage">`
	`  <xs:annotation>`
	`  <xs:documentation>Consignment Order Message from Lead RU to RU</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="MessageHeader"/>`
	`  <xs:element name="COMS" maxOccurs="50">`
	`  <xs:annotation>`
	`  <xs:documentation>Message (all bounded optional elements are bounded to to obligations of legacy systems)</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="COM_Header">`
	`  <xs:annotation>`
	`  <xs:documentation>Additional Header containing consignment related key data such as dossiernumber, version number and a change log for modifications</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`

```
                <xs:sequence>
                  <xs:element name="SendingRU" type="CompanyCode">
                    <xs:annotation>
                      <xs:documentation>Use here the 4 digit code according to UIC
leaflet 920-1 of the railway, which created/amended the message (like
2185).</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="ReceivingRU" type="CompanyCode">
                    <xs:annotation>
                      <xs:documentation>Use here the 4 digit code according to UIC
leaflet 920-1 of the railway, which is the receipient of the message (like
2185).</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="MessageReferenceNumber" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Message Reference NumberThis
identification is being generated during creation of the message. This allows the
tracing of the message.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:minLength value="1"/>
                        <xs:maxLength value="18">
                          <xs:annotation>
                            <xs:documentation>Use here a counter, any
system.</xs:documentation>
                          </xs:annotation>
                        </xs:maxLength>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="ShipmentType">
                    <xs:annotation>
                      <xs:documentation>Classification of the wagon order as
'CUV','CIM' or "SMGS".</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:token">
                        <xs:enumeration value="CIM">
                          <xs:annotation>
                            <xs:documentation>Regular transport, according in
basic to the CIM consignment note.</xs:documentation>
                          </xs:annotation>
                        </xs:enumeration>
                        <xs:enumeration value="CUV">
                          <xs:annotation>
                            <xs:documentation>Transport of empty wagons. If loaded
and empty wagons are withing the same shipment, then the ShipmentType has to be set
to CIM. For the empty wagons the loading status has to be set in the
WagonDetails.</xs:documentation>
                          </xs:annotation>
                        </xs:enumeration>
                        <xs:enumeration value="SMGS"/>
```

```
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                    <xs:element ref="ConsignmentOrderType"/>
                    <xs:element name="COM_PreparationDatetime">
                      <xs:annotation>
                        <xs:documentation>Date and Time of preparation of the
COM</xs:documentation>
                      </xs:annotation>
                      <xs:simpleType>
                        <xs:restriction base="xs:dateTime"/>
                      </xs:simpleType>
                    </xs:element>
                    <xs:element name="DossierNumber" minOccurs="0">
                      <xs:annotation>
                        <xs:documentation>Internal identification number of  the Wo.
This information is important to be able to identify the COM even after modifications.
Format: RRRRYYYYMMDDNNNNNNN Where RRRR = railway code, YYYY = year, MM = month, DD
= day and NNNNNNN = running number.</xs:documentation>
                      </xs:annotation>
                      <xs:simpleType>
                        <xs:restriction base="xs:string">
                          <xs:length value="19"/>
                          <xs:pattern value="\d{4}20\d{2}[0-1][0-9][0-3]\d{8}"/>
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                    <xs:element name="VersionNumber">
                      <xs:annotation>
                        <xs:documentation>Message version number. This number hast to
be incremented after each modification. On creation this value has to be set to
0.</xs:documentation>
                      </xs:annotation>
                      <xs:simpleType>
                        <xs:restriction base="xs:int">
                          <xs:minInclusive value="0"/>
                          <xs:maxInclusive value="100"/>
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                    <xs:element name="PrintForm" minOccurs="0">
                      <xs:annotation>
                        <xs:documentation>Which form to use for printout. CIM-CN or
CIM-CN for combined traffic. This information assures, that the same paper document
will be used for the 'duplicate of the consignment note' and the final print out of
the ECN for the consignee.</xs:documentation>
                      </xs:annotation>
                      <xs:simpleType>
                        <xs:restriction base="xs:token">
                          <xs:enumeration value="WLT">
                            <xs:annotation>
                              <xs:documentation>Wagon load transport form to be used
for print-out.</xs:documentation>
                            </xs:annotation>
                          </xs:enumeration>
```

```
                        <xs:enumeration value="CT">
                          <xs:annotation>
                            <xs:documentation>Combined traffic form to be used for
print-out.</xs:documentation>
                          </xs:annotation>
                        </xs:enumeration>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="Intermodal" minOccurs="0">
                    <xs:simpleType>
                      <xs:restriction base="xs:byte">
                        <xs:pattern value="0|1"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="ChangeLog" minOccurs="0" maxOccurs="100">
                    <xs:annotation>
                      <xs:documentation>Log of changes made by the LeadRU /
contractual carrier during the transport.</xs:documentation>
                    </xs:annotation>
                    <xs:complexType>
                      <xs:sequence>
                        <xs:element name="DateTime">
                          <xs:annotation>
                            <xs:documentation>DateTime, when the changes were
applied.</xs:documentation>
                          </xs:annotation>
                          <xs:simpleType>
                            <xs:restriction base="xs:dateTime"/>
                          </xs:simpleType>
                        </xs:element>
                        <xs:element name="NumberOfModifiedVersion">
                          <xs:annotation>
                            <xs:documentation>Version number of the modified
message (as also written into COMHeader/COMVersionNumber).</xs:documentation>
                          </xs:annotation>
                          <xs:simpleType>
                            <xs:restriction base="xs:int"/>
                          </xs:simpleType>
                        </xs:element>
                      </xs:sequence>
                    </xs:complexType>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element name="COM">
              <xs:annotation>
                <xs:documentation>Consignment order message</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="AcceptancePoint">
                    <xs:annotation>
```

```
                        <xs:documentation>Description of location and time for the
take over of the consignment</xs:documentation>
                      </xs:annotation>
                      <xs:complexType>
                        <xs:sequence>
                          <xs:element ref="Station"/>
                          <xs:element ref="RP_Code" minOccurs="0"/>
                          <xs:element ref="ProductionStation" minOccurs="0"/>
                          <xs:element name="AcceptanceDate" minOccurs="0">
                            <xs:annotation>
                              <xs:documentation>Date and time (month, day and hour)
at which the goods were accepted. </xs:documentation>
                            </xs:annotation>
                            <xs:simpleType>
                              <xs:restriction base="xs:dateTime"/>
                            </xs:simpleType>
                          </xs:element>
                          <xs:element name="ConsignmentNumber">
                            <xs:annotation>
                              <xs:documentation>Running number and check digit of the
consignment between Lead RU and customer. Format: NNNNNC The number consists of NNNNN
= running number C = check digit, </xs:documentation>
                            </xs:annotation>
                            <xs:simpleType>
                              <xs:restriction base="xs:string">
                                <xs:length value="6"/>
                                <xs:pattern value="\d*[1-9]\d*"/>
                              </xs:restriction>
                            </xs:simpleType>
                          </xs:element>
                          <xs:element name="ForwardingTrainNumber" minOccurs="0">
                            <xs:annotation>
                              <xs:documentation>Train number at shipping
</xs:documentation>
                            </xs:annotation>
                            <xs:simpleType>
                              <xs:restriction base="xs:string">
                                <xs:minLength value="1"/>
                                <xs:maxLength value="6"/>
                              </xs:restriction>
                            </xs:simpleType>
                          </xs:element>
                          <xs:element name="CarrierCode" type="CompanyCode">
                            <xs:annotation>
                              <xs:documentation>Code of the shipping carrier
mentioned in the consignment number.</xs:documentation>
                            </xs:annotation>
                          </xs:element>
                        </xs:sequence>
                      </xs:complexType>
                    </xs:element>
                    <xs:element name="DeliveryPoint">
                      <xs:annotation>
                        <xs:documentation>Description of location and time for the
hand over of the consignment</xs:documentation>
```

```
                    </xs:annotation>
                    <xs:complexType>
                      <xs:sequence>
                        <xs:element ref="Station"/>
                        <xs:element ref="RP_Code" minOccurs="0"/>
                        <xs:element ref="ProductionStation" minOccurs="0"/>
                      </xs:sequence>
                    </xs:complexType>
                  </xs:element>
                  <xs:element ref="Customers" minOccurs="2" maxOccurs="4">
                    <xs:annotation>
                      <xs:documentation>Information about the consignor, consignee
and freight payers. At least information about consignor and consignee has to be
given</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="ConsignorDeclarations" minOccurs="0"
maxOccurs="10">
                    <xs:annotation>
                      <xs:documentation>Consignors declarartions, this element
contains either declarations of the original consignor or declarations of the LeadRU
as consignor</xs:documentation>
                    </xs:annotation>
                    <xs:complexType>
                      <xs:sequence>
                        <xs:element ref="ConsignorDeclarationCode"/>
                        <xs:element ref="DeclarationText" minOccurs="0"/>
                      </xs:sequence>
                    </xs:complexType>
                  </xs:element>
                  <xs:element name="GeneralInformation" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Genearal information about the complete
consignment</xs:documentation>
                    </xs:annotation>
                    <xs:complexType>
                      <xs:sequence>
                        <xs:element name="ConsignorReference" minOccurs="0">
                          <xs:annotation>
                            <xs:documentation>Consignor's reference concerning
the complete consignment</xs:documentation>
                          </xs:annotation>
                          <xs:simpleType>
                            <xs:restriction base="xs:string">
                              <xs:minLength value="1"/>
                              <xs:maxLength value="35"/>
                            </xs:restriction>
                          </xs:simpleType>
                        </xs:element>
                        <xs:element name="InformationConsignee" minOccurs="0">
                          <xs:annotation>
                            <xs:documentation>Information from the consignor to
the consignee relating to the consignment. This information is not to commit the
carrier.</xs:documentation>
                          </xs:annotation>
```

```
                            <xs:simpleType>
                              <xs:restriction base="xs:string">
                                <xs:minLength value="1"/>
                                <xs:maxLength value="350"/>
                              </xs:restriction>
                            </xs:simpleType>
                          </xs:element>
                          <xs:element name="WagonGroupInfo" minOccurs="0">
                            <xs:annotation>
                              <xs:documentation>Consignor information regarding the
whole consignment. Comparable with the element WagonInfo, but for all
wagons.</xs:documentation>
                            </xs:annotation>
                            <xs:simpleType>
                              <xs:restriction base="xs:string">
                                <xs:maxLength value="500"/>
                                <xs:minLength value="1"/>
                              </xs:restriction>
                            </xs:simpleType>
                          </xs:element>
                        </xs:sequence>
                      </xs:complexType>
                    </xs:element>
                    <xs:element name="AttachedDocuments" minOccurs="0"
maxOccurs="10">
                      <xs:annotation>
                        <xs:documentation>Paper documents accompanying the
transport</xs:documentation>
                      </xs:annotation>
                      <xs:complexType>
                        <xs:sequence>
                          <xs:element name="DocumentType">
                            <xs:annotation>
                              <xs:documentation>Type code of attached document. The
UN/DIFACT 1001 list of codes is to be used to code accompanying
documents.</xs:documentation>
                            </xs:annotation>
                            <xs:simpleType>
                              <xs:restriction base="xs:int">
                                <xs:minInclusive value="1"/>
                                <xs:maxInclusive value="999"/>
                              </xs:restriction>
                            </xs:simpleType>
                          </xs:element>
                          <xs:element name="DocumentInformation" minOccurs="0">
                            <xs:annotation>
                              <xs:documentation>Additional information regarding
the attached document may be entered here.</xs:documentation>
                            </xs:annotation>
                            <xs:simpleType>
                              <xs:restriction base="xs:string">
                                <xs:minLength value="1"/>
                                <xs:maxLength value="35"/>
                              </xs:restriction>
                            </xs:simpleType>
```

```
                        </xs:element>
                        <xs:element ref="Quantity" minOccurs="0">
                          <xs:annotation>
                            <xs:documentation>Amount of the documents of the
specified type.</xs:documentation>
                          </xs:annotation>
                        </xs:element>
                        <xs:element name="DocumentTypeDescription" minOccurs="0">
                          <xs:annotation>
                            <xs:documentation>Description of document type, when
it is not in the UN/EDIFACT 1001 list included.</xs:documentation>
                          </xs:annotation>
                          <xs:simpleType>
                            <xs:restriction base="xs:string">
                              <xs:minLength value="1"/>
                              <xs:maxLength value="35"/>
                            </xs:restriction>
                          </xs:simpleType>
                        </xs:element>
                        <xs:element name="Filename" minOccurs="0">
                          <xs:annotation>
                            <xs:documentation>Filename of embedded pdf in legacy
system</xs:documentation>
                          </xs:annotation>
                          <xs:simpleType>
                            <xs:restriction base="xs:string">
                              <xs:maxLength value="35"/>
                              <xs:minLength value="1"/>
                            </xs:restriction>
                          </xs:simpleType>
                        </xs:element>
                        <xs:element ref="StatusOfDocument" minOccurs="0"/>
                      </xs:sequence>
                    </xs:complexType>
                  </xs:element>
                  <xs:element name="CommercialSpecifications" minOccurs="0"
maxOccurs="5">
                    <xs:annotation>
                      <xs:documentation>Commercial
Specification</xs:documentation>
                    </xs:annotation>
                    <xs:complexType>
                      <xs:sequence>
                        <xs:element ref="CommercialSpecificationCode"/>
                        <xs:element name="SpecificationText" minOccurs="0">
                          <xs:annotation>
                            <xs:documentation>Additional Text for codes with free
text</xs:documentation>
                          </xs:annotation>
                          <xs:simpleType>
                            <xs:restriction base="xs:string">
                              <xs:minLength value="1"/>
                              <xs:maxLength value="350"/>
                            </xs:restriction>
                          </xs:simpleType>
```

```
                        </xs:element>
                        <xs:element name="CarrierCode" type="CompanyCode"
minOccurs="0" maxOccurs="10">
                          <xs:annotation>
                            <xs:documentation>additional carrier code belonging to
the given contract number</xs:documentation>
                          </xs:annotation>
                        </xs:element>
                        <xs:element name="ContractNumber" minOccurs="0"
maxOccurs="10">
                          <xs:annotation>
                            <xs:documentation>additional contract number
according to the given carrier code.</xs:documentation>
                          </xs:annotation>
                          <xs:simpleType>
                            <xs:restriction base="xs:string">
                              <xs:minLength value="1">
                                <xs:annotation>
                                  <xs:documentation>has to be sent as n6 (with
leading zeros if necessary)</xs:documentation>
                                </xs:annotation>
                              </xs:minLength>
                              <xs:maxLength value="6"/>
                            </xs:restriction>
                          </xs:simpleType>
                        </xs:element>
                      </xs:sequence>
                    </xs:complexType>
                  </xs:element>
                  <xs:element name="PrepaymentInstructions">
                    <xs:annotation>
                      <xs:documentation>Prepayment</xs:documentation>
                    </xs:annotation>
                    <xs:complexType>
                      <xs:sequence>
                        <xs:element name="PrepaymentCustomer" minOccurs="0">
                          <xs:annotation>
                            <xs:documentation>Prepaidcode (given by the
client)</xs:documentation>
                          </xs:annotation>
                          <xs:complexType>
                            <xs:choice>
                              <xs:element ref="PrepaidCodeCustomer"/>
                              <xs:element ref="IncotermCode"/>
                            </xs:choice>
                          </xs:complexType>
                        </xs:element>
                        <xs:element ref="PrepaidcodeCarrier"/>
                        <xs:element name="PaidUpTo" minOccurs="0">
                          <xs:annotation>
                            <xs:documentation>Charges Paid Up To ... This
information is being sent by the consignor in agreement with the contractual carrier
so only one structure is needed for field 20 and 49. The carrier is only allowed to
apply changes, when ordered by the consignor.</xs:documentation>
                          </xs:annotation>
```

```
                            <xs:complexType>
                              <xs:complexContent>
                                <xs:extension base="LocationIdent"/>
                              </xs:complexContent>
                            </xs:complexType>
                          </xs:element>
                          <xs:element name="AdditionalCharges" minOccurs="0"
maxOccurs="5">
                            <xs:annotation>
                              <xs:documentation>Additional
Charges</xs:documentation>
                            </xs:annotation>
                            <xs:complexType>
                              <xs:sequence>
                                <xs:element name="Code">
                                  <xs:annotation>
                                    <xs:documentation>Additional charges code
according CIT GLV-CIM appendix 3</xs:documentation>
                                  </xs:annotation>
                                  <xs:simpleType>
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description</xs:documentation>
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tariff</xs:documentation>
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agreement.</xs:documentation>
```

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leading zeros if necessary)</xs:documentation>
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tariff.</xs:documentation>
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Invoicing</xs:documentation>
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by</xs:documentation>
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```

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to be invoiced.</xs:documentation>
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specified by country</xs:documentation>
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type="CompanyCode">
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specified by carrier</xs:documentation>
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currency code when the value exceeds the limit given in CIM Article 30 section
2.</xs:documentation>
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                          </xs:annotation>
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alphanumeric)</xs:documentation>
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a special interest in delivery.</xs:documentation>
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                            <xs:documentation>Amount</xs:documentation>
                          </xs:annotation>
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                          <xs:annotation>
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alphanumeric)</xs:documentation>
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delivery and the currency code.</xs:documentation>
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alphanumeric)</xs:documentation>
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about the complete routing of the consignment, the LeadRu  decides wether to provide
this information or not</xs:documentation>
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transport chain. Used to determine the exact way of the transport for customs
purposes.</xs:documentation>
                          </xs:annotation>
                        </xs:element>
                        <xs:sequence>
                          <xs:element name="RouteCode">
```

```
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RouteCode)</xs:documentation>
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section</xs:documentation>
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procedures. </xs:documentation>
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```
used (STP).</xs:documentation>
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RU</xs:documentation>
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surveillance</xs:documentation>
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or a consignor/consignee authorised by customs. Data element in accordance with
Regulation (EC) 1875/2006).</xs:documentation>
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declaration.</xs:documentation>
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```
declaration.</xs:documentation>
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acceptance point given by the consignor.</xs:documentation>
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given in structure AcceptancePoint.</xs:documentation>
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given structure AcceptancePoint.</xs:documentation>
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Code)</xs:documentation>
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type="CompanyCode" minOccurs="0">
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of the carrier in charge.</xs:documentation>
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```

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carrier. This can be a station OR a border crossing point.</xs:documentation>
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the responsible and the operating carrier</xs:documentation>
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                                </xs:annotation>
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carrier</xs:documentation>
                    </xs:annotation>
                    <xs:complexType>
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```

```
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undertaking (Railway Code).</xs:documentation>
                          </xs:annotation>
                        </xs:element>
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                          <xs:annotation>
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carrier</xs:documentation>
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carrier.</xs:documentation>
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carrier</xs:documentation>
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```
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Code)</xs:documentation>
                            </xs:annotation>
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carrier. When missing, the shipment number (CIM: 62) shall be used for signature
purposes.</xs:documentation>
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was made out</xs:documentation>
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was made out.</xs:documentation>
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```

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sent the charges note back to the contractual carrier.</xs:documentation>
                          </xs:annotation>
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9.</xs:documentation>
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extension.</xs:documentation>
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extension.</xs:documentation>
```

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extension.</xs:documentation>
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section</xs:documentation>
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section</xs:documentation>
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agreement or the tariff applied provide for it. </xs:documentation>
                            </xs:annotation>
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entered in the charging section.</xs:documentation>
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                          <xs:element name="Tariff" minOccurs="0">
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```

```
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Tariff</xs:documentation>
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charges applicable.</xs:documentation>
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                                </xs:element>
                                <xs:element name="TariffNumber">
                                  <xs:annotation>
                                    <xs:documentation>Customer agreement or tariff
applied</xs:documentation>
                                  </xs:annotation>
                                  <xs:simpleType>
                                    <xs:restriction base="xs:string">
                                      <xs:minLength value="1"/>
                                      <xs:maxLength value="6"/>
                                    </xs:restriction>
                                  </xs:simpleType>
                                </xs:element>
                                <xs:element name="ChargedMass" minOccurs="0">
                                  <xs:annotation>
                                    <xs:documentation>Charged mass [weight in kg].
As appropriate, area in m² or the volume of the wagon or goods in m³ if used as the
basis for charging.</xs:documentation>
                                  </xs:annotation>
                                  <xs:complexType>
                                    <xs:sequence>
                                      <xs:element name="value">
                                        <xs:simpleType>
                                          <xs:restriction base="xs:decimal">
                                            <xs:minInclusive value="1"/>
                                            <xs:totalDigits value="8"/>
                                            <xs:fractionDigits value="1"/>
                                          </xs:restriction>
                                        </xs:simpleType>
                                      </xs:element>
                                      <xs:element name="measure" minOccurs="0">
                                        <xs:simpleType>
                                          <xs:restriction base="xs:token">
                                            <xs:enumeration value="kg"/>
                                            <xs:enumeration value="m2"/>
                                            <xs:enumeration value="m3"/>
                                          </xs:restriction>
                                        </xs:simpleType>
                                      </xs:element>
                                    </xs:sequence>
                                  </xs:complexType>
                                </xs:element>
                                <xs:element name="ExchangeRate" minOccurs="0">
                                  <xs:annotation>
                                    <xs:documentation>Exchange rate for amounts to
```

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be paid by the consignor or consignee which are not expressed in the invoicing
currency.</xs:documentation>
                                    </xs:annotation>
                                    <xs:simpleType>
                                      <xs:restriction base="xs:decimal">
                                        <xs:totalDigits value="18"/>
                                        <xs:fractionDigits value="3"/>
                                      </xs:restriction>
                                    </xs:simpleType>
                                  </xs:element>
                                  <xs:element name="Distance" minOccurs="0">
                                    <xs:annotation>
                                      <xs:documentation>Tariff distance, expressed in
km or zones, between the stations or points corresponding to the beginning and end
of the charging section.</xs:documentation>
                                    </xs:annotation>
                                    <xs:complexType>
                                      <xs:choice>
                                        <xs:element name="KM">
                                          <xs:annotation>
                                            <xs:documentation>Tariff distance,
expressed in km, between the stations or points corresponding to the beginning and
end of the charging section.</xs:documentation>
                                          </xs:annotation>
                                          <xs:simpleType>
                                            <xs:restriction base="xs:int">
                                              <xs:minInclusive value="1"/>
                                              <xs:maxInclusive value="99999"/>
                                            </xs:restriction>
                                          </xs:simpleType>
                                        </xs:element>
                                        <xs:element name="Zones">
                                          <xs:annotation>
                                            <xs:documentation>Tariff distance,
expressed in zones, between the stations or points corresponding to the beginning
and end of the charging section.</xs:documentation>
                                          </xs:annotation>
                                          <xs:simpleType>
                                            <xs:restriction base="xs:int">
                                              <xs:minInclusive value="1"/>
                                              <xs:maxInclusive value="99"/>
                                            </xs:restriction>
                                          </xs:simpleType>
                                        </xs:element>
                                      </xs:choice>
                                    </xs:complexType>
                                  </xs:element>
                                  <xs:element name="Fee" minOccurs="0">
                                    <xs:annotation>
                                      <xs:documentation>Supplements, fees,
deductions</xs:documentation>
                                    </xs:annotation>
                                    <xs:simpleType>
                                      <xs:restriction base="xs:int">
                                        <xs:totalDigits value="4"/>
```

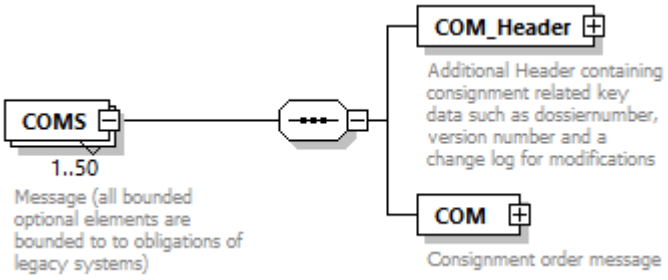
```
                                    <xs:minInclusive value="1"/>
                                  </xs:restriction>
                                </xs:simpleType>
                              </xs:element>
                              <xs:element name="FreightCharges" minOccurs="0">
                                <xs:annotation>
                                  <xs:documentation>Freight Charges (paid and
due)</xs:documentation>
                                </xs:annotation>
                                <xs:complexType>
                                  <xs:choice>
                                    <xs:element name="Prepaid" type="Money_Type">
                                      <xs:annotation>
                                        <xs:documentation>Carriage charges to be
paid by the consignor in the tariff currency.</xs:documentation>
                                      </xs:annotation>
                                    </xs:element>
                                    <xs:element name="Transferred"
type="Money_Type">
                                      <xs:annotation>
                                        <xs:documentation>Carriage charges to be
paid by the consignee in the tariff currency.</xs:documentation>
                                      </xs:annotation>
                                    </xs:element>
                                  </xs:choice>
                                </xs:complexType>
                              </xs:element>
                            </xs:sequence>
                          </xs:complexType>
                        </xs:element>
                        <xs:element name="AdditionalCharges" minOccurs="0"
maxOccurs="10">
                          <xs:annotation>
                            <xs:documentation/>
                            <xs:documentation>Sum of Prepaid</xs:documentation>
                            <xs:documentation>Sum of
Transferred</xs:documentation>
                          </xs:annotation>
                          <xs:complexType>
                            <xs:sequence>
                              <xs:element name="Code">
                                <xs:annotation>
                                  <xs:documentation>Additional charges
code</xs:documentation>
                                </xs:annotation>
                                <xs:simpleType>
                                  <xs:restriction base="xs:string">
                                    <xs:minLength value="1"/>
                                    <xs:maxLength value="2"/>
                                  </xs:restriction>
                                </xs:simpleType>
                              </xs:element>
                              <xs:choice>
                                <xs:element name="Prepaid" type="Money_Type">
                                  <xs:annotation>
```

```
                                    <xs:documentation>Prepaid</xs:documentation>
                                  </xs:annotation>
                                </xs:element>
                                <xs:element name="Transferred" type="Money_Type">
                                  <xs:annotation>

<xs:documentation>Transferred</xs:documentation>
                                  </xs:annotation>
                                </xs:element>
                              </xs:choice>
                            </xs:sequence>
                          </xs:complexType>
                        </xs:element>
                      </xs:sequence>
                    </xs:complexType>
                  </xs:element>
                  <xs:element ref="Wagons" minOccurs="0" maxOccurs="99">
                    <xs:annotation>
                      <xs:documentation>Contains list of transported Goods, Wagons
and ITU etc.</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="WagonPreviousNumberFreight" minOccurs="0"
maxOccurs="20">
                    <xs:annotation>
                      <xs:documentation>Identifies the previous freight wagon if a
shipment or Intermodal unit has changed the wagon during its
journey</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="WagonIdent">
                        <xs:length value="12"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element ref="AgreedTimeOfDelivery" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>The requested Date and Time for the
delivery of a wagon/Shipment or Intermodal units at customer
sidings</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 1 maxOcc 50 content complex
children	**COM_Header** **COM**
annotation	documentation Message (all bounded optional elements are bounded to to obligations of legacy systems)

source

```
<xs:element name="COMS" maxOccurs="50">
  <xs:annotation>
    <xs:documentation>Message (all bounded optional elements are bounded to to
obligations of legacy systems)</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="COM_Header">
        <xs:annotation>
          <xs:documentation>Additional Header containing consignment related key
data such as dossiernumber, version number and a change log for
modifications</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="SendingRU" type="CompanyCode">
              <xs:annotation>
                <xs:documentation>Use here the 4 digit code according to UIC leaflet
920-1 of the railway, which created/amended the message (like
2185).</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="ReceivingRU" type="CompanyCode">
              <xs:annotation>
                <xs:documentation>Use here the 4 digit code according to UIC leaflet
920-1 of the railway, which is the receipient of the message (like
2185).</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="MessageReferenceNumber" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Message Reference NumberThis identification is
being generated during creation of the message. This allows the tracing of the
message.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
```

```
                <xs:restriction base="xs:string">
                  <xs:minLength value="1"/>
                  <xs:maxLength value="18">
                    <xs:annotation>
                      <xs:documentation>Use here a counter, any
system.</xs:documentation>
                    </xs:annotation>
                  </xs:maxLength>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="ShipmentType">
              <xs:annotation>
                <xs:documentation>Classification of the wagon order as 'CUV','CIM'
or "SMGS".</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:token">
                  <xs:enumeration value="CIM">
                    <xs:annotation>
                      <xs:documentation>Regular transport, according in basic to
the CIM consignment note.</xs:documentation>
                    </xs:annotation>
                  </xs:enumeration>
                  <xs:enumeration value="CUV">
                    <xs:annotation>
                      <xs:documentation>Transport of empty wagons. If loaded and
empty wagons are withing the same shipment, then the ShipmentType has to be set to
CIM. For the empty wagons the loading status has to be set in the
WagonDetails.</xs:documentation>
                    </xs:annotation>
                  </xs:enumeration>
                  <xs:enumeration value="SMGS"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element ref="ConsignmentOrderType"/>
            <xs:element name="COM_PreparationDatetime">
              <xs:annotation>
                <xs:documentation>Date and Time of preparation of the
COM</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:dateTime"/>
              </xs:simpleType>
            </xs:element>
            <xs:element name="DossierNumber" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Internal identification number of  the Wo. This
information is important to be able to identify the COM even after modifications.
Format: RRRRYYYYMMDDNNNNNNN Where RRRR = railway code, YYYY = year, MM = month, DD
= day and NNNNNNN = running number.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
```

```
                <xs:length value="19"/>
                <xs:pattern value="\d{4}20\d{2}[0-1][0-9][0-3]\d{8}"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="VersionNumber">
            <xs:annotation>
              <xs:documentation>Message version number. This number hast to be
incremented after each modification. On creation this value has to be set to
0.</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:int">
                <xs:minInclusive value="0"/>
                <xs:maxInclusive value="100"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="PrintForm" minOccurs="0">
            <xs:annotation>
              <xs:documentation>Which form to use for printout. CIM-CN or CIM-CN
for combined traffic. This information assures, that the same paper document will
be used for the 'duplicate of the consignment note' and the final print out of the
ECN for the consignee.</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:token">
                <xs:enumeration value="WLT">
                  <xs:annotation>
                    <xs:documentation>Wagon load transport form to be used for
print-out.</xs:documentation>
                  </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="CT">
                  <xs:annotation>
                    <xs:documentation>Combined traffic form to be used for
print-out.</xs:documentation>
                  </xs:annotation>
                </xs:enumeration>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="Intermodal" minOccurs="0">
            <xs:simpleType>
              <xs:restriction base="xs:byte">
                <xs:pattern value="0|1"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="ChangeLog" minOccurs="0" maxOccurs="100">
            <xs:annotation>
              <xs:documentation>Log of changes made by the LeadRU / contractual
carrier during the transport.</xs:documentation>
            </xs:annotation>
            <xs:complexType>
```

```
                <xs:sequence>
                  <xs:element name="DateTime">
                    <xs:annotation>
                      <xs:documentation>DateTime, when the changes were
applied.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:dateTime"/>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="NumberOfModifiedVersion">
                    <xs:annotation>
                      <xs:documentation>Version number of the modified message (as
also written into COMHeader/COMVersionNumber).</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:int"/>
                    </xs:simpleType>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="COM">
        <xs:annotation>
          <xs:documentation>Consignment order message</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="AcceptancePoint">
              <xs:annotation>
                <xs:documentation>Description of location and time for the take over
of the consignment</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element ref="Station"/>
                  <xs:element ref="RP_Code" minOccurs="0"/>
                  <xs:element ref="ProductionStation" minOccurs="0"/>
                  <xs:element name="AcceptanceDate" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Date and time (month, day and hour) at which
the goods were accepted. </xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:dateTime"/>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="ConsignmentNumber">
                    <xs:annotation>
                      <xs:documentation>Running number and check digit of the
consignment between Lead RU and customer. Format: NNNNNC The number consists of NNNNN
= running number C = check digit, </xs:documentation>
```

```
                      </xs:annotation>
                      <xs:simpleType>
                        <xs:restriction base="xs:string">
                          <xs:length value="6"/>
                          <xs:pattern value="\d*[1-9]\d*"/>
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                    <xs:element name="ForwardingTrainNumber" minOccurs="0">
                      <xs:annotation>
                        <xs:documentation>Train number at shipping
</xs:documentation>
                      </xs:annotation>
                      <xs:simpleType>
                        <xs:restriction base="xs:string">
                          <xs:minLength value="1"/>
                          <xs:maxLength value="6"/>
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                    <xs:element name="CarrierCode" type="CompanyCode">
                      <xs:annotation>
                        <xs:documentation>Code of the shipping carrier mentioned in
the consignment number.</xs:documentation>
                      </xs:annotation>
                    </xs:element>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
              <xs:element name="DeliveryPoint">
                <xs:annotation>
                  <xs:documentation>Description of location and time for the hand over
of the consignment</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:sequence>
                    <xs:element ref="Station"/>
                    <xs:element ref="RP_Code" minOccurs="0"/>
                    <xs:element ref="ProductionStation" minOccurs="0"/>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
              <xs:element ref="Customers" minOccurs="2" maxOccurs="4">
                <xs:annotation>
                  <xs:documentation>Information about the consignor, consignee and
freight payers. At least information about consignor and consignee has to be
given</xs:documentation>
                </xs:annotation>
              </xs:element>
              <xs:element name="ConsignorDeclarations" minOccurs="0"
maxOccurs="10">
                <xs:annotation>
                  <xs:documentation>Consignors declarartions, this element contains
either declarations of the original consignor or declarations of the LeadRU as
consignor</xs:documentation>
```

```
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element ref="ConsignorDeclarationCode"/>
                  <xs:element ref="DeclarationText" minOccurs="0"/>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element name="GeneralInformation" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Genearal information about the complete
consignment</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="ConsignorReference" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Consignor's reference concerning the
complete consignment</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:minLength value="1"/>
                        <xs:maxLength value="35"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="InformationConsignee" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Information from the consignor to the
consignee relating to the consignment. This information is not to commit the
carrier.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:minLength value="1"/>
                        <xs:maxLength value="350"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="WagonGroupInfo" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Consignor information regarding the whole
consignment. Comparable with the element WagonInfo, but for all
wagons.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:maxLength value="500"/>
                        <xs:minLength value="1"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
```

```
            </xs:element>
            <xs:element name="AttachedDocuments" minOccurs="0" maxOccurs="10">
              <xs:annotation>
                <xs:documentation>Paper documents accompanying the
transport</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="DocumentType">
                    <xs:annotation>
                      <xs:documentation>Type code of attached document. The
UN/DIFACT 1001 list of codes is to be used to code accompanying
documents.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:int">
                        <xs:minInclusive value="1"/>
                        <xs:maxInclusive value="999"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="DocumentInformation" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Additional information regarding the
attached document may be entered here.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:minLength value="1"/>
                        <xs:maxLength value="35"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element ref="Quantity" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Amount of the documents of the specified
type.</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="DocumentTypeDescription" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Description of document type, when it is
not in the UN/EDIFACT 1001 list included.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:minLength value="1"/>
                        <xs:maxLength value="35"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="Filename" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Filename of embedded pdf in legacy
system</xs:documentation>
```

```
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:maxLength value="35"/>
                        <xs:minLength value="1"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element ref="StatusOfDocument" minOccurs="0"/>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element name="CommercialSpecifications" minOccurs="0"
maxOccurs="5">
              <xs:annotation>
                <xs:documentation>Commercial Specification</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element ref="CommercialSpecificationCode"/>
                  <xs:element name="SpecificationText" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Additional Text for codes with free
text</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:minLength value="1"/>
                        <xs:maxLength value="350"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="CarrierCode" type="CompanyCode" minOccurs="0"
maxOccurs="10">
                    <xs:annotation>
                      <xs:documentation>additional carrier code belonging to the
given contract number</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="ContractNumber" minOccurs="0" maxOccurs="10">
                    <xs:annotation>
                      <xs:documentation>additional contract number according to
the given carrier code.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:minLength value="1">
                          <xs:annotation>
                            <xs:documentation>has to be sent as n6 (with leading
zeros if necessary)</xs:documentation>
                          </xs:annotation>
                        </xs:minLength>
                        <xs:maxLength value="6"/>
                      </xs:restriction>
                    </xs:simpleType>
```

```
                    </xs:element>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
              <xs:element name="PrepaymentInstructions">
                <xs:annotation>
                  <xs:documentation>Prepayment</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:sequence>
                    <xs:element name="PrepaymentCustomer" minOccurs="0">
                      <xs:annotation>
                        <xs:documentation>Prepaidcode (given by the
client)</xs:documentation>
                      </xs:annotation>
                      <xs:complexType>
                        <xs:choice>
                          <xs:element ref="PrepaidCodeCustomer"/>
                          <xs:element ref="IncotermCode"/>
                        </xs:choice>
                      </xs:complexType>
                    </xs:element>
                    <xs:element ref="PrepaidcodeCarrier"/>
                    <xs:element name="PaidUpTo" minOccurs="0">
                      <xs:annotation>
                        <xs:documentation>Charges Paid Up To ... This information is
being sent by the consignor in agreement with the contractual carrier so only one
structure is needed for field 20 and 49. The carrier is only allowed to apply changes,
when ordered by the consignor.</xs:documentation>
                      </xs:annotation>
                      <xs:complexType>
                        <xs:complexContent>
                          <xs:extension base="LocationIdent"/>
                        </xs:complexContent>
                      </xs:complexType>
                    </xs:element>
                    <xs:element name="AdditionalCharges" minOccurs="0"
maxOccurs="5">
                      <xs:annotation>
                        <xs:documentation>Additional Charges</xs:documentation>
                      </xs:annotation>
                      <xs:complexType>
                        <xs:sequence>
                          <xs:element name="Code">
                            <xs:annotation>
                              <xs:documentation>Additional charges code according
CIT GLV-CIM appendix 3</xs:documentation>
                            </xs:annotation>
                            <xs:simpleType>
                              <xs:restriction base="xs:string">
                                <xs:length value="2"/>
                                <xs:pattern value="\d*[1-9]\d*"/>
                              </xs:restriction>
                            </xs:simpleType>
                          </xs:element>
```

```
                        <xs:element name="Description" minOccurs="0">
                          <xs:annotation>
                            <xs:documentation>Additional charges
description</xs:documentation>
                          </xs:annotation>
                          <xs:simpleType>
                            <xs:restriction base="xs:string">
                              <xs:minLength value="1"/>
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tariff</xs:documentation>
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agreement.</xs:documentation>
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zeros if necessary)</xs:documentation>
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                        <xs:maxLength value="6"/>
```

```
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                      <xs:documentation>Sectional Invoicing</xs:documentation>
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                    <xs:complexType>
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type="CompanyCode">
                          <xs:annotation>
                            <xs:documentation>Sectional invoicing
by</xs:documentation>
                          </xs:annotation>
                        </xs:element>
                        <xs:element name="InvoicedSection">
                          <xs:annotation>
                            <xs:documentation>Information about the section to be
invoiced.</xs:documentation>
                          </xs:annotation>
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type="CountryIdentISO">
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country</xs:documentation>
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                              <xs:element name="SectionCarrierCode"
type="CompanyCode">
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carrier</xs:documentation>
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code when the value exceeds the limit given in CIM Article 30 section
2.</xs:documentation>
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                      <xs:documentation>Amount</xs:documentation>
                    </xs:annotation>
                  </xs:element>
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                      <xs:documentation>Currency abbreviation (ISO-4217
alphanumeric)</xs:documentation>
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special interest in delivery.</xs:documentation>
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                    <xs:annotation>
                      <xs:documentation>Amount</xs:documentation>
                    </xs:annotation>
                  </xs:element>
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                    <xs:annotation>
                      <xs:documentation>Currency abbreviation (ISO-4217
alphanumeric)</xs:documentation>
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and the currency code.</xs:documentation>
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                      <xs:documentation>Currency abbreviation (ISO-4217
alphanumeric)</xs:documentation>
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complete routing of the consignment, the LeadRu  decides wether to provide this
information or not</xs:documentation>
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              <xs:complexType>
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                      <xs:documentation>Position of the route section in transport
chain. Used to determine the exact way of the transport for customs
purposes.</xs:documentation>
                    </xs:annotation>
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                  <xs:sequence>
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                        <xs:documentation>Route code (International
RouteCode)</xs:documentation>
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section</xs:documentation>
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procedures. </xs:documentation>
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              <xs:complexType>
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(STP).</xs:documentation>
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RU</xs:documentation>
                    </xs:annotation>
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surveillance</xs:documentation>
                    </xs:annotation>
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consignor/consignee authorised by customs. Data element in accordance with
Regulation (EC) 1875/2006).</xs:documentation>
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declaration.</xs:documentation>
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declaration.</xs:documentation>
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point given by the consignor.</xs:documentation>
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in structure AcceptancePoint.</xs:documentation>
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Code)</xs:documentation>
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carrier in charge.</xs:documentation>
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carrier.</xs:documentation>
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Code)</xs:documentation>
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carrier. This can be a station OR a border crossing point.</xs:documentation>
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carrier. This can be a station OR a border crossing point.</xs:documentation>
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responsible and the operating carrier</xs:documentation>
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```

```
zeros if necessary)</xs:documentation>
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</xs:documentation>
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carrier</xs:documentation>
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(Railway Code).</xs:documentation>
                    </xs:annotation>
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carrier</xs:documentation>
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carrier.</xs:documentation>
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                        <xs:documentation>Name of street of the
carrier</xs:documentation>
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                        <xs:documentation>Postal Code</xs:documentation>
                      </xs:annotation>
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                        <xs:documentation>City/Town</xs:documentation>
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minOccurs="0">
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                        <xs:documentation>Country Code (ISO
Code)</xs:documentation>
                      </xs:annotation>
                    </xs:element>
                    <xs:element name="Signature" minOccurs="0">
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missing, the shipment number (CIM: 62) shall be used for signature
purposes.</xs:documentation>
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```
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                <xs:documentation>Made out</xs:documentation>
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made out</xs:documentation>
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out.</xs:documentation>
                    </xs:annotation>
                  </xs:element>
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                <xs:documentation>Charges note</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
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                  <xs:element name="DateOfReturn" type="xs:date" minOccurs="0">
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                      <xs:documentation>Date, when the destination carrier sent the
charges note back to the contractual carrier.</xs:documentation>
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maxOccurs="30">
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9.</xs:documentation>
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extension.</xs:documentation>
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extension.</xs:documentation>
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                  <xs:element name="Ending">
                    <xs:annotation>
                      <xs:documentation>End of extension.</xs:documentation>
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section</xs:documentation>
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                  </xs:element>
                  <xs:element name="End" type="LocationIdent">
                    <xs:annotation>
                      <xs:documentation>End of the charging
section</xs:documentation>
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agreement or the tariff applied provide for it. </xs:documentation>
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entered in the charging section.</xs:documentation>
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                    </xs:element>
                    <xs:element name="Tariff" minOccurs="0">
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                        <xs:documentation>Freight Charges Section
Tariff</xs:documentation>
                      </xs:annotation>
                      <xs:complexType>
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                              <xs:documentation>NHM code determining the charges
applicable.</xs:documentation>
                            </xs:annotation>
                          </xs:element>
                          <xs:element name="TariffNumber">
                            <xs:annotation>
                              <xs:documentation>Customer agreement or tariff
applied</xs:documentation>
                            </xs:annotation>
                            <xs:simpleType>
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                                <xs:minLength value="1"/>
                                <xs:maxLength value="6"/>
                              </xs:restriction>
                            </xs:simpleType>
                          </xs:element>
                          <xs:element name="ChargedMass" minOccurs="0">
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                              <xs:documentation>Charged mass [weight in kg]. As
appropriate, area in m² or the volume of the wagon or goods in m³ if used as the basis
for charging.</xs:documentation>
                            </xs:annotation>
                            <xs:complexType>
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                            <xs:documentation>Exchange rate for amounts to be paid
by the consignor or consignee which are not expressed in the invoicing
currency.</xs:documentation>
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                          <xs:simpleType>
                            <xs:restriction base="xs:decimal">
                              <xs:totalDigits value="18"/>
                              <xs:fractionDigits value="3"/>
                            </xs:restriction>
                          </xs:simpleType>
                        </xs:element>
                        <xs:element name="Distance" minOccurs="0">
                          <xs:annotation>
                            <xs:documentation>Tariff distance, expressed in km or
zones, between the stations or points corresponding to the beginning and end of the
charging section.</xs:documentation>
                          </xs:annotation>
                          <xs:complexType>
                            <xs:choice>
                              <xs:element name="KM">
                                <xs:annotation>
                                  <xs:documentation>Tariff distance, expressed in
km, between the stations or points corresponding to the beginning and end of the
charging section.</xs:documentation>
                                </xs:annotation>
                                <xs:simpleType>
                                  <xs:restriction base="xs:int">
                                    <xs:minInclusive value="1"/>
                                    <xs:maxInclusive value="99999"/>
                                  </xs:restriction>
                                </xs:simpleType>
                              </xs:element>
                              <xs:element name="Zones">
                                <xs:annotation>
                                  <xs:documentation>Tariff distance, expressed in
zones, between the stations or points corresponding to the beginning and end of the
```

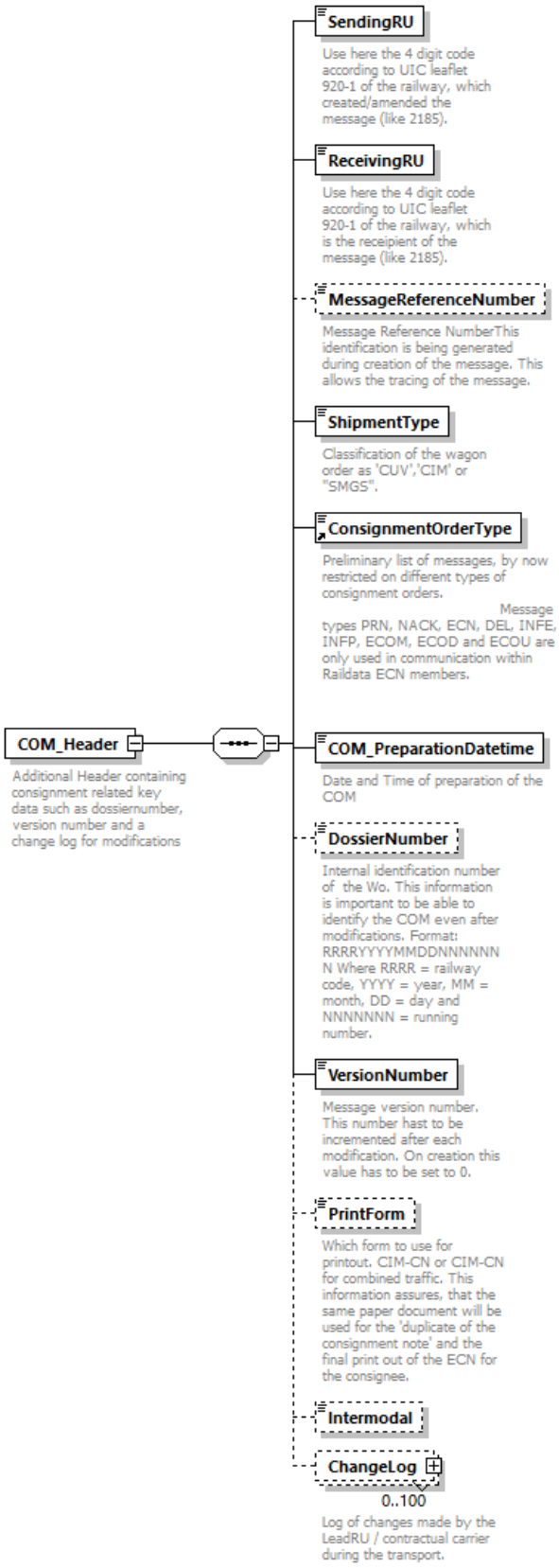
```
charging section.</xs:documentation>
                                  </xs:annotation>
                                  <xs:simpleType>
                                    <xs:restriction base="xs:int">
                                      <xs:minInclusive value="1"/>
                                      <xs:maxInclusive value="99"/>
                                    </xs:restriction>
                                  </xs:simpleType>
                                </xs:element>
                              </xs:choice>
                            </xs:complexType>
                          </xs:element>
                          <xs:element name="Fee" minOccurs="0">
                            <xs:annotation>
                              <xs:documentation>Supplements, fees,
deductions</xs:documentation>
                            </xs:annotation>
                            <xs:simpleType>
                              <xs:restriction base="xs:int">
                                <xs:totalDigits value="4"/>
                                <xs:minInclusive value="1"/>
                              </xs:restriction>
                            </xs:simpleType>
                          </xs:element>
                          <xs:element name="FreightCharges" minOccurs="0">
                            <xs:annotation>
                              <xs:documentation>Freight Charges (paid and
due)</xs:documentation>
                            </xs:annotation>
                            <xs:complexType>
                              <xs:choice>
                                <xs:element name="Prepaid" type="Money_Type">
                                  <xs:annotation>
                                    <xs:documentation>Carriage charges to be paid by
the consignor in the tariff currency.</xs:documentation>
                                  </xs:annotation>
                                </xs:element>
                                <xs:element name="Transferred" type="Money_Type">
                                  <xs:annotation>
                                    <xs:documentation>Carriage charges to be paid by
the consignee in the tariff currency.</xs:documentation>
                                  </xs:annotation>
                                </xs:element>
                              </xs:choice>
                            </xs:complexType>
                          </xs:element>
                        </xs:sequence>
                      </xs:complexType>
                    </xs:element>
                    <xs:element name="AdditionalCharges" minOccurs="0"
maxOccurs="10">
                      <xs:annotation>
                        <xs:documentation/>
                        <xs:documentation>Sum of Prepaid</xs:documentation>
                        <xs:documentation>Sum of Transferred</xs:documentation>
```

```
                    </xs:annotation>
                    <xs:complexType>
                      <xs:sequence>
                        <xs:element name="Code">
                          <xs:annotation>
                            <xs:documentation>Additional charges
code</xs:documentation>
                          </xs:annotation>
                          <xs:simpleType>
                            <xs:restriction base="xs:string">
                              <xs:minLength value="1"/>
                              <xs:maxLength value="2"/>
                            </xs:restriction>
                          </xs:simpleType>
                        </xs:element>
                        <xs:choice>
                          <xs:element name="Prepaid" type="Money_Type">
                            <xs:annotation>
                              <xs:documentation>Prepaid</xs:documentation>
                            </xs:annotation>
                          </xs:element>
                          <xs:element name="Transferred" type="Money_Type">
                            <xs:annotation>
                              <xs:documentation>Transferred</xs:documentation>
                            </xs:annotation>
                          </xs:element>
                        </xs:choice>
                      </xs:sequence>
                    </xs:complexType>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element ref="Wagons" minOccurs="0" maxOccurs="99">
              <xs:annotation>
                <xs:documentation>Contains list of transported Goods, Wagons and
ITU etc.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="WagonPreviousNumberFreight" minOccurs="0"
maxOccurs="20">
              <xs:annotation>
                <xs:documentation>Identifies the previous freight wagon if a
shipment or Intermodal unit has changed the wagon during its
journey</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="WagonIdent">
                  <xs:length value="12"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element ref="AgreedTimeOfDelivery" minOccurs="0">
              <xs:annotation>
                <xs:documentation>The requested Date and Time for the delivery of
```

	a wagon/Shipment or Intermodal units at customer sidings</ xs:documentation> </ xs:annotation> </ xs:element> </ xs:sequence> </ xs:complexType> </ xs:element> </ xs:sequence> </ xs:complexType> </ xs:element>

element **ConsignmentOrderMessage/COMS/COM_Header**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**SendingRU** **ReceivingRU** **MessageReferenceNumber** **ShipmentType** **ConsignmentOrderType** **COM_PreparationDatetime** **DossierNumber** **VersionNumber** **PrintForm** **Intermodal** **ChangeLog**
annotation	documentation Additional Header containing consignment related key data such as dossiernumber, version number and a change log for modifications

source

```
<xs:element name="COM_Header">
  <xs:annotation>
    <xs:documentation>Additional Header containing consignment related key data
such as dossiernumber, version number and a change log for
modifications</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="SendingRU" type="CompanyCode">
        <xs:annotation>
          <xs:documentation>Use here the 4 digit code according to UIC leaflet 920-1
of the railway, which created/amended the message (like 2185).</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="ReceivingRU" type="CompanyCode">
        <xs:annotation>
          <xs:documentation>Use here the 4 digit code according to UIC leaflet 920-1
of the railway, which is the receipient of the message (like
2185).</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="MessageReferenceNumber" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Message Reference NumberThis identification is being
generated during creation of the message. This allows the tracing of the
message.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="18">
              <xs:annotation>
                <xs:documentation>Use here a counter, any
system.</xs:documentation>
              </xs:annotation>
            </xs:maxLength>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ShipmentType">
        <xs:annotation>
          <xs:documentation>Classification of the wagon order as 'CUV','CIM' or
"SMGS".</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:token">
```

```
            <xs:enumeration value="CIM">
              <xs:annotation>
                <xs:documentation>Regular transport, according in basic to the CIM
consignment note.</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="CUV">
              <xs:annotation>
                <xs:documentation>Transport of empty wagons. If loaded and empty
wagons are withing the same shipment, then the ShipmentType has to be set to CIM.
For the empty wagons the loading status has to be set in the
WagonDetails.</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="SMGS"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="ConsignmentOrderType"/>
      <xs:element name="COM_PreparationDatetime">
        <xs:annotation>
          <xs:documentation>Date and Time of preparation of the
COM</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:dateTime"/>
        </xs:simpleType>
      </xs:element>
      <xs:element name="DossierNumber" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Internal identification number of  the Wo. This
information is important to be able to identify the COM even after modifications.
Format: RRRRYYYYMMDDNNNNNNN Where RRRR = railway code, YYYY = year, MM = month, DD
= day and NNNNNNN = running number.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:length value="19"/>
            <xs:pattern value="\d{4}20\d{2}[0-1][0-9][0-3]\d{8}"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="VersionNumber">
        <xs:annotation>
          <xs:documentation>Message version number. This number hast to be
incremented after each modification. On creation this value has to be set to
0.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:int">
            <xs:minInclusive value="0"/>
            <xs:maxInclusive value="100"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
```

```
      <xs:element name="PrintForm" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Which form to use for printout. CIM-CN or CIM-CN for
combined traffic. This information assures, that the same paper document will be used
for the 'duplicate of the consignment note' and the final print out of the ECN for
the consignee.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:token">
            <xs:enumeration value="WLT">
              <xs:annotation>
                <xs:documentation>Wagon load transport form to be used for
print-out.</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="CT">
              <xs:annotation>
                <xs:documentation>Combined traffic form to be used for
print-out.</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="Intermodal" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:byte">
            <xs:pattern value="0|1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ChangeLog" minOccurs="0" maxOccurs="100">
        <xs:annotation>
          <xs:documentation>Log of changes made by the LeadRU / contractual carrier
during the transport.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="DateTime">
              <xs:annotation>
                <xs:documentation>DateTime, when the changes were
applied.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:dateTime"/>
              </xs:simpleType>
            </xs:element>
            <xs:element name="NumberOfModifiedVersion">
              <xs:annotation>
                <xs:documentation>Version number of the modified message (as also
written into COMHeader/COMVersionNumber).</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:int"/>
              </xs:simpleType>
```

```
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM_Header/SendingRU**

diagram	SendingRU Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which created/amended the message (like 2185).
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
facets	Kind / Value / Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which created/amended the message (like 2185).

source	`<xs:element name="SendingRU" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which created/amended the message (like 2185).</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM_Header/ReceivingRU**

diagram	ReceivingRU Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which is the receipient of the message (like 2185).
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
facets	Kind / Value / Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}

annotation	documentation Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which is the receipient of the message (like 2185).

source	`<xs:element name="ReceivingRU" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which is the receipient of the message (like 2185).</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM_Header/MessageReferenceNumber**

diagram	**MessageReferenceNumber** Message Reference NumberThis identification is being generated during creation of the message. This allows the tracing of the message.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation minLength 1 maxLength 18 — documentation: Use here a counter, any system.
annotation	documentation Message Reference NumberThis identification is being generated during creation of the message. This allows the tracing of the message.

source	`<xs:element name="MessageReferenceNumber" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Message Reference NumberThis identification is being generated during creation of the message. This allows the tracing of the message.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="18">`
	`  <xs:annotation>`
	`  <xs:documentation>Use here a counter, any system.</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:maxLength>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM_Header/ShipmentType**

diagram	**ShipmentType** Classification of the wagon order as 'CUV','CIM' or "SMGS".
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
facets	Kind / Value / Annotation enumeration CIM — documentation: Regular transport, according in basic to the CIM consignment note. enumeration CUV — documentation: Transport of empty wagons. If loaded and empty wagons are withing the same shipment, then the ShipmentType has to be set to CIM. For the empty wagons the loading status has to be set in the WagonDetails. enumeration SMGS
annotation	documentation Classification of the wagon order as 'CUV','CIM' or "SMGS".

source

```
<xs:element name="ShipmentType">
  <xs:annotation>
    <xs:documentation>Classification of the wagon order as 'CUV','CIM' or
"SMGS".</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="CIM">
        <xs:annotation>
          <xs:documentation>Regular transport, according in basic to the CIM
consignment note.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="CUV">
        <xs:annotation>
          <xs:documentation>Transport of empty wagons. If loaded and empty wagons
are withing the same shipment, then the ShipmentType has to be set to CIM. For the
empty wagons the loading status has to be set in the WagonDetails.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="SMGS"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM_Header/COM_PreparationDatetime**

diagram	**COM_PreparationDatetime** Date and Time of preparation of the COM
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	restriction of **xs:dateTime**
properties	content simple
annotation	documentation Date and Time of preparation of the COM

source	`<xs:element name="COM_PreparationDatetime">`
	`  <xs:annotation>`
	`  <xs:documentation>Date and Time of preparation of the COM</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:dateTime"/>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM_Header/DossierNumber**

diagram	**DossierNumber** Internal identification number of the Wo. This information is important to be able to identify the COM even after modifications. Format: RRRRYYYYMMDDNNNNNNN Where RRRR = railway code, YYYY = year, MM = month, DD = day and NNNNNNN = running number.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation length 19 pattern \d{4}20\d{2}[0-1][0-9][0-3]\d{8}
annotation	documentation Internal identification number of the Wo. This information is important to be able to identify the COM even after modifications. Format: RRRRYYYYMMDDNNNNNNN Where RRRR = railway code, YYYY = year, MM = month, DD = day and NNNNNNN = running number.

source	`<xs:element name="DossierNumber" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Internal identification number of the Wo. This information is important to be able to identify the COM even after modifications. Format: RRRRYYYYMMDDNNNNNNN Where RRRR = railway code, YYYY = year, MM = month, DD = day and NNNNNNN = running number.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:length value="19"/>`
	`  <xs:pattern value="\d{4}20\d{2}[0-1][0-9][0-3]\d{8}"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`

	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM_Header/VersionNumber**

diagram	**VersionNumber** Message version number. This number hast to be incremented after each modification. On creation this value has to be set to 0.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	content simple
facets	Kind Value Annotation minInclusive 0 maxInclusive 100
annotation	documentation Message version number. This number hast to be incremented after each modification. On creation this value has to be set to 0.

source	`<xs:element name="VersionNumber">`
	`  <xs:annotation>`
	`  <xs:documentation>Message version number. This number hast to be incremented after each modification. On creation this value has to be set to 0.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:int">`
	`  <xs:minInclusive value="0"/>`
	`  <xs:maxInclusive value="100"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM_Header/PrintForm**

diagram	**PrintForm** Which form to use for printout. CIM-CN or CIM-CN for combined traffic. This information assures, that the same paper document will be used for the 'duplicate of the consignment note' and the final print out of the ECN for the consignee.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	minOcc 0 maxOcc 1 content simple

facets	Kind / Value / Annotation enumeration / WLT / documentation Wagon load transport form to be used for print-out. enumeration / CT / documentation Combined traffic form to be used for print-out.
annotation	documentation Which form to use for printout. CIM-CN or CIM-CN for combined traffic. This information assures, that the same paper document will be used for the 'duplicate of the consignment note' and the final print out of the ECN for the consignee.

source

```
<xs:element name="PrintForm" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Which form to use for printout. CIM-CN or CIM-CN for combined
traffic. This information assures, that the same paper document will be used for the
'duplicate of the consignment note' and the final print out of the ECN for the
consignee.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="WLT">
        <xs:annotation>
          <xs:documentation>Wagon load transport form to be used for
print-out.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="CT">
        <xs:annotation>
          <xs:documentation>Combined traffic form to be used for
print-out.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

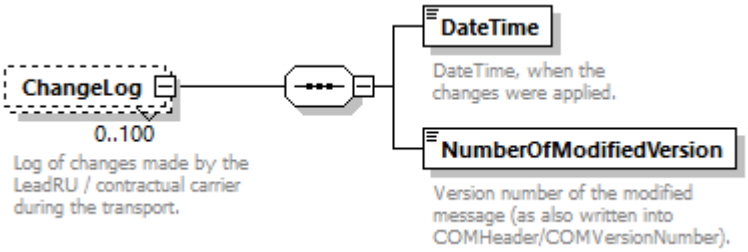
element **ConsignmentOrderMessage/COMS/COM_Header/Intermodal**

diagram	Intermodal
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:byte**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation pattern / 0|1

source

```
<xs:element name="Intermodal" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:byte">
      <xs:pattern value="0|1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM_Header/ChangeLog**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 100 content complex
children	**DateTime** **NumberOfModifiedVersion**
annotation	documentation Log of changes made by the LeadRU / contractual carrier during the transport.
source	

```
<xs:element name="ChangeLog" minOccurs="0" maxOccurs="100">
  <xs:annotation>
    <xs:documentation>Log of changes made by the LeadRU / contractual carrier during
the transport.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="DateTime">
        <xs:annotation>
          <xs:documentation>DateTime, when the changes were
applied.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:dateTime"/>
        </xs:simpleType>
      </xs:element>
      <xs:element name="NumberOfModifiedVersion">
        <xs:annotation>
          <xs:documentation>Version number of the modified message (as also written
into COMHeader/COMVersionNumber).</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:int"/>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM_Header/ChangeLog/DateTime**

diagram	**DateTime** DateTime, when the changes were applied.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:dateTime**
properties	content simple
annotation	documentation DateTime, when the changes were applied.

source	`<xs:element name="DateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>DateTime, when the changes were applied.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:dateTime"/>`
	`  </xs:simpleType>`
	`</xs:element>`

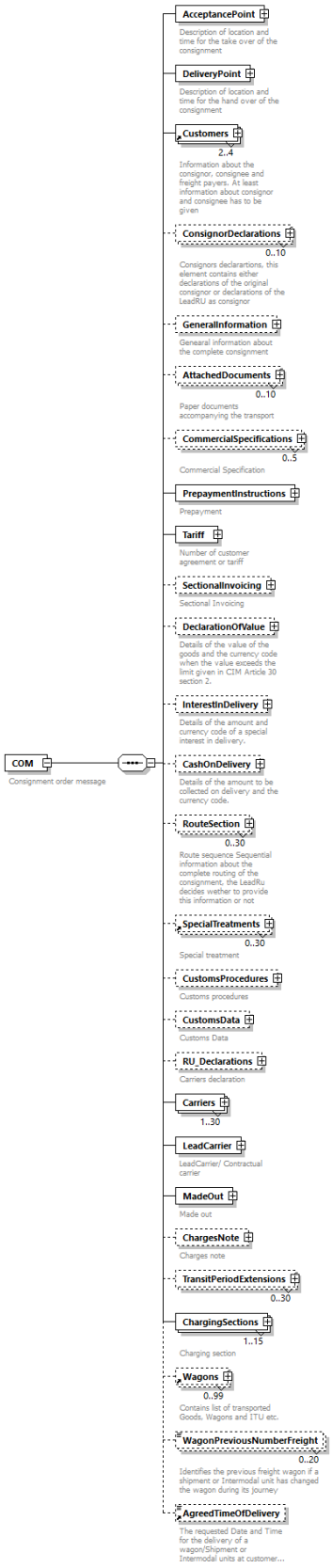
element **ConsignmentOrderMessage/COMS/COM_Header/ChangeLog/NumberOfModifiedVersion**

diagram	**NumberOfModifiedVersion** Version number of the modified message (as also written into COMHeader/COMVersionNumber).
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	content simple
annotation	documentation Version number of the modified message (as also written into COMHeader/COMVersionNumber).

source	`<xs:element name="NumberOfModifiedVersion">`
	`  <xs:annotation>`
	`  <xs:documentation>Version number of the modified message (as also written into COMHeader/COMVersionNumber).</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:int"/>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**AcceptancePoint** **DeliveryPoint** **Customers** **ConsignorDeclarations** **GeneralInformation** **AttachedDocuments** **CommercialSpecifications** **PrepaymentInstructions** **Tariff** **SectionalInvoicing** **DeclarationOfValue** **InterestInDelivery** **CashOnDelivery** **RouteSection** **SpecialTreatments** **CustomsProcedures** **CustomsData** **RU_Declarations** **Carriers** **LeadCarrier** **MadeOut** **ChargesNote** **TransitPeriodExtensions** **ChargingSections** **Wagons** **WagonPreviousNumberFreight** **AgreedTimeOfDelivery**
annotation	documentation Consignment order message

source

```
<xs:element name="COM">
  <xs:annotation>
    <xs:documentation>Consignment order message</xs:documentation>
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  <xs:complexType>
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          <xs:documentation>Description of location and time for the take over of
the consignment</xs:documentation>
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          <xs:sequence>
            <xs:element ref="Station"/>
            <xs:element ref="RP_Code" minOccurs="0"/>
            <xs:element ref="ProductionStation" minOccurs="0"/>
            <xs:element name="AcceptanceDate" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Date and time (month, day and hour) at which the
goods were accepted. </xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:dateTime"/>
              </xs:simpleType>
            </xs:element>
            <xs:element name="ConsignmentNumber">
              <xs:annotation>
                <xs:documentation>Running number and check digit of the consignment
between Lead RU and customer. Format: NNNNNC The number consists of NNNNN = running
number C = check digit, </xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
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            <xs:element name="ForwardingTrainNumber" minOccurs="0">
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                <xs:documentation>Train number at shipping </xs:documentation>
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                <xs:restriction base="xs:string">
```

```
                  <xs:minLength value="1"/>
                  <xs:maxLength value="6"/>
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            </xs:element>
            <xs:element name="CarrierCode" type="CompanyCode">
              <xs:annotation>
                <xs:documentation>Code of the shipping carrier mentioned in the
consignment number.</xs:documentation>
              </xs:annotation>
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      <xs:element name="DeliveryPoint">
        <xs:annotation>
          <xs:documentation>Description of location and time for the hand over of
the consignment</xs:documentation>
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            <xs:element ref="ProductionStation" minOccurs="0"/>
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      <xs:element ref="Customers" minOccurs="2" maxOccurs="4">
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          <xs:documentation>Information about the consignor, consignee and freight
payers. At least information about consignor and consignee has to be
given</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="ConsignorDeclarations" minOccurs="0" maxOccurs="10">
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          <xs:documentation>Consignors declarartions, this element contains either
declarations of the original consignor or declarations of the LeadRU as
consignor</xs:documentation>
        </xs:annotation>
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          <xs:sequence>
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consignment</xs:documentation>
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```

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              <xs:annotation>
                <xs:documentation>Consignor's reference concerning the complete
consignment</xs:documentation>
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            <xs:element name="InformationConsignee" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Information from the consignor to the consignee
relating to the consignment. This information is not to commit the
carrier.</xs:documentation>
              </xs:annotation>
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                </xs:restriction>
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consignment. Comparable with the element WagonInfo, but for all
wagons.</xs:documentation>
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          <xs:documentation>Paper documents accompanying the
transport</xs:documentation>
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                <xs:documentation>Type code of attached document. The UN/DIFACT
1001 list of codes is to be used to code accompanying documents.</xs:documentation>
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document may be entered here.</xs:documentation>
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                  <xs:documentation>Amount of the documents of the specified
type.</xs:documentation>
                </xs:annotation>
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              <xs:element name="DocumentTypeDescription" minOccurs="0">
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                  <xs:documentation>Description of document type, when it is not in
the UN/EDIFACT 1001 list included.</xs:documentation>
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                  <xs:documentation>Filename of embedded pdf in legacy
system</xs:documentation>
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            <xs:documentation>Commercial Specification</xs:documentation>
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          <sequence>
            <element ref="CommercialSpecificationCode"/>
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                <documentation>Additional Text for codes with free
text</documentation>
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                  <maxLength value="350"/>
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maxOccurs="10">
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                <documentation>additional carrier code belonging to the given
contract number</documentation>
              </annotation>
            </element>
            <element name="ContractNumber" minOccurs="0" maxOccurs="10">
              <annotation>
                <documentation>additional contract number according to the given
carrier code.</documentation>
              </annotation>
              <simpleType>
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                    <annotation>
                      <documentation>has to be sent as n6 (with leading zeros if
necessary)</documentation>
                    </annotation>
                  </minLength>
                  <maxLength value="6"/>
                </restriction>
              </simpleType>
            </element>
          </sequence>
        </complexType>
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      <element name="PrepaymentInstructions">
        <annotation>
          <documentation>Prepayment</documentation>
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        <complexType>
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                <documentation>Prepaidcode (given by the
client)</documentation>
              </annotation>
              <complexType>
                <choice>
                  <element ref="PrepaidCodeCustomer"/>
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                    <xs:element ref="IncotermCode"/>
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                </xs:complexType>
              </xs:element>
              <xs:element ref="PrepaidcodeCarrier"/>
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                <xs:annotation>
                  <xs:documentation>Charges Paid Up To ... This information is being
sent by the consignor in agreement with the contractual carrier so only one structure
is needed for field 20 and 49. The carrier is only allowed to apply changes, when
ordered by the consignor.</xs:documentation>
                </xs:annotation>
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                    <xs:extension base="LocationIdent"/>
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                </xs:complexType>
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                </xs:annotation>
                <xs:complexType>
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                        <xs:documentation>Additional charges code according CIT
GLV-CIM appendix 3</xs:documentation>
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description</xs:documentation>
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                          <xs:maxLength value="35"/>
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            </xs:sequence>
          </xs:complexType>
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        <xs:element name="Tariff">
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        <xs:annotation>
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tariff</xs:documentation>
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              <xs:annotation>
                <xs:documentation>Number of customer
agreement.</xs:documentation>
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              <xs:simpleType>
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                    <xs:annotation>
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necessary)</xs:documentation>
                    </xs:annotation>
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                  <xs:maxLength value="6"/>
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necessary, but without check digit)</xs:documentation>
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        </xs:complexType>
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                <xs:documentation>Sectional Invoicing</xs:documentation>
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```

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                    <xs:element name="InvoicingCarrierCode" type="CompanyCode">
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                        <xs:documentation>Sectional invoicing by</xs:documentation>
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                    <xs:element name="InvoicedSection">
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                        <xs:documentation>Information about the section to be
invoiced.</xs:documentation>
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country</xs:documentation>
                            </xs:annotation>
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                          <xs:element name="SectionCarrierCode" type="CompanyCode">
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                              <xs:documentation>Invoiced section specified by
carrier</xs:documentation>
                            </xs:annotation>
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        <xs:element name="DeclarationOfValue" minOccurs="0">
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when the value exceeds the limit given in CIM Article 30 section 2.</xs:documentation>
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                <xs:annotation>
                  <xs:documentation>Amount</xs:documentation>
                </xs:annotation>
              </xs:element>
              <xs:element name="CurrencyCode" type="CurrencyCode_Type">
                <xs:annotation>
                  <xs:documentation>Currency abbreviation (ISO-4217
alphanumeric)</xs:documentation>
                </xs:annotation>
              </xs:element>
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          </xs:complexType>
        </xs:element>
        <xs:element name="InterestInDelivery" minOccurs="0">
```

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interest in delivery.</xs:documentation>
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                <xs:documentation>Amount</xs:documentation>
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            <xs:element name="CurrencyCode" type="CurrencyCode_Type">
              <xs:annotation>
                <xs:documentation>Currency abbreviation (ISO-4217
alphanumeric)</xs:documentation>
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      <xs:element name="CashOnDelivery" minOccurs="0">
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the currency code.</xs:documentation>
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            <xs:element name="Amount" type="Money_Type">
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                <xs:documentation>Amount</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="CurrencyCode" type="CurrencyCode_Type">
              <xs:annotation>
                <xs:documentation>Currency abbreviation (ISO-4217
alphanumeric)</xs:documentation>
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        </xs:complexType>
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      <xs:element name="RouteSection" minOccurs="0" maxOccurs="30">
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          <xs:documentation>Route sequence Sequential information about the
complete routing of the consignment, the LeadRu  decides wether to provide this
information or not</xs:documentation>
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          <xs:sequence>
            <xs:element name="SequenceID" type="xs:int">
              <xs:annotation>
                <xs:documentation>Position of the route section in transport chain.
Used to determine the exact way of the transport for customs
purposes.</xs:documentation>
              </xs:annotation>
```

```
            </xs:element>
            <xs:sequence>
              <xs:element name="RouteCode">
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                  <xs:documentation>Route code (International
RouteCode)</xs:documentation>
                </xs:annotation>
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section</xs:documentation>
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      <xs:element ref="SpecialTreatments" minOccurs="0" maxOccurs="30"/>
      <xs:element name="CustomsProcedures" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Customs procedures</xs:documentation>
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            <xs:element ref="RU_Partner" minOccurs="0">
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                <xs:documentation>Code of the RU entrusted of customs procedures.
</xs:documentation>
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```

```
                <xs:documentation>Simplified transport procedure is used
(STP).</xs:documentation>
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              </xs:annotation>
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            <xs:element name="CustomsSurveillance">
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                <xs:documentation>Good under customs
surveillance</xs:documentation>
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                <xs:documentation>Reserved for endorsements by customs or a
consignor/consignee authorised by customs. Data element in accordance with
Regulation (EC) 1875/2006).</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
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                  <xs:maxLength value="350"/>
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        </xs:complexType>
      </xs:element>
      <xs:element name="RU_Declarations" minOccurs="0">
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          <xs:documentation>Carriers declaration</xs:documentation>
        </xs:annotation>
        <xs:complexType>
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            <xs:element name="RU_Declaration" minOccurs="0" maxOccurs="30">
              <xs:annotation>
                <xs:documentation>Details of the carriers
declaration.</xs:documentation>
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                  <xs:element name="DeclaringRU" type="CompanyCode">
                    <xs:annotation>
                      <xs:documentation>Code of carrier, who added the
declaration.</xs:documentation>
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```

```
                  </xs:element>
                  <xs:element ref="RU_DeclarationCode"/>
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                <xs:documentation>Details of the changes of the acceptance point
given by the consignor.</xs:documentation>
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type="LocationIdent" minOccurs="0">
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                      <xs:documentation>Variance of acceptance point given in
structure AcceptancePoint.</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="DifferentAcceptanceDate" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Variance of acceptance date given
structure AcceptancePoint.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
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                <xs:documentation>Railway Undertaking (Railway
Code)</xs:documentation>
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minOccurs="0">
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                <xs:documentation>Railway Undertaking (Railway Code) of the carrier
in charge.</xs:documentation>
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            <xs:element name="CarrierName" minOccurs="0">
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                <xs:documentation>Name of Carrier</xs:documentation>
```

```
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              <xs:documentation>Streetnumber of carrier.</xs:documentation>
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                <xs:maxLength value="5"/>
              </xs:restriction>
            </xs:simpleType>
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          <xs:element name="Street" minOccurs="0">
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              <xs:documentation>City/Town</xs:documentation>
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                <xs:maxLength value="35"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="CountryCode" type="CountryIdentISO" minOccurs="0">
            <xs:annotation>
              <xs:documentation>Country Code (ISO Code)</xs:documentation>
```

```
              </xs:annotation>
            </xs:element>
            <xs:element name="SectionFrom" type="LocationIdent">
              <xs:annotation>
                <xs:documentation>Start of section to be performed by the carrier.
This can be a station OR a border crossing point.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="SectionTo" type="LocationIdent">
              <xs:annotation>
                <xs:documentation>End of section to be performed by the carrier.
This can be a station OR a border crossing point.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="SubContractNumber_SplitContract" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Number of customer agreement between the
responsible and the operating carrier</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:minLength value="1">
                    <xs:annotation>
                      <xs:documentation>has to be sent as n6 (with leading zeros if
necessary)</xs:documentation>
                    </xs:annotation>
                  </xs:minLength>
                  <xs:maxLength value="6"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
          <xs:attribute name="sequenceID" type="xs:int">
            <xs:annotation>
              <xs:documentation>Position of carrier during transport.
</xs:documentation>
            </xs:annotation>
          </xs:attribute>
        </xs:complexType>
      </xs:element>
      <xs:element name="LeadCarrier">
        <xs:annotation>
          <xs:documentation>LeadCarrier/ Contractual carrier</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="CarrierCode" type="CompanyCode">
              <xs:annotation>
                <xs:documentation>Contractual carrier, railway undertaking
(Railway Code).</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="CarrierName" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Name of contractual carrier</xs:documentation>
```

```
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:minLength value="1"/>
                <xs:maxLength value="35"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="StreetNumber" minOccurs="0">
            <xs:annotation>
              <xs:documentation>Streetnumber of carrier.</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:minLength value="1"/>
                <xs:maxLength value="5"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="Street" minOccurs="0">
            <xs:annotation>
              <xs:documentation>Name of street of the carrier</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:minLength value="1"/>
                <xs:maxLength value="35"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="ZIPCode" minOccurs="0">
            <xs:annotation>
              <xs:documentation>Postal Code</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:minLength value="1"/>
                <xs:maxLength value="9"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="City" minOccurs="0">
            <xs:annotation>
              <xs:documentation>City/Town</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:minLength value="1"/>
                <xs:maxLength value="35"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="CountryCode" type="CountryIdentISO" minOccurs="0">
            <xs:annotation>
              <xs:documentation>Country Code (ISO Code)</xs:documentation>
```

```
              </xs:annotation>
            </xs:element>
            <xs:element name="Signature" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Signature of the contractual carrier. When
missing, the shipment number (CIM: 62) shall be used for signature
purposes.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:minLength value="1"/>
                  <xs:maxLength value="35"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="MadeOut">
        <xs:annotation>
          <xs:documentation>Made out</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Place">
              <xs:annotation>
                <xs:documentation>Place on which the consignment note was made
out</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="35"/>
                  <xs:minLength value="1"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="Date" type="xs:date">
              <xs:annotation>
                <xs:documentation>Date at which the consignment note was made
out.</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="ChargesNote" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Charges note</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="ChargesNoteAvailable" type="xs:boolean"/>
            <xs:element name="DateOfReturn" type="xs:date" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Date, when the destination carrier sent the
```

```
charges note back to the contractual carrier.</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="TransitPeriodExtensions" minOccurs="0" maxOccurs="30">
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="CodeOfCause"/>
            <xs:element name="Description" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Description for CodeOfCause no.
9.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:minLength value="1"/>
                  <xs:maxLength value="180"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="Place">
              <xs:annotation>
                <xs:documentation>Place of the extension.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:minLength value="1"/>
                  <xs:maxLength value="180"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="Beginning">
              <xs:annotation>
                <xs:documentation>Beginning of the extension.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:dateTime"/>
              </xs:simpleType>
            </xs:element>
            <xs:element name="Ending">
              <xs:annotation>
                <xs:documentation>End of extension.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:dateTime"/>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="ChargingSections" maxOccurs="15">
        <xs:annotation>
          <xs:documentation>Charging section</xs:documentation>
```

```
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Start" type="LocationIdent">
              <xs:annotation>
                <xs:documentation>Start of the charging section</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="End" type="LocationIdent">
              <xs:annotation>
                <xs:documentation>End of the charging section</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="CommercialRouteCode" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Route code (RIP) when the customer agreement or
the tariff applied provide for it. </xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:length value="3"/>
                  <xs:pattern value="\d*[1-9]\d*"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="CurrencyCode" type="CurrencyCode_Type">
              <xs:annotation>
                <xs:documentation>Code for the currency of the amounts entered in
the charging section.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="Tariff" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Freight Charges Section
Tariff</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="NHMCode" type="NHMCodeType">
                    <xs:annotation>
                      <xs:documentation>NHM code determining the charges
applicable.</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="TariffNumber">
                    <xs:annotation>
                      <xs:documentation>Customer agreement or tariff
applied</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:minLength value="1"/>
                        <xs:maxLength value="6"/>
                      </xs:restriction>
                    </xs:simpleType>
```

```
                    </xs:element>
                    <xs:element name="ChargedMass" minOccurs="0">
                      <xs:annotation>
                        <xs:documentation>Charged mass [weight in kg]. As
appropriate, area in m² or the volume of the wagon or goods in m³ if used as the basis
for charging.</xs:documentation>
                      </xs:annotation>
                      <xs:complexType>
                        <xs:sequence>
                          <xs:element name="value">
                            <xs:simpleType>
                              <xs:restriction base="xs:decimal">
                                <xs:minInclusive value="1"/>
                                <xs:totalDigits value="8"/>
                                <xs:fractionDigits value="1"/>
                              </xs:restriction>
                            </xs:simpleType>
                          </xs:element>
                          <xs:element name="measure" minOccurs="0">
                            <xs:simpleType>
                              <xs:restriction base="xs:token">
                                <xs:enumeration value="kg"/>
                                <xs:enumeration value="m2"/>
                                <xs:enumeration value="m3"/>
                              </xs:restriction>
                            </xs:simpleType>
                          </xs:element>
                        </xs:sequence>
                      </xs:complexType>
                    </xs:element>
                    <xs:element name="ExchangeRate" minOccurs="0">
                      <xs:annotation>
                        <xs:documentation>Exchange rate for amounts to be paid by the
consignor or consignee which are not expressed in the invoicing
currency.</xs:documentation>
                      </xs:annotation>
                      <xs:simpleType>
                        <xs:restriction base="xs:decimal">
                          <xs:totalDigits value="18"/>
                          <xs:fractionDigits value="3"/>
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                    <xs:element name="Distance" minOccurs="0">
                      <xs:annotation>
                        <xs:documentation>Tariff distance, expressed in km or zones,
between the stations or points corresponding to the beginning and end of the charging
section.</xs:documentation>
                      </xs:annotation>
                      <xs:complexType>
                        <xs:choice>
                          <xs:element name="KM">
                            <xs:annotation>
                              <xs:documentation>Tariff distance, expressed in km,
between the stations or points corresponding to the beginning and end of the charging
```

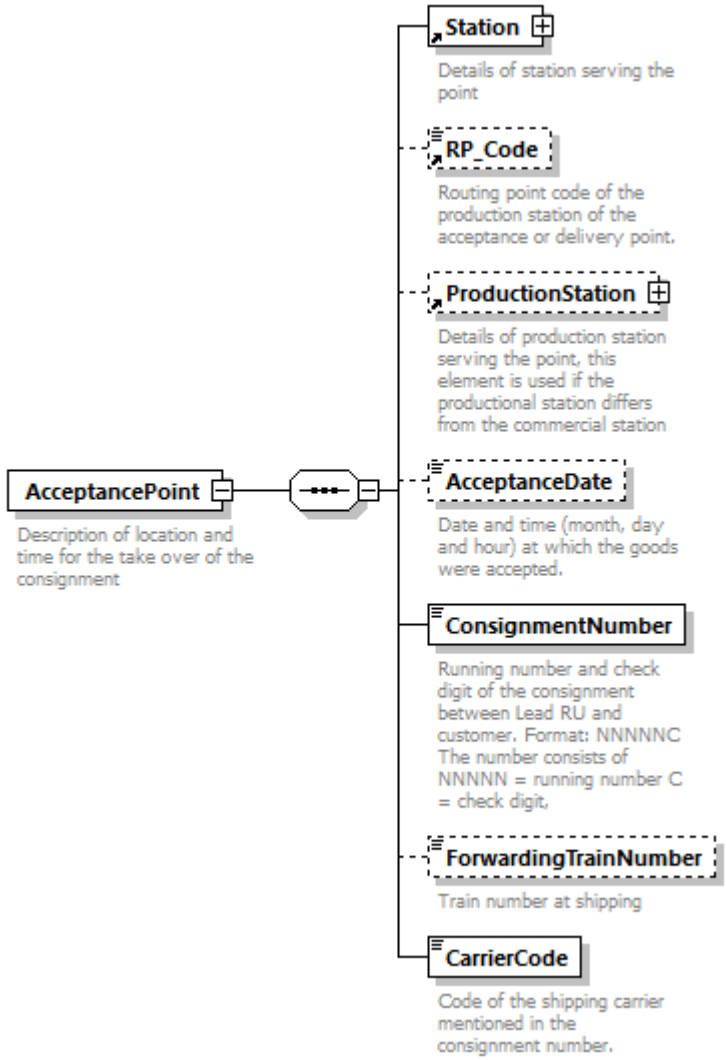
```
section.</xs:documentation>
                          </xs:annotation>
                          <xs:simpleType>
                            <xs:restriction base="xs:int">
                              <xs:minInclusive value="1"/>
                              <xs:maxInclusive value="99999"/>
                            </xs:restriction>
                          </xs:simpleType>
                        </xs:element>
                        <xs:element name="Zones">
                          <xs:annotation>
                            <xs:documentation>Tariff distance, expressed in zones,
between the stations or points corresponding to the beginning and end of the charging
section.</xs:documentation>
                          </xs:annotation>
                          <xs:simpleType>
                            <xs:restriction base="xs:int">
                              <xs:minInclusive value="1"/>
                              <xs:maxInclusive value="99"/>
                            </xs:restriction>
                          </xs:simpleType>
                        </xs:element>
                      </xs:choice>
                    </xs:complexType>
                  </xs:element>
                  <xs:element name="Fee" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Supplements, fees,
deductions</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:int">
                        <xs:totalDigits value="4"/>
                        <xs:minInclusive value="1"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="FreightCharges" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Freight Charges (paid and
due)</xs:documentation>
                    </xs:annotation>
                    <xs:complexType>
                      <xs:choice>
                        <xs:element name="Prepaid" type="Money_Type">
                          <xs:annotation>
                            <xs:documentation>Carriage charges to be paid by the
consignor in the tariff currency.</xs:documentation>
                          </xs:annotation>
                        </xs:element>
                        <xs:element name="Transferred" type="Money_Type">
                          <xs:annotation>
                            <xs:documentation>Carriage charges to be paid by the
consignee in the tariff currency.</xs:documentation>
                          </xs:annotation>
```

```
                        </xs:element>
                      </xs:choice>
                    </xs:complexType>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element name="AdditionalCharges" minOccurs="0" maxOccurs="10">
              <xs:annotation>
                <xs:documentation/>
                <xs:documentation>Sum of Prepaid</xs:documentation>
                <xs:documentation>Sum of Transferred</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="Code">
                    <xs:annotation>
                      <xs:documentation>Additional charges
code</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:minLength value="1"/>
                        <xs:maxLength value="2"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:choice>
                    <xs:element name="Prepaid" type="Money_Type">
                      <xs:annotation>
                        <xs:documentation>Prepaid</xs:documentation>
                      </xs:annotation>
                    </xs:element>
                    <xs:element name="Transferred" type="Money_Type">
                      <xs:annotation>
                        <xs:documentation>Transferred</xs:documentation>
                      </xs:annotation>
                    </xs:element>
                  </xs:choice>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element ref="Wagons" minOccurs="0" maxOccurs="99">
        <xs:annotation>
          <xs:documentation>Contains list of transported Goods, Wagons and ITU
etc.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="WagonPreviousNumberFreight" minOccurs="0" maxOccurs="20">
        <xs:annotation>
          <xs:documentation>Identifies the previous freight wagon if a shipment or
Intermodal unit has changed the wagon during its journey</xs:documentation>
```

```
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="WagonIdent">
            <xs:length value="12"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="AgreedTimeOfDelivery" minOccurs="0">
        <xs:annotation>
          <xs:documentation>The requested Date and Time for the delivery of a
wagon/Shipment or Intermodal units at customer sidings</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/AcceptancePoint**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Station** **RP_Code** **ProductionStation** **AcceptanceDate** **ConsignmentNumber** **ForwardingTrainNumber** **CarrierCode**
annotation	documentation Description of location and time for the take over of the consignment

source

```
<xs:element name="AcceptancePoint">
  <xs:annotation>
    <xs:documentation>Description of location and time for the take over of the
consignment</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Station"/>
      <xs:element ref="RP_Code" minOccurs="0"/>
      <xs:element ref="ProductionStation" minOccurs="0"/>
      <xs:element name="AcceptanceDate" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Date and time (month, day and hour) at which the goods
were accepted. </xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:dateTime"/>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ConsignmentNumber">
        <xs:annotation>
          <xs:documentation>Running number and check digit of the consignment
between Lead RU and customer. Format: NNNNNC The number consists of NNNNN = running
number C = check digit, </xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:length value="6"/>
            <xs:pattern value="\d*[1-9]\d*"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ForwardingTrainNumber" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Train number at shipping </xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="6"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="CarrierCode" type="CompanyCode">
        <xs:annotation>
          <xs:documentation>Code of the shipping carrier mentioned in the
consignment number.</xs:documentation>
        </xs:annotation>
```

```
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/AcceptancePoint/AcceptanceDate**

diagram	AcceptanceDate Date and time (month, day and hour) at which the goods were accepted.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:dateTime**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Date and time (month, day and hour) at which the goods were accepted.

source	`<xs:element name="AcceptanceDate" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Date and time (month, day and hour) at which the goods were accepted. </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:dateTime"/>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/AcceptancePoint/ConsignmentNumber**

diagram	ConsignmentNumber Running number and check digit of the consignment between Lead RU and customer. Format: NNNNNC The number consists of NNNNN = running number C = check digit,
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation length 6 pattern \d*[1-9]\d*
annotation	documentation Running number and check digit of the consignment between Lead RU and customer. Format: NNNNNC The number consists of NNNNN = running number C = check digit,
source	`<xs:element name="ConsignmentNumber">`

```
  <xs:annotation>
    <xs:documentation>Running number and check digit of the consignment between Lead
RU and customer. Format: NNNNNC The number consists of NNNNN = running number C =
check digit, </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:length value="6"/>
      <xs:pattern value="\d*[1-9]\d*"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/AcceptancePoint/ForwardingTrainNumber**

diagram	ForwardingTrainNumber Train number at shipping
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 6
annotation	documentation Train number at shipping

source

```
<xs:element name="ForwardingTrainNumber" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Train number at shipping </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="6"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

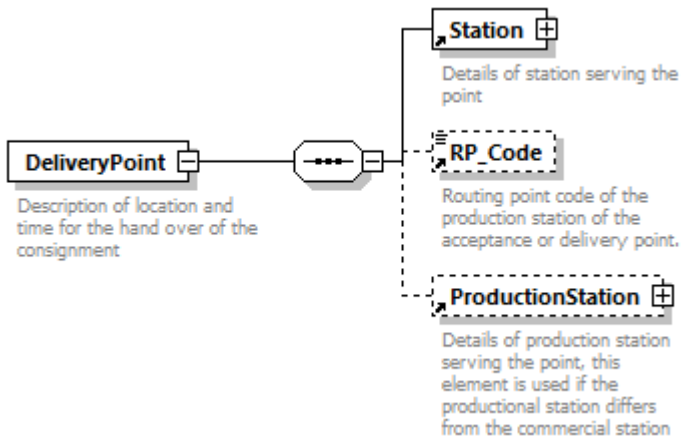
element **ConsignmentOrderMessage/COMS/COM/AcceptancePoint/CarrierCode**

diagram	CarrierCode Code of the shipping carrier mentioned in the consignment number.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**

properties	content simple
facets	Kind / Value / Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Code of the shipping carrier mentioned in the consignment number.

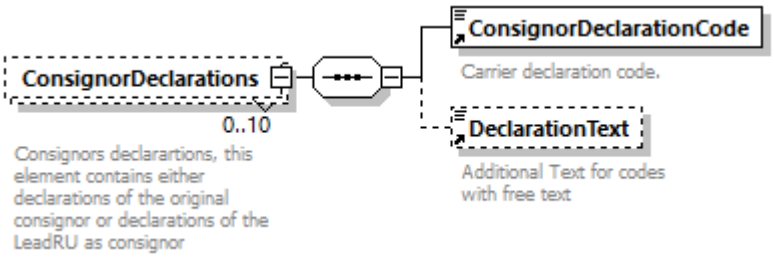
source	`<xs:element name="CarrierCode" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Code of the shipping carrier mentioned in the consignment number.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/DeliveryPoint**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Station** **RP_Code** **ProductionStation**
annotation	documentation Description of location and time for the hand over of the consignment

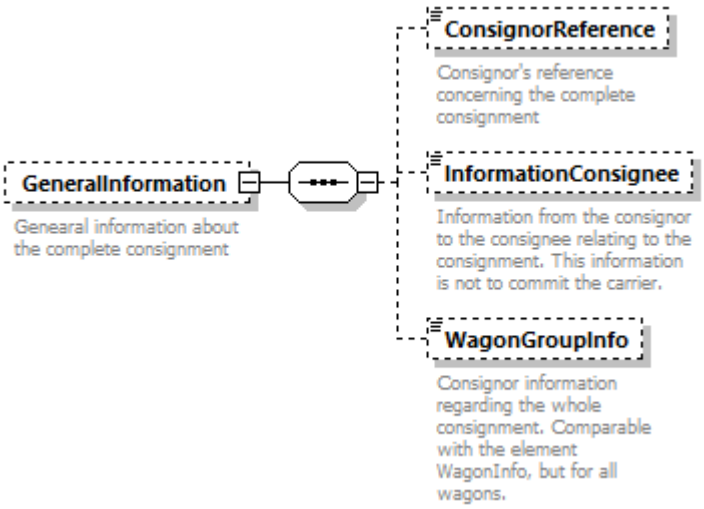
source	`<xs:element name="DeliveryPoint">`
	`  <xs:annotation>`
	`  <xs:documentation>Description of location and time for the hand over of the consignment</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Station"/>`
	`  <xs:element ref="RP_Code" minOccurs="0"/>`
	`  <xs:element ref="ProductionStation" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/ConsignorDeclarations**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 10 content complex
children	**ConsignorDeclarationCode** **DeclarationText**
annotation	documentation Consignors declarartions, this element contains either declarations of the original consignor or declarations of the LeadRU as consignor

source	`<xs:element name="ConsignorDeclarations" minOccurs="0" maxOccurs="10">`
	`  <xs:annotation>`
	`  <xs:documentation>Consignors declarartions, this element contains either declarations of the original consignor or declarations of the LeadRU as consignor</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="ConsignorDeclarationCode"/>`
	`  <xs:element ref="DeclarationText" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/GeneralInformation**

diagram	

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**ConsignorReference** **InformationConsignee** **WagonGroupInfo**
annotation	documentation Genearal information about the complete consignment

source

```
<xs:element name="GeneralInformation" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Genearal information about the complete
consignment</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="ConsignorReference" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Consignor's reference concerning the complete
consignment</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="35"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="InformationConsignee" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Information from the consignor to the consignee
relating to the consignment. This information is not to commit the
carrier.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="350"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="WagonGroupInfo" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Consignor information regarding the whole consignment.
Comparable with the element WagonInfo, but for all wagons.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="500"/>
            <xs:minLength value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
```

	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/GeneralInformation/ConsignorReference**

diagram	**ConsignorReference** Consignor's reference concerning the complete consignment
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Consignor's reference concerning the complete consignment

source	`<xs:element name="ConsignorReference" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Consignor's reference concerning the complete consignment</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="35"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/GeneralInformation/InformationConsignee**

diagram	**InformationConsignee** Information from the consignor to the consignee relating to the consignment. This information is not to commit the carrier.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation Information from the consignor to the consignee relating to the consignment. This information is not to commit the

	carrier.

source	`<xs:element name="InformationConsignee" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Information from the consignor to the consignee relating to the consignment. This information is not to commit the carrier.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="350"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

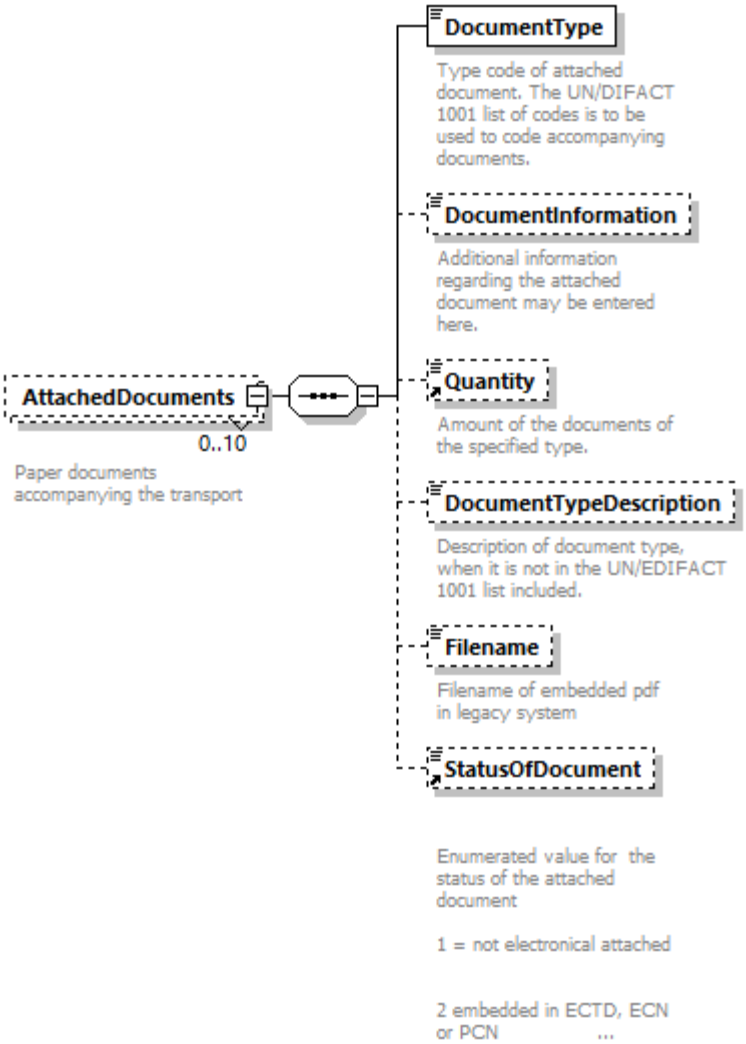
element **ConsignmentOrderMessage/COMS/COM/GeneralInformation/WagonGroupInfo**

diagram	**WagonGroupInfo** Consignor information regarding the whole consignment. Comparable with the element WagonInfo, but for all wagons.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 500
annotation	documentation Consignor information regarding the whole consignment. Comparable with the element WagonInfo, but for all wagons.

source	`<xs:element name="WagonGroupInfo" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Consignor information regarding the whole consignment. Comparable with the element WagonInfo, but for all wagons.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="500"/>`
	`  <xs:minLength value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/AttachedDocuments**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 10 content complex
children	**DocumentType** **DocumentInformation** **Quantity** **DocumentTypeDescription** **Filename** **StatusOfDocument**
annotation	documentation Paper documents accompanying the transport

source

```
<xs:element name="AttachedDocuments" minOccurs="0" maxOccurs="10">
  <xs:annotation>
    <xs:documentation>Paper documents accompanying the
transport</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="DocumentType">
        <xs:annotation>
          <xs:documentation>Type code of attached document. The UN/DIFACT 1001 list
of codes is to be used to code accompanying documents.</xs:documentation>
```

```
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:int">
            <xs:minInclusive value="1"/>
            <xs:maxInclusive value="999"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="DocumentInformation" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Additional information regarding the attached document
may be entered here.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="35"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="Quantity" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Amount of the documents of the specified
type.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="DocumentTypeDescription" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Description of document type, when it is not in the
UN/EDIFACT 1001 list included.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="35"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="Filename" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Filename of embedded pdf in legacy
system</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="35"/>
            <xs:minLength value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="StatusOfDocument" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/AttachedDocuments/DocumentType**

diagram	**DocumentType** Type code of attached document. The UN/DIFACT 1001 list of codes is to be used to code accompanying documents.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 999
annotation	documentation Type code of attached document. The UN/DIFACT 1001 list of codes is to be used to code accompanying documents.

source	`<xs:element name="DocumentType">`
	`  <xs:annotation>`
	`  <xs:documentation>Type code of attached document. The UN/DIFACT 1001 list of codes is to be used to code accompanying documents.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:int">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="999"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/AttachedDocuments/DocumentInformation**

diagram	**DocumentInformation** Additional information regarding the attached document may be entered here.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Additional information regarding the attached document may be entered here.
source	`<xs:element name="DocumentInformation" minOccurs="0">`

```
  <xs:annotation>
    <xs:documentation>Additional information regarding the attached document may be
entered here.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="35"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/AttachedDocuments/DocumentTypeDescription**

diagram	**DocumentTypeDescription** Description of document type, when it is not in the UN/EDIFACT 1001 list included.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Description of document type, when it is not in the UN/EDIFACT 1001 list included.

source

```
<xs:element name="DocumentTypeDescription" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Description of document type, when it is not in the UN/EDIFACT
1001 list included.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="35"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

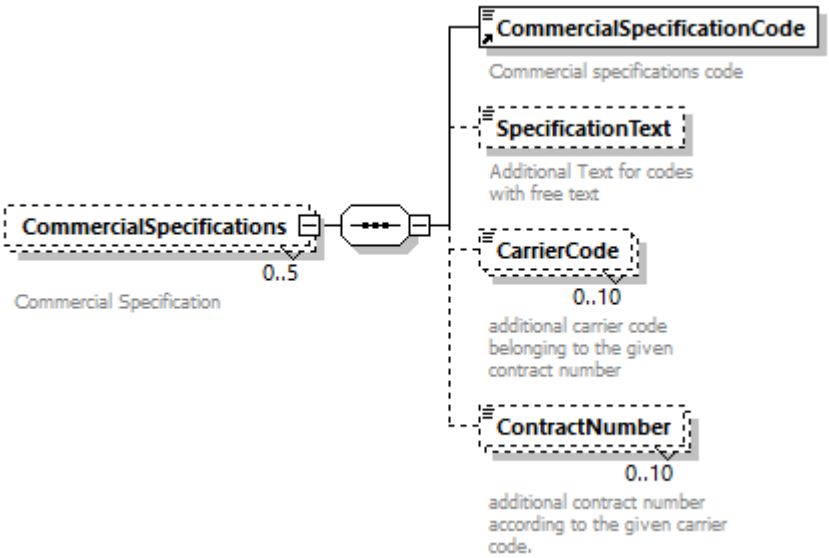
element **ConsignmentOrderMessage/COMS/COM/AttachedDocuments/Filename**

diagram	**Filename** Filename of embedded pdf in legacy system
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**

properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Filename of embedded pdf in legacy system

source	`<xs:element name="Filename" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Filename of embedded pdf in legacy system</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="35"/>`
	`  <xs:minLength value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/CommercialSpecifications**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 5 content complex
children	**CommercialSpecificationCode** **SpecificationText** **CarrierCode** **ContractNumber**
annotation	documentation Commercial Specification

source	`<xs:element name="CommercialSpecifications" minOccurs="0" maxOccurs="5">`
	`  <xs:annotation>`
	`  <xs:documentation>Commercial Specification</xs:documentation>`
	`  </xs:annotation>`

```
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="CommercialSpecificationCode"/>
      <xs:element name="SpecificationText" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Additional Text for codes with free
text</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="350"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="CarrierCode" type="CompanyCode" minOccurs="0"
maxOccurs="10">
        <xs:annotation>
          <xs:documentation>additional carrier code belonging to the given contract
number</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="ContractNumber" minOccurs="0" maxOccurs="10">
        <xs:annotation>
          <xs:documentation>additional contract number according to the given
carrier code.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1">
              <xs:annotation>
                <xs:documentation>has to be sent as n6 (with leading zeros if
necessary)</xs:documentation>
              </xs:annotation>
            </xs:minLength>
            <xs:maxLength value="6"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

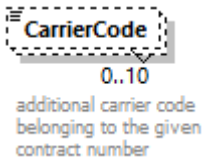
element **ConsignmentOrderMessage/COMS/COM/CommercialSpecifications/SpecificationText**

diagram	SpecificationText Additional Text for codes with free text
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0

	maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation Additional Text for codes with free text

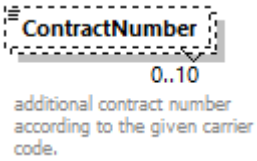
source	`<xs:element name="SpecificationText" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Additional Text for codes with free text</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="350"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/CommercialSpecifications/CarrierCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	minOcc 0 maxOcc 10 content simple
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation additional carrier code belonging to the given contract number

source	`<xs:element name="CarrierCode" type="CompanyCode" minOccurs="0" maxOccurs="10">`
	`  <xs:annotation>`
	`  <xs:documentation>additional carrier code belonging to the given contract number</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

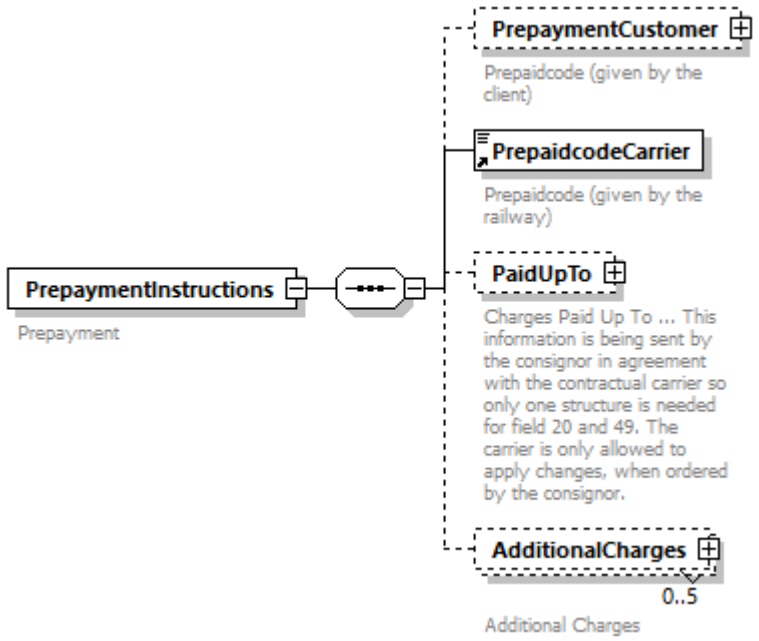
element **ConsignmentOrderMessage/COMS/COM/CommercialSpecifications/ContractNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 10 content simple
facets	Kind / Value / Annotation minLength 1 — documentation: has to be sent as n6 (with leading zeros if necessary) maxLength 6
annotation	documentation additional contract number according to the given carrier code.

source	`<xs:element name="ContractNumber" minOccurs="0" maxOccurs="10">`
	`  <xs:annotation>`
	`  <xs:documentation>additional contract number according to the given carrier code.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1">`
	`  <xs:annotation>`
	`  <xs:documentation>has to be sent as n6 (with leading zeros if necessary)</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:minLength>`
	`  <xs:maxLength value="6"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/PrepaymentInstructions**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**PrepaymentCustomer** **PrepaidcodeCarrier** **PaidUpTo** **AdditionalCharges**
annotation	documentation Prepayment

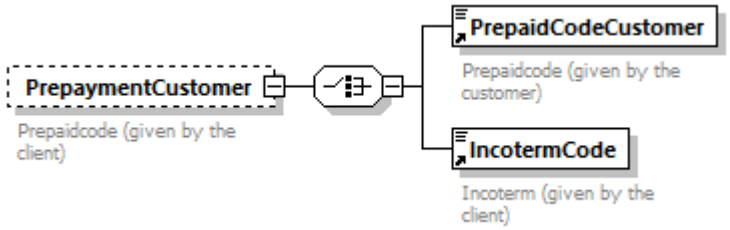
source

```
<xs:element name="PrepaymentInstructions">
  <xs:annotation>
    <xs:documentation>Prepayment</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="PrepaymentCustomer" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Prepaidcode (given by the client)</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:choice>
            <xs:element ref="PrepaidCodeCustomer"/>
            <xs:element ref="IncotermCode"/>
          </xs:choice>
        </xs:complexType>
      </xs:element>
      <xs:element ref="PrepaidcodeCarrier"/>
      <xs:element name="PaidUpTo" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Charges Paid Up To ... This information is being sent
by the consignor in agreement with the contractual carrier so only one structure is
needed for field 20 and 49. The carrier is only allowed to apply changes, when ordered
by the consignor.</xs:documentation>
        </xs:annotation>
```

```
        <xs:complexType>
          <xs:complexContent>
            <xs:extension base="LocationIdent"/>
          </xs:complexContent>
        </xs:complexType>
      </xs:element>
      <xs:element name="AdditionalCharges" minOccurs="0" maxOccurs="5">
        <xs:annotation>
          <xs:documentation>Additional Charges</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Code">
              <xs:annotation>
                <xs:documentation>Additional charges code according CIT GLV-CIM
appendix 3</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:length value="2"/>
                  <xs:pattern value="\d*[1-9]\d*"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="Description" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Additional charges
description</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:minLength value="1"/>
                  <xs:maxLength value="35"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/PrepaymentInstructions/PrepaymentCustomer**

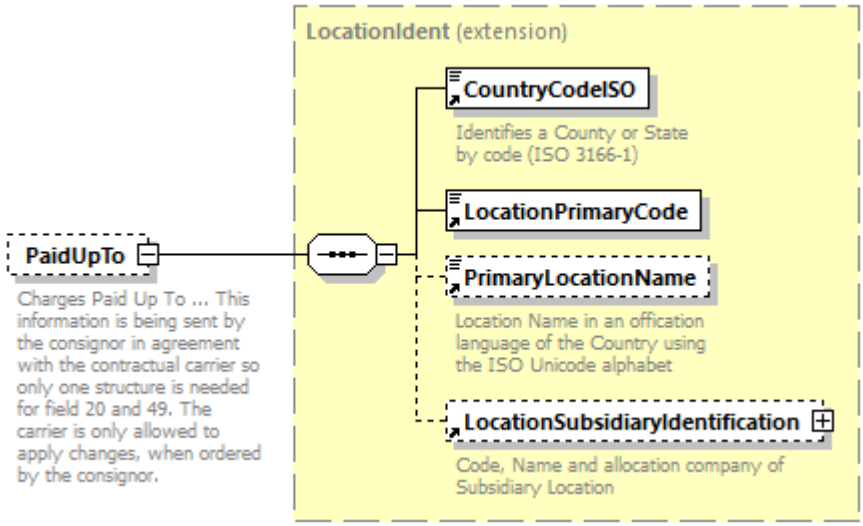
diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**PrepaidCodeCustomer** **IncotermCode**
annotation	documentation Prepaidcode (given by the client)

source	`<xs:element name="PrepaymentCustomer" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Prepaidcode (given by the client)</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:choice>`
	`  <xs:element ref="PrepaidCodeCustomer"/>`
	`  <xs:element ref="IncotermCode"/>`
	`  </xs:choice>`
	`  </xs:complexType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/PrepaymentInstructions/PaidUpTo**

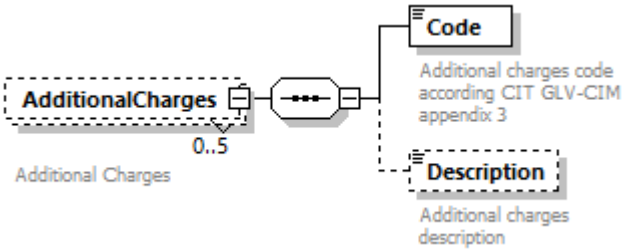
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **LocationIdent**
properties	minOcc 0 maxOcc 1 content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation Charges Paid Up To ... This information is being sent by the consignor in agreement with the contractual carrier so only one structure is needed for field 20 and 49. The carrier is only allowed to apply changes, when ordered by the consignor.

source	`<xs:element name="PaidUpTo" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Charges Paid Up To ... This information is being sent by the`

```
consignor in agreement with the contractual carrier so only one structure is needed
for field 20 and 49. The carrier is only allowed to apply changes, when ordered by
the consignor.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="LocationIdent"/>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/PrepaymentInstructions/AdditionalCharges**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 5 content complex
children	**Code** **Description**
annotation	documentation Additional Charges

source

```
<xs:element name="AdditionalCharges" minOccurs="0" maxOccurs="5">
  <xs:annotation>
    <xs:documentation>Additional Charges</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Code">
        <xs:annotation>
          <xs:documentation>Additional charges code according CIT GLV-CIM appendix
3</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:length value="2"/>
            <xs:pattern value="\d*[1-9]\d*"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="Description" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Additional charges description</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
```

```
            <xs:minLength value="1"/>
            <xs:maxLength value="35"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/PrepaymentInstructions/AdditionalCharges/Code**

diagram	**Code** Additional charges code according CIT GLV-CIM appendix 3
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation length 2 pattern \d*[1-9]\d*
annotation	documentation Additional charges code according CIT GLV-CIM appendix 3

source

```
<xs:element name="Code">
  <xs:annotation>
    <xs:documentation>Additional charges code according CIT GLV-CIM appendix
3</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:length value="2"/>
      <xs:pattern value="\d*[1-9]\d*"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

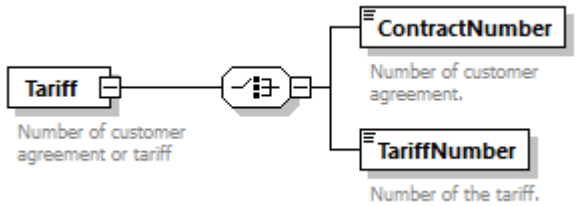
element **ConsignmentOrderMessage/COMS/COM/PrepaymentInstructions/AdditionalCharges/Description**

diagram	**Description** Additional charges description
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple

facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Additional charges description

source	`<xs:element name="Description" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Additional charges description</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="35"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/Tariff**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**ContractNumber** **TariffNumber**
annotation	documentation Number of customer agreement or tariff

source	`<xs:element name="Tariff">`
	`  <xs:annotation>`
	`  <xs:documentation>Number of customer agreement or tariff</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:choice>`
	`  <xs:element name="ContractNumber">`
	`  <xs:annotation>`
	`  <xs:documentation>Number of customer agreement.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1">`
	`  <xs:annotation>`
	`  <xs:documentation>has to be sent as n6 (with leading zeros if necessary)</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:minLength>`
	`  <xs:maxLength value="6"/>`
	`  </xs:restriction>`

```
        </xs:simpleType>
      </xs:element>
      <xs:element name="TariffNumber">
        <xs:annotation>
          <xs:documentation>Number of the tariff.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1">
              <xs:annotation>
                <xs:documentation>has to be sent as n6 (with leading zeros if
necessary, but without check digit)</xs:documentation>
              </xs:annotation>
            </xs:minLength>
            <xs:maxLength value="6"/>
            <xs:pattern value="\d*[1-9]\d*"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:choice>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/Tariff/ContractNumber**

diagram	ContractNumber Number of customer agreement.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1 documentation has to be sent as n6 (with leading zeros if necessary) maxLength 6
annotation	documentation Number of customer agreement.

source

```
<xs:element name="ContractNumber">
  <xs:annotation>
    <xs:documentation>Number of customer agreement.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1">
        <xs:annotation>
          <xs:documentation>has to be sent as n6 (with leading zeros if
necessary)</xs:documentation>
        </xs:annotation>
      </xs:minLength>
      <xs:maxLength value="6"/>
```

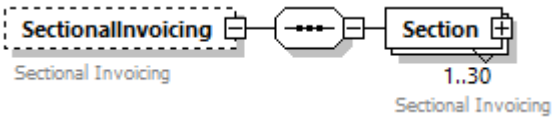
```
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/Tariff/TariffNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1 documentation has to be sent as n6 (with leading zeros if necessary, but without check digit) maxLength 6 pattern \d*[1-9]\d*
annotation	documentation Number of the tariff.

source	`<xs:element name="TariffNumber">`
	`  <xs:annotation>`
	`  <xs:documentation>Number of the tariff.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1">`
	`  <xs:annotation>`
	`  <xs:documentation>has to be sent as n6 (with leading zeros if necessary, but without check digit)</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:minLength>`
	`  <xs:maxLength value="6"/>`
	`  <xs:pattern value="\d*[1-9]\d*"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/SectionalInvoicing**

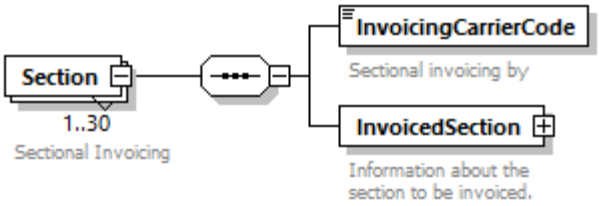
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**Section**

annotation	documentation Sectional Invoicing

source

```
<xs:element name="SectionalInvoicing" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Sectional Invoicing</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Section" maxOccurs="30">
        <xs:annotation>
          <xs:documentation>Sectional Invoicing</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="InvoicingCarrierCode" type="CompanyCode">
              <xs:annotation>
                <xs:documentation>Sectional invoicing by</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="InvoicedSection">
              <xs:annotation>
                <xs:documentation>Information about the section to be
invoiced.</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:choice>
                  <xs:element name="CountryCode" type="CountryIdentISO">
                    <xs:annotation>
                      <xs:documentation>Invoiced section specified by
country</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="SectionCarrierCode" type="CompanyCode">
                    <xs:annotation>
                      <xs:documentation>Invoiced section specified by
carrier</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                </xs:choice>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

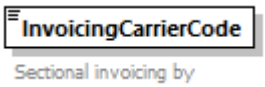
element **ConsignmentOrderMessage/COMS/COM/SectionalInvoicing/Section**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 1 maxOcc 30 content complex
children	**InvoicingCarrierCode** **InvoicedSection**
annotation	documentation Sectional Invoicing

source

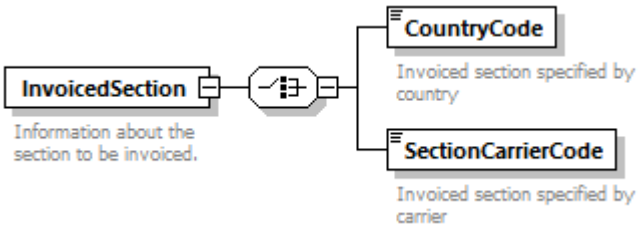
```
<xs:element name="Section" maxOccurs="30">
  <xs:annotation>
    <xs:documentation>Sectional Invoicing</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="InvoicingCarrierCode" type="CompanyCode">
        <xs:annotation>
          <xs:documentation>Sectional invoicing by</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="InvoicedSection">
        <xs:annotation>
          <xs:documentation>Information about the section to be
invoiced.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:choice>
            <xs:element name="CountryCode" type="CountryIdentISO">
              <xs:annotation>
                <xs:documentation>Invoiced section specified by
country</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="SectionCarrierCode" type="CompanyCode">
              <xs:annotation>
                <xs:documentation>Invoiced section specified by
carrier</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:choice>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/SectionalInvoicing/Section/InvoicingCarrierCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
facets	Kind / Value / Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Sectional invoicing by

source	`<xs:element name="InvoicingCarrierCode" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Sectional invoicing by</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/SectionalInvoicing/Section/InvoicedSection**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**CountryCode** **SectionCarrierCode**
annotation	documentation Information about the section to be invoiced.

source	`<xs:element name="InvoicedSection">`
	`  <xs:annotation>`
	`  <xs:documentation>Information about the section to be invoiced.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:choice>`
	`  <xs:element name="CountryCode" type="CountryIdentISO">`
	`  <xs:annotation>`
	`  <xs:documentation>Invoiced section specified by country</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`

```
      <xs:element name="SectionCarrierCode" type="CompanyCode">
        <xs:annotation>
          <xs:documentation>Invoiced section specified by
carrier</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:choice>
  </xs:complexType>
</xs:element>
```

element
ConsignmentOrderMessage/COMS/COM/SectionalInvoicing/Section/InvoicedSection/CountryCode

diagram	CountryCode Invoiced section specified by country
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CountryIdentISO**
properties	content simple
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation Invoiced section specified by country

source	`<xs:element name="CountryCode" type="CountryIdentISO">`
	`  <xs:annotation>`
	`  <xs:documentation>Invoiced section specified by country</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

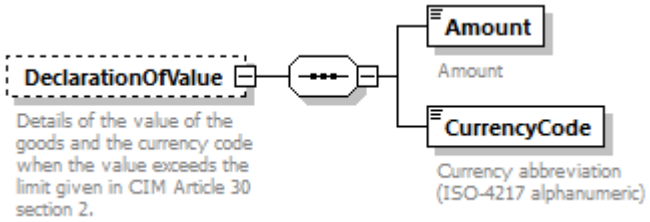
element
ConsignmentOrderMessage/COMS/COM/SectionalInvoicing/Section/InvoicedSection/SectionCarrierCode

diagram	SectionCarrierCode Invoiced section specified by carrier
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}

annotation	documentation Invoiced section specified by carrier

source	`<xs:element name="SectionCarrierCode" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Invoiced section specified by carrier</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/DeclarationOfValue**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**Amount** **CurrencyCode**
annotation	documentation Details of the value of the goods and the currency code when the value exceeds the limit given in CIM Article 30 section 2.

source	`<xs:element name="DeclarationOfValue" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Details of the value of the goods and the currency code when the value exceeds the limit given in CIM Article 30 section 2.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="Amount" type="Money_Type">`
	`  <xs:annotation>`
	`  <xs:documentation>Amount</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  <xs:element name="CurrencyCode" type="CurrencyCode_Type">`
	`  <xs:annotation>`
	`  <xs:documentation>Currency abbreviation (ISO-4217 alphanumeric)</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/DeclarationOfValue/Amount**

diagram	Amount Amount
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Money_Type**
properties	content simple
facets	Kind Value Annotation totalDigits 18 fractionDigits 2
annotation	documentation Amount

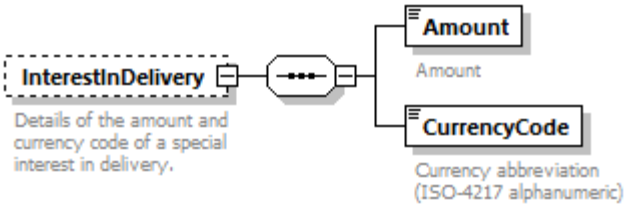
source	`<xs:element name="Amount" type="Money_Type">`
	`  <xs:annotation>`
	`  <xs:documentation>Amount</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/DeclarationOfValue/CurrencyCode**

diagram	CurrencyCode Currency abbreviation (ISO-4217 alphanumeric)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CurrencyCode_Type**
properties	content simple
facets	Kind Value Annotation pattern [A-Z][A-Z][A-Z]
annotation	documentation Currency abbreviation (ISO-4217 alphanumeric)

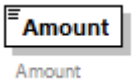
source	`<xs:element name="CurrencyCode" type="CurrencyCode_Type">`
	`  <xs:annotation>`
	`  <xs:documentation>Currency abbreviation (ISO-4217`
	`alphanumeric)</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/InterestInDelivery**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**Amount** **CurrencyCode**
annotation	documentation Details of the amount and currency code of a special interest in delivery.

source	`<xs:element name="InterestInDelivery" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Details of the amount and currency code of a special interest in delivery.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="Amount" type="Money_Type">`
	`  <xs:annotation>`
	`  <xs:documentation>Amount</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  <xs:element name="CurrencyCode" type="CurrencyCode_Type">`
	`  <xs:annotation>`
	`  <xs:documentation>Currency abbreviation (ISO-4217 alphanumeric)</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/InterestInDelivery/Amount**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Money_Type**
properties	content simple
facets	Kind Value Annotation totalDigits 18 fractionDigits 2

annotation	documentation Amount

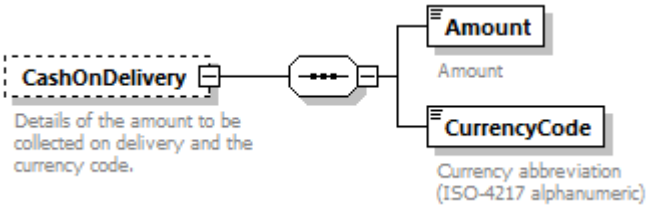
source	`<xs:element name="Amount" type="Money_Type">`
	`  <xs:annotation>`
	`  <xs:documentation>Amount</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/InterestInDelivery/CurrencyCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CurrencyCode_Type**
properties	content simple
facets	Kind Value Annotation pattern [A-Z][A-Z][A-Z]
annotation	documentation Currency abbreviation (ISO-4217 alphanumeric)

source	`<xs:element name="CurrencyCode" type="CurrencyCode_Type">`
	`  <xs:annotation>`
	`  <xs:documentation>Currency abbreviation (ISO-4217 alphanumeric)</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

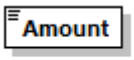
element **ConsignmentOrderMessage/COMS/COM/CashOnDelivery**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**Amount** **CurrencyCode**
annotation	documentation Details of the amount to be collected on delivery and the currency code.

source	`<xs:element name="CashOnDelivery" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Details of the amount to be collected on delivery and the currency code.</xs:documentation>`

```
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Amount" type="Money_Type">
        <xs:annotation>
          <xs:documentation>Amount</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="CurrencyCode" type="CurrencyCode_Type">
        <xs:annotation>
          <xs:documentation>Currency abbreviation (ISO-4217
alphanumeric)</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/CashOnDelivery/Amount**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Money_Type**
properties	content simple
facets	Kind Value Annotation totalDigits 18 fractionDigits 2
annotation	documentation Amount

source	`<xs:element name="Amount" type="Money_Type">`
	`  <xs:annotation>`
	`  <xs:documentation>Amount</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

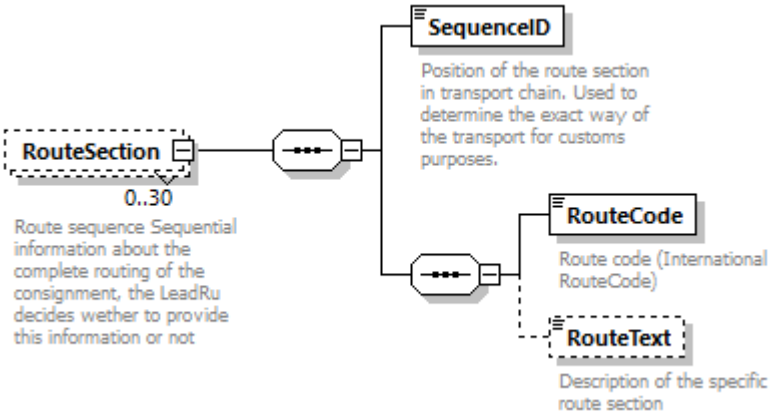
element **ConsignmentOrderMessage/COMS/COM/CashOnDelivery/CurrencyCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CurrencyCode_Type**
properties	content simple
facets	Kind Value Annotation

	pattern [A-Z][A-Z][A-Z]
annotation	documentation Currency abbreviation (ISO-4217 alphanumeric)

source	`<xs:element name="CurrencyCode" type="CurrencyCode_Type">`
	`  <xs:annotation>`
	`  <xs:documentation>Currency abbreviation (ISO-4217 alphanumeric)</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

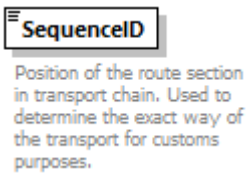
element **ConsignmentOrderMessage/COMS/COM/RouteSection**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 30 content complex
children	**SequenceID** **RouteCode** **RouteText**
annotation	documentation Route sequence Sequential information about the complete routing of the consignment, the LeadRu decides wether to provide this information or not

source	`<xs:element name="RouteSection" minOccurs="0" maxOccurs="30">`
	`  <xs:annotation>`
	`  <xs:documentation>Route sequence Sequential information about the complete routing of the consignment, the LeadRu decides wether to provide this information or not</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="SequenceID" type="xs:int">`
	`  <xs:annotation>`
	`  <xs:documentation>Position of the route section in transport chain. Used to determine the exact way of the transport for customs purposes.</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  <xs:sequence>`
	`  <xs:element name="RouteCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Route code (International`

```
RouteCode)</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:length value="5"/>
              <xs:pattern value="\d*[1-9]\d*0"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <xs:element name="RouteText" minOccurs="0">
          <xs:annotation>
            <xs:documentation>Description of the specific route
section</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:minLength value="1"/>
              <xs:maxLength value="80"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
      </xs:sequence>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/RouteSection/SequenceID**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:int**
properties	content simple
annotation	documentation Position of the route section in transport chain. Used to determine the exact way of the transport for customs purposes.

source	`<xs:element name="SequenceID" type="xs:int">`
	`  <xs:annotation>`
	`  <xs:documentation>Position of the route section in transport chain. Used to determine the exact way of the transport for customs purposes.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/RouteSection/RouteCode**

diagram	RouteCode Route code (International RouteCode)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation length 5 pattern \d*[1-9]\d*0
annotation	documentation Route code (International RouteCode)

source	`<xs:element name="RouteCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Route code (International RouteCode)</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:length value="5"/>`
	`  <xs:pattern value="\d*[1-9]\d*0"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/RouteSection/RouteText**

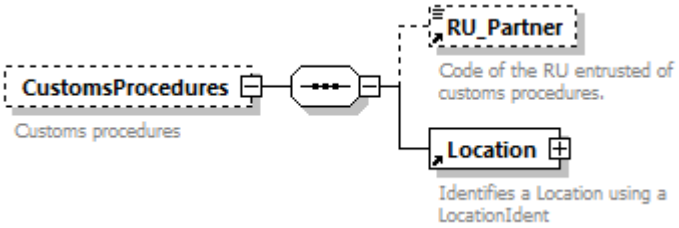
diagram	RouteText Description of the specific route section
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 80
annotation	documentation Description of the specific route section

source	`<xs:element name="RouteText" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Description of the specific route section</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="80"/>`

```
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/CustomsProcedures**

diagram



namespace: http://www.era.europa.eu/schemes/TAFTSI/3.5

properties:

minOcc	0
maxOcc	1
content	complex

children: **RU_Partner** **Location**

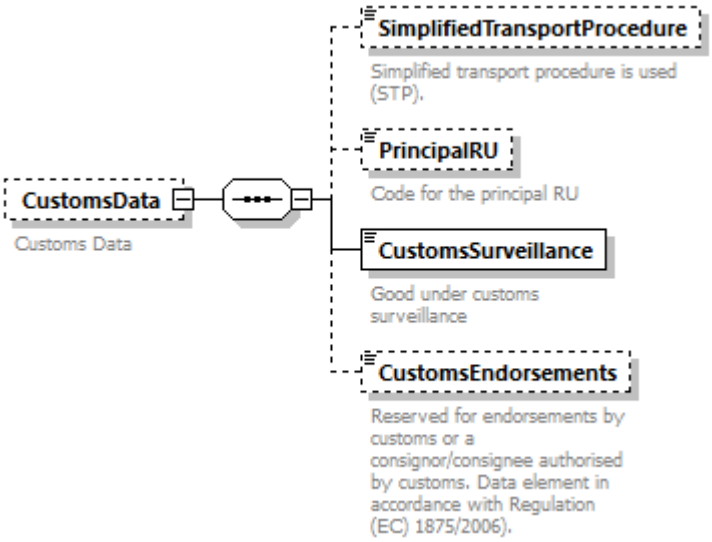
annotation: documentation
Customs procedures

source

```
<xs:element name="CustomsProcedures" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Customs procedures</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="RU_Partner" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Code of the RU entrusted of customs procedures.
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="Location"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/CustomsData**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**SimplifiedTransportProcedure** **PrincipalRU** **CustomsSurveillance** **CustomsEndorsements**
annotation	documentation Customs Data

source

```
<xs:element name="CustomsData" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Customs Data</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="SimplifiedTransportProcedure" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Simplified transport procedure is used
(STP).</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:boolean"/>
        </xs:simpleType>
      </xs:element>
      <xs:element name="PrincipalRU" type="CompanyCode" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Code for the principal RU</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="CustomsSurveillance">
        <xs:annotation>
          <xs:documentation>Good under customs surveillance</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:boolean"/>
        </xs:simpleType>
```

```
      </xs:element>
      <xs:element name="CustomsEndorsements" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Reserved for endorsements by customs or a
consignor/consignee authorised by customs. Data element in accordance with
Regulation (EC) 1875/2006).</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="350"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/CustomsData/SimplifiedTransportProcedure**

diagram	**SimplifiedTransportProcedure** Simplified transport procedure is used (STP).
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Simplified transport procedure is used (STP).

source

```
<xs:element name="SimplifiedTransportProcedure" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Simplified transport procedure is used
(STP).</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:boolean"/>
  </xs:simpleType>
</xs:element>
```

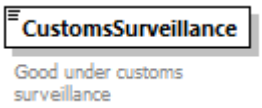
element **ConsignmentOrderMessage/COMS/COM/CustomsData/PrincipalRU**

diagram	**PrincipalRU** Code for the principal RU
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	minOcc 0 maxOcc 1

	content simple
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Code for the principal RU

source	`<xs:element name="PrincipalRU" type="CompanyCode" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Code for the principal RU</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/CustomsData/CustomsSurveillance**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:boolean**
properties	content simple
annotation	documentation Good under customs surveillance

source	`<xs:element name="CustomsSurveillance">`
	`  <xs:annotation>`
	`  <xs:documentation>Good under customs surveillance</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:boolean"/>`
	`  </xs:simpleType>`
	`</xs:element>`

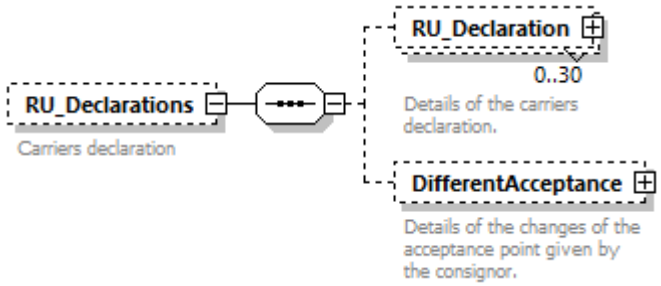
element **ConsignmentOrderMessage/COMS/COM/CustomsData/CustomsEndorsements**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation

	minLength 1 maxLength 350
annotation	documentation Reserved for endorsements by customs or a consignor/consignee authorised by customs. Data element in accordance with Regulation (EC) 1875/2006).

source	`<xs:element name="CustomsEndorsements" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Reserved for endorsements by customs or a consignor/consignee authorised by customs. Data element in accordance with Regulation (EC) 1875/2006).</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="350"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/RU_Declarations**

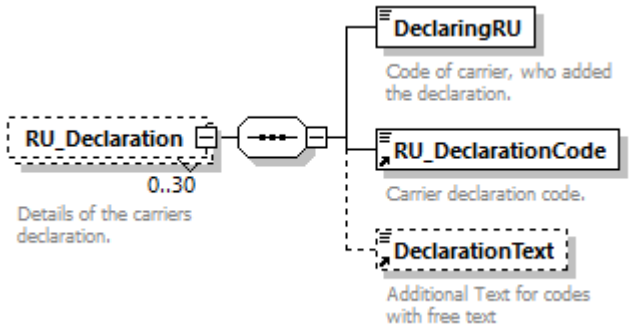
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**RU_Declaration** **DifferentAcceptance**
annotation	documentation Carriers declaration

source	`<xs:element name="RU_Declarations" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Carriers declaration</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="RU_Declaration" minOccurs="0" maxOccurs="30">`
	`  <xs:annotation>`
	`  <xs:documentation>Details of the carriers declaration.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="DeclaringRU" type="CompanyCode">`

```
              <xs:annotation>
                <xs:documentation>Code of carrier, who added the
declaration.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="RU_DeclarationCode"/>
            <xs:element ref="DeclarationText" minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="DifferentAcceptance" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Details of the changes of the acceptance point given by
the consignor.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="DifferentAcceptancePoint" type="LocationIdent"
minOccurs="0">
              <xs:annotation>
                <xs:documentation>Variance of acceptance point given in structure
AcceptancePoint.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="DifferentAcceptanceDate" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Variance of acceptance date given structure
AcceptancePoint.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:dateTime"/>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/RU_Declarations/RU_Declaration**

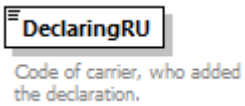
diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 30 content complex
children	**DeclaringRU** **RU_DeclarationCode** **DeclarationText**
annotation	documentation Details of the carriers declaration.

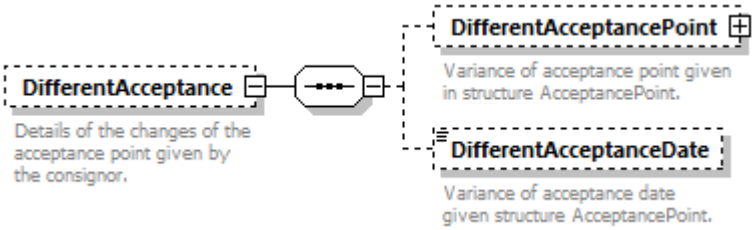
source	`<xs:element name="RU_Declaration" minOccurs="0" maxOccurs="30">`
	`  <xs:annotation>`
	`  <xs:documentation>Details of the carriers declaration.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="DeclaringRU" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Code of carrier, who added the declaration.</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  <xs:element ref="RU_DeclarationCode"/>`
	`  <xs:element ref="DeclarationText" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/RU_Declarations/RU_Declaration/DeclaringRU**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
facets	Kind / Value / Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Code of carrier, who added the declaration.

source	`<xs:element name="DeclaringRU" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Code of carrier, who added the declaration.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

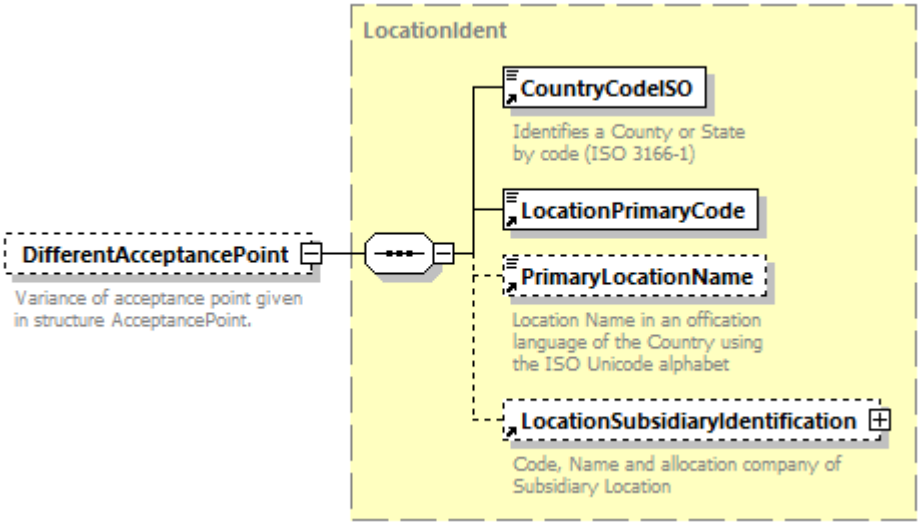
element **ConsignmentOrderMessage/COMS/COM/RU_Declarations/DifferentAcceptance**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**DifferentAcceptancePoint** **DifferentAcceptanceDate**
annotation	documentation Details of the changes of the acceptance point given by the consignor.

source

```
<xs:element name="DifferentAcceptance" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Details of the changes of the acceptance point given by the
consignor.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="DifferentAcceptancePoint" type="LocationIdent"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>Variance of acceptance point given in structure
AcceptancePoint.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="DifferentAcceptanceDate" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Variance of acceptance date given structure
AcceptancePoint.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:dateTime"/>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element
ConsignmentOrderMessage/COMS/COM/RU_Declarations/DifferentAcceptance/DifferentAcceptancePoint

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	minOcc 0 maxOcc 1 content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation Variance of acceptance point given in structure AcceptancePoint.

source	`<xs:element name="DifferentAcceptancePoint" type="LocationIdent" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Variance of acceptance point given in structure AcceptancePoint.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element
ConsignmentOrderMessage/COMS/COM/RU_Declarations/DifferentAcceptance/DifferentAcceptanceDate

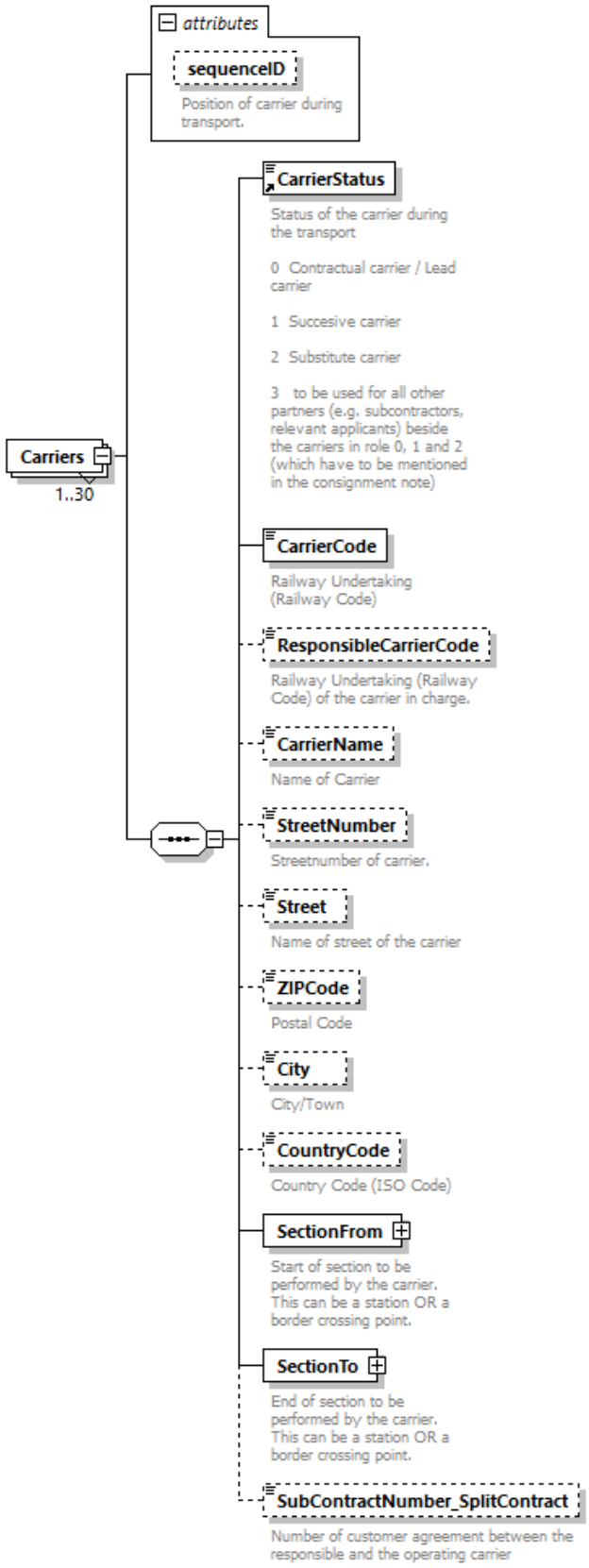
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:dateTime**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation

	Variance of acceptance date given structure AcceptancePoint.

source	`<xs:element name="DifferentAcceptanceDate" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Variance of acceptance date given structure AcceptancePoint.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:dateTime"/>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/Carriers**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 1 maxOcc 30 content complex
children	**CarrierStatus** **CarrierCode** **ResponsibleCarrierCode** **CarrierName** **StreetNumber** **Street** **ZIPCode** **City** **CountryCode** **SectionFrom** **SectionTo** **SubContractNumber** **SplitContract**

attributes	Name	Type	Use	Default	Fixed	Annotation
	sequenceID	**xs:int**				documentation Position of carrier during transport.

source

```
<xs:element name="Carriers" maxOccurs="30">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="CarrierStatus"/>
      <xs:element name="CarrierCode" type="CompanyCode">
        <xs:annotation>
          <xs:documentation>Railway Undertaking (Railway Code)</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="ResponsibleCarrierCode" type="CompanyCode" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Railway Undertaking (Railway Code) of the carrier in
charge.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="CarrierName" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Name of Carrier</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="35"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="StreetNumber" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Streetnumber of carrier.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="5"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="Street" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Name of street of the carrier</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
```

```
            <xs:minLength value="1"/>
            <xs:maxLength value="35"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ZIPCode" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Postal Code</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="9"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="City" minOccurs="0">
        <xs:annotation>
          <xs:documentation>City/Town</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="35"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="CountryCode" type="CountryIdentISO" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Country Code (ISO Code)</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="SectionFrom" type="LocationIdent">
        <xs:annotation>
          <xs:documentation>Start of section to be performed by the carrier. This
can be a station OR a border crossing point.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="SectionTo" type="LocationIdent">
        <xs:annotation>
          <xs:documentation>End of section to be performed by the carrier. This can
be a station OR a border crossing point.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="SubContractNumber_SplitContract" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Number of customer agreement between the responsible
and the operating carrier</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1">
              <xs:annotation>
                <xs:documentation>has to be sent as n6 (with leading zeros if
necessary)</xs:documentation>
```

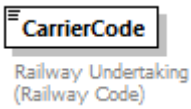
```
                </xs:annotation>
              </xs:minLength>
              <xs:maxLength value="6"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
      </xs:sequence>
      <xs:attribute name="sequenceID" type="xs:int">
        <xs:annotation>
          <xs:documentation>Position of carrier during transport.
</xs:documentation>
        </xs:annotation>
      </xs:attribute>
    </xs:complexType>
</xs:element>
```

attribute **ConsignmentOrderMessage/COMS/COM/Carriers/@sequenceID**

type	**xs:int**
annotation	documentation Position of carrier during transport.

source	`<xs:attribute name="sequenceID" type="xs:int">`
	`  <xs:annotation>`
	`  <xs:documentation>Position of carrier during transport. </xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

element **ConsignmentOrderMessage/COMS/COM/Carriers/CarrierCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
facets	Kind / Value / Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Railway Undertaking (Railway Code)

source	`<xs:element name="CarrierCode" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Railway Undertaking (Railway Code)</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/Carriers/ResponsibleCarrierCode**

diagram	**ResponsibleCarrierCode** Railway Undertaking (Railway Code) of the carrier in charge.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Railway Undertaking (Railway Code) of the carrier in charge.

source	`<xs:element name="ResponsibleCarrierCode" type="CompanyCode" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Railway Undertaking (Railway Code) of the carrier in charge.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/Carriers/CarrierName**

diagram	**CarrierName** Name of Carrier
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Name of Carrier

source	`<xs:element name="CarrierName" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Name of Carrier</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="35"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`

	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/Carriers/StreetNumber**

diagram	StreetNumber Streetnumber of carrier.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 5
annotation	documentation Streetnumber of carrier.

source	`<xs:element name="StreetNumber" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Streetnumber of carrier.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="5"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/Carriers/Street**

diagram	Street Name of street of the carrier
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Name of street of the carrier

source	`<xs:element name="Street" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Name of street of the carrier</xs:documentation>`
	`  </xs:annotation>`

```
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="35"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/Carriers/ZIPCode**

diagram	ZIPCode Postal Code
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 9
annotation	documentation Postal Code

source

```
<xs:element name="ZIPCode" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Postal Code</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="9"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/Carriers/City**

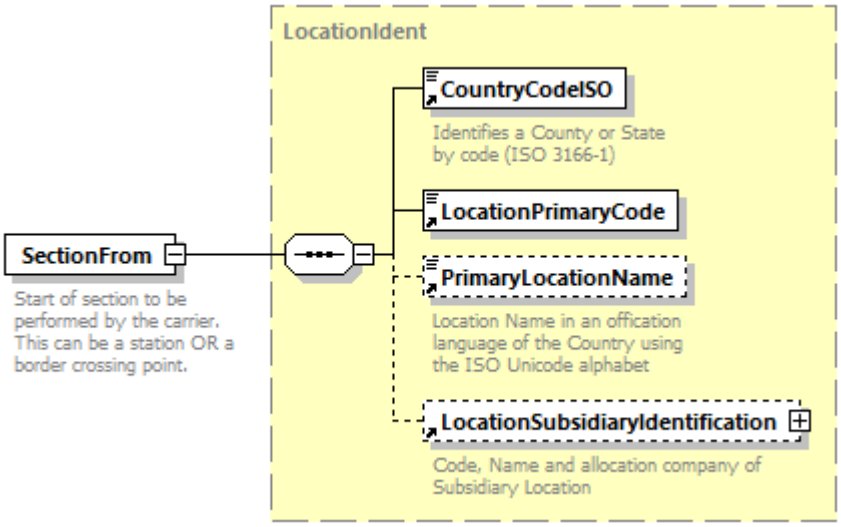
diagram	City City/Town
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35

annotation	documentation City/Town
source	<xs:element name="City" minOccurs="0"> <xs:annotation> <xs:documentation>City/Town</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ConsignmentOrderMessage/COMS/COM/Carriers/CountryCode**

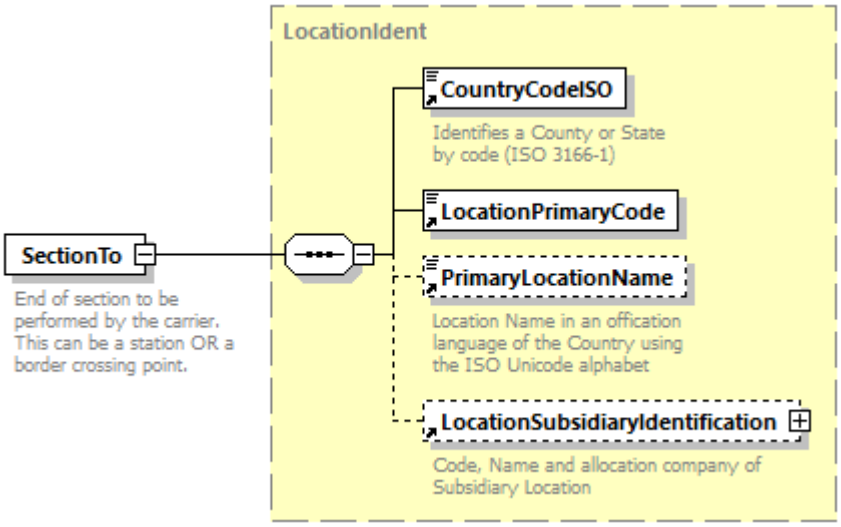
diagram	CountryCode Country Code (ISO Code)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CountryIdentISO**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation Country Code (ISO Code)
source	<xs:element name="CountryCode" type="CountryIdentISO" minOccurs="0"> <xs:annotation> <xs:documentation>Country Code (ISO Code)</xs:documentation> </xs:annotation> </xs:element>

element **ConsignmentOrderMessage/COMS/COM/Carriers/SectionFrom**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation Start of section to be performed by the carrier. This can be a station OR a border crossing point.

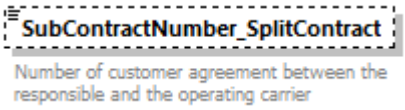
source	`<xs:element name="SectionFrom" type="LocationIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>Start of section to be performed by the carrier. This can be a station OR a border crossing point.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/Carriers/SectionTo**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation End of section to be performed by the carrier. This can be a station OR a border crossing point.

source	`<xs:element name="SectionTo" type="LocationIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>End of section to be performed by the carrier. This can be a station OR a border crossing point.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/Carriers/SubContractNumber_SplitContract**

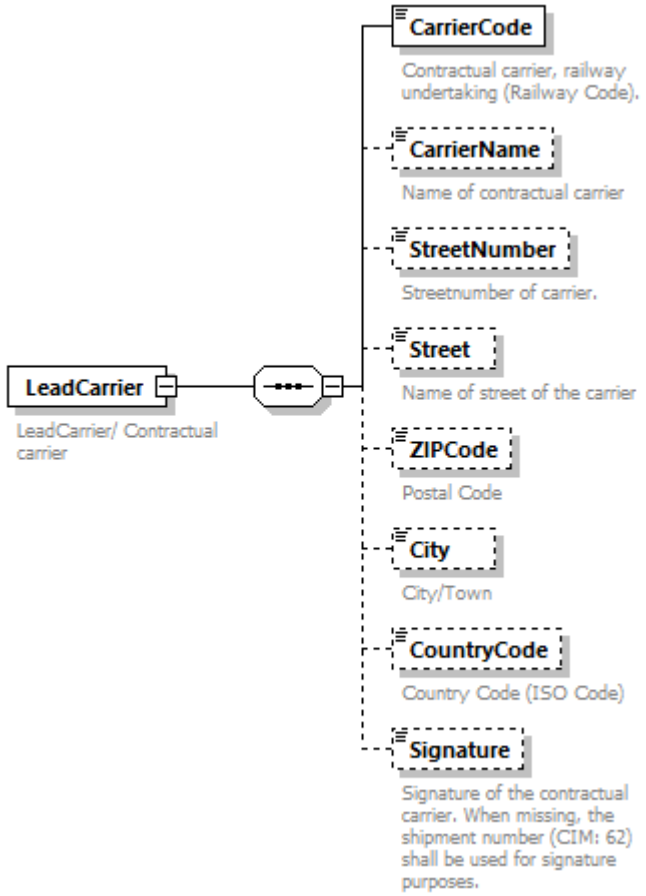
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 documentation has to be sent as n6 (with leading zeros if necessary) maxLength 6
annotation	documentation Number of customer agreement between the responsible and the operating carrier

source

```
<xs:element name="SubContractNumber_SplitContract" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Number of customer agreement between the responsible and the
operating carrier</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1">
        <xs:annotation>
          <xs:documentation>has to be sent as n6 (with leading zeros if
necessary)</xs:documentation>
        </xs:annotation>
      </xs:minLength>
      <xs:maxLength value="6"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/LeadCarrier**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex

children	**CarrierCode** **CarrierName** **StreetNumber** **Street** **ZIPCode** **City** **CountryCode** **Signature**
annotation	documentation LeadCarrier/ Contractual carrier
source	

```xml
<xs:element name="LeadCarrier">
  <xs:annotation>
    <xs:documentation>LeadCarrier/ Contractual carrier</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="CarrierCode" type="CompanyCode">
        <xs:annotation>
          <xs:documentation>Contractual carrier, railway undertaking (Railway
Code).</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="CarrierName" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Name of contractual carrier</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="35"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="StreetNumber" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Streetnumber of carrier.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="5"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="Street" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Name of street of the carrier</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="35"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ZIPCode" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Postal Code</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
```

```
            <xs:minLength value="1"/>
            <xs:maxLength value="9"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="City" minOccurs="0">
        <xs:annotation>
          <xs:documentation>City/Town</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="35"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="CountryCode" type="CountryIdentISO" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Country Code (ISO Code)</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="Signature" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Signature of the contractual carrier. When missing, the
shipment number (CIM: 62) shall be used for signature purposes.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="35"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/LeadCarrier/CarrierCode**

diagram	CarrierCode Contractual carrier, railway undertaking (Railway Code).
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
facets	Kind / Value / Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}

annotation	documentation Contractual carrier, railway undertaking (Railway Code).

source	`<xs:element name="CarrierCode" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Contractual carrier, railway undertaking (Railway Code).</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/LeadCarrier/CarrierName**

diagram	CarrierName Name of contractual carrier
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Name of contractual carrier

source	`<xs:element name="CarrierName" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Name of contractual carrier</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="35"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/LeadCarrier/StreetNumber**

diagram	StreetNumber Streetnumber of carrier.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1

	maxLength 5
annotation	documentation Streetnumber of carrier.
source	<xs:element name="StreetNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Streetnumber of carrier.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="5"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ConsignmentOrderMessage/COMS/COM/LeadCarrier/Street**

diagram	Street Name of street of the carrier
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Name of street of the carrier
source	<xs:element name="Street" minOccurs="0"> <xs:annotation> <xs:documentation>Name of street of the carrier</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element>

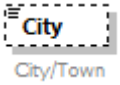
element **ConsignmentOrderMessage/COMS/COM/LeadCarrier/ZIPCode**

diagram	ZIPCode Postal Code
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 9
annotation	documentation Postal Code

source	`<xs:element name="ZIPCode" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Postal Code</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="9"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/LeadCarrier/City**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation City/Town

source	`<xs:element name="City" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>City/Town</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="35"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/LeadCarrier/CountryCode**

diagram	CountryCode Country Code (ISO Code)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CountryIdentISO**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation Country Code (ISO Code)

source	`<xs:element name="CountryCode" type="CountryIdentISO" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Country Code (ISO Code)</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

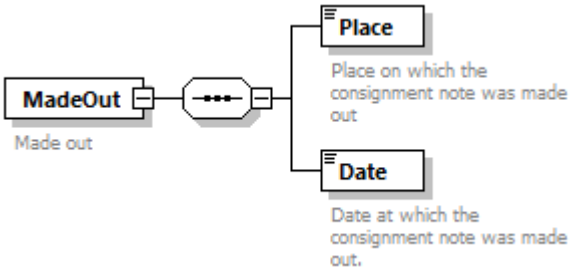
element **ConsignmentOrderMessage/COMS/COM/LeadCarrier/Signature**

diagram	Signature Signature of the contractual carrier. When missing, the shipment number (CIM: 62) shall be used for signature purposes.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Signature of the contractual carrier. When missing, the shipment number (CIM: 62) shall be used for signature purposes.

source	`<xs:element name="Signature" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Signature of the contractual carrier. When missing, the shipment number (CIM: 62) shall be used for signature purposes.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="35"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`

	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/MadeOut**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Place** **Date**
annotation	documentation Made out

source	`<xs:element name="MadeOut">`
	`  <xs:annotation>`
	`  <xs:documentation>Made out</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="Place">`
	`  <xs:annotation>`
	`  <xs:documentation>Place on which the consignment note was made out</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="35"/>`
	`  <xs:minLength value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`  </xs:element>`
	`  <xs:element name="Date" type="xs:date">`
	`  <xs:annotation>`
	`  <xs:documentation>Date at which the consignment note was made out.</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/MadeOut/Place**

diagram	**Place** Place on which the consignment note was made out
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Place on which the consignment note was made out

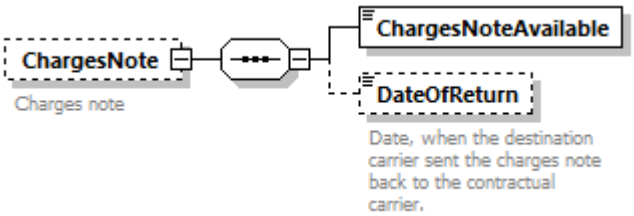
source	`<xs:element name="Place">`
	`  <xs:annotation>`
	`  <xs:documentation>Place on which the consignment note was made out</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="35"/>`
	`  <xs:minLength value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/MadeOut/Date**

diagram	**Date** Date at which the consignment note was made out.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**
properties	content simple
annotation	documentation Date at which the consignment note was made out.

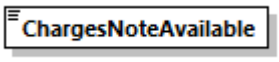
source	`<xs:element name="Date" type="xs:date">`
	`  <xs:annotation>`
	`  <xs:documentation>Date at which the consignment note was made out.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/ChargesNote**

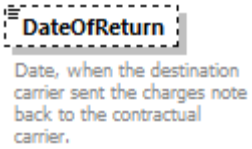
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**ChargesNoteAvailable** **DateOfReturn**
annotation	documentation Charges note

source	`<xs:element name="ChargesNote" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Charges note</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="ChargesNoteAvailable" type="xs:boolean"/>`
	`  <xs:element name="DateOfReturn" type="xs:date" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Date, when the destination carrier sent the charges note back to the contractual carrier.</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/ChargesNote/ChargesNoteAvailable**

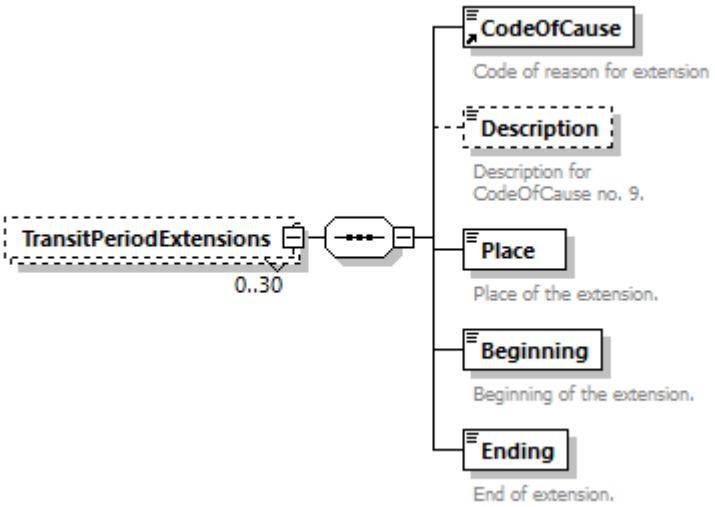
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
source	`<xs:element name="ChargesNoteAvailable" type="xs:boolean"/>`

element **ConsignmentOrderMessage/COMS/COM/ChargesNote/DateOfReturn**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Date, when the destination carrier sent the charges note back to the contractual carrier.

source	`<xs:element name="DateOfReturn" type="xs:date" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Date, when the destination carrier sent the charges note back to the contractual carrier.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/TransitPeriodExtensions**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 30 content complex
children	**CodeOfCause** **Description** **Place** **Beginning** **Ending**

source	`<xs:element name="TransitPeriodExtensions" minOccurs="0" maxOccurs="30">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="CodeOfCause"/>`
	`  <xs:element name="Description" minOccurs="0">`
	`  <xs:annotation>`

```
            <xs:documentation>Description for CodeOfCause no. 9.</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:minLength value="1"/>
              <xs:maxLength value="180"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <xs:element name="Place">
          <xs:annotation>
            <xs:documentation>Place of the extension.</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:minLength value="1"/>
              <xs:maxLength value="180"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <xs:element name="Beginning">
          <xs:annotation>
            <xs:documentation>Beginning of the extension.</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:dateTime"/>
          </xs:simpleType>
        </xs:element>
        <xs:element name="Ending">
          <xs:annotation>
            <xs:documentation>End of extension.</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:dateTime"/>
          </xs:simpleType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
```

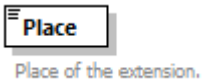
element **ConsignmentOrderMessage/COMS/COM/TransitPeriodExtensions/Description**

diagram	**Description** Description for CodeOfCause no. 9.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation

	minLength 1 maxLength 180
annotation	documentation Description for CodeOfCause no. 9.

source	`<xs:element name="Description" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Description for CodeOfCause no. 9.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="180"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/TransitPeriodExtensions/Place**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 180
annotation	documentation Place of the extension.

source	`<xs:element name="Place">`
	`  <xs:annotation>`
	`  <xs:documentation>Place of the extension.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="180"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/TransitPeriodExtensions/Beginning**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	restriction of **xs:dateTime**
properties	content simple
annotation	documentation Beginning of the extension.

source	`<xs:element name="Beginning">`
	`  <xs:annotation>`
	`  <xs:documentation>Beginning of the extension.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:dateTime"/>`
	`  </xs:simpleType>`
	`</xs:element>`

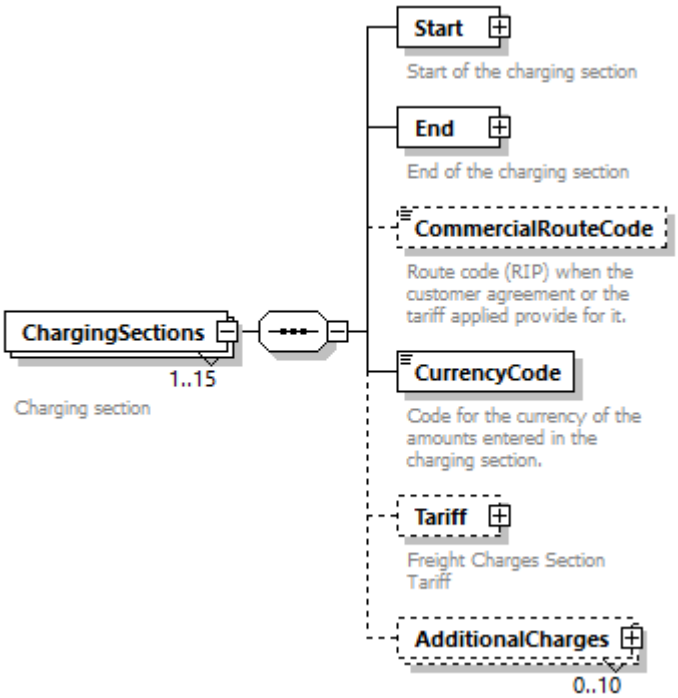
element **ConsignmentOrderMessage/COMS/COM/TransitPeriodExtensions/Ending**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:dateTime**
properties	content simple
annotation	documentation End of extension.

source	`<xs:element name="Ending">`
	`  <xs:annotation>`
	`  <xs:documentation>End of extension.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:dateTime"/>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/ChargingSections**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 1 maxOcc 15 content complex
children	**Start** **End** **CommercialRouteCode** **CurrencyCode** **Tariff** **AdditionalCharges**
annotation	documentation Charging section

source

```
<xs:element name="ChargingSections" maxOccurs="15">
  <xs:annotation>
    <xs:documentation>Charging section</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Start" type="LocationIdent">
        <xs:annotation>
          <xs:documentation>Start of the charging section</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="End" type="LocationIdent">
        <xs:annotation>
          <xs:documentation>End of the charging section</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="CommercialRouteCode" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Route code (RIP) when the customer agreement or the
tariff applied provide for it. </xs:documentation>
        </xs:annotation>
        <xs:simpleType>
```

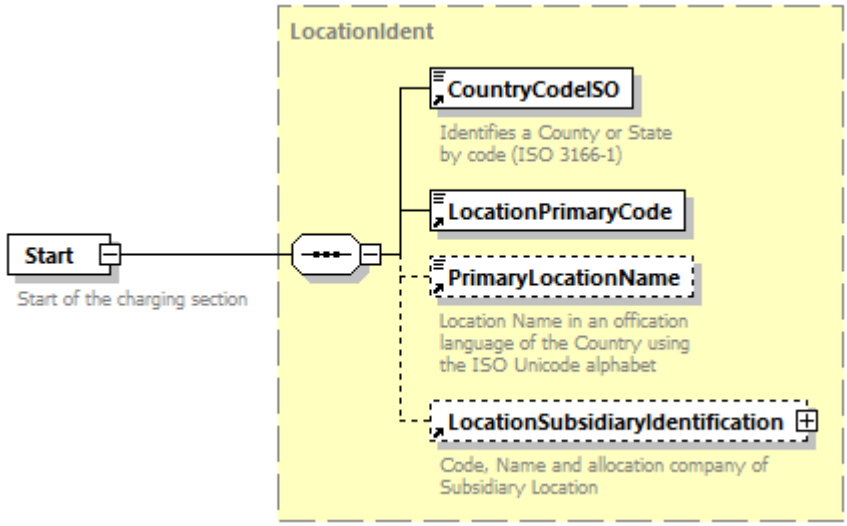
```
          <xs:restriction base="xs:string">
            <xs:length value="3"/>
            <xs:pattern value="\d*[1-9]\d*"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="CurrencyCode" type="CurrencyCode_Type">
        <xs:annotation>
          <xs:documentation>Code for the currency of the amounts entered in the
charging section.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="Tariff" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Freight Charges Section Tariff</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="NHMCode" type="NHMCodeType">
              <xs:annotation>
                <xs:documentation>NHM code determining the charges
applicable.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="TariffNumber">
              <xs:annotation>
                <xs:documentation>Customer agreement or tariff
applied</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:minLength value="1"/>
                  <xs:maxLength value="6"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="ChargedMass" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Charged mass [weight in kg]. As appropriate, area
in m² or the volume of the wagon or goods in m³ if used as the basis for
charging.</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="value">
                    <xs:simpleType>
                      <xs:restriction base="xs:decimal">
                        <xs:minInclusive value="1"/>
                        <xs:totalDigits value="8"/>
                        <xs:fractionDigits value="1"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="measure" minOccurs="0">
                    <xs:simpleType>
```

```
                        <xs:restriction base="xs:token">
                          <xs:enumeration value="kg"/>
                          <xs:enumeration value="m2"/>
                          <xs:enumeration value="m3"/>
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
              <xs:element name="ExchangeRate" minOccurs="0">
                <xs:annotation>
                  <xs:documentation>Exchange rate for amounts to be paid by the
consignor or consignee which are not expressed in the invoicing
currency.</xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                  <xs:restriction base="xs:decimal">
                    <xs:totalDigits value="18"/>
                    <xs:fractionDigits value="3"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:element>
              <xs:element name="Distance" minOccurs="0">
                <xs:annotation>
                  <xs:documentation>Tariff distance, expressed in km or zones,
between the stations or points corresponding to the beginning and end of the charging
section.</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:choice>
                    <xs:element name="KM">
                      <xs:annotation>
                        <xs:documentation>Tariff distance, expressed in km, between
the stations or points corresponding to the beginning and end of the charging
section.</xs:documentation>
                      </xs:annotation>
                      <xs:simpleType>
                        <xs:restriction base="xs:int">
                          <xs:minInclusive value="1"/>
                          <xs:maxInclusive value="99999"/>
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                    <xs:element name="Zones">
                      <xs:annotation>
                        <xs:documentation>Tariff distance, expressed in zones,
between the stations or points corresponding to the beginning and end of the charging
section.</xs:documentation>
                      </xs:annotation>
                      <xs:simpleType>
                        <xs:restriction base="xs:int">
                          <xs:minInclusive value="1"/>
                          <xs:maxInclusive value="99"/>
                        </xs:restriction>
```

```
                    </xs:simpleType>
                  </xs:element>
                </xs:choice>
              </xs:complexType>
            </xs:element>
            <xs:element name="Fee" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Supplements, fees,
deductions</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:int">
                  <xs:totalDigits value="4"/>
                  <xs:minInclusive value="1"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="FreightCharges" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Freight Charges (paid and
due)</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:choice>
                  <xs:element name="Prepaid" type="Money_Type">
                    <xs:annotation>
                      <xs:documentation>Carriage charges to be paid by the
consignor in the tariff currency.</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="Transferred" type="Money_Type">
                    <xs:annotation>
                      <xs:documentation>Carriage charges to be paid by the
consignee in the tariff currency.</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                </xs:choice>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="AdditionalCharges" minOccurs="0" maxOccurs="10">
        <xs:annotation>
          <xs:documentation/>
          <xs:documentation>Sum of Prepaid</xs:documentation>
          <xs:documentation>Sum of Transferred</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Code">
              <xs:annotation>
                <xs:documentation>Additional charges code</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
```

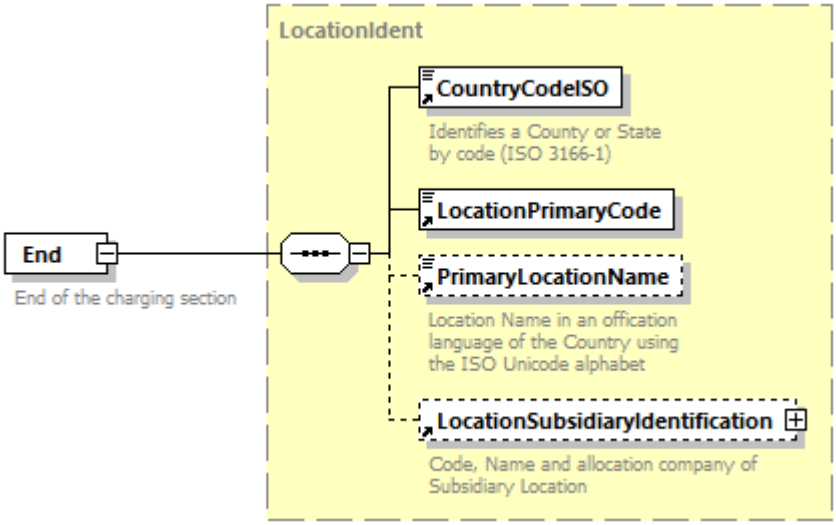
```
                <xs:restriction base="xs:string">
                  <xs:minLength value="1"/>
                  <xs:maxLength value="2"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:choice>
              <xs:element name="Prepaid" type="Money_Type">
                <xs:annotation>
                  <xs:documentation>Prepaid</xs:documentation>
                </xs:annotation>
              </xs:element>
              <xs:element name="Transferred" type="Money_Type">
                <xs:annotation>
                  <xs:documentation>Transferred</xs:documentation>
                </xs:annotation>
              </xs:element>
            </xs:choice>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/ChargingSections/Start**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation Start of the charging section

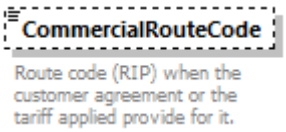
source	`<xs:element name="Start" type="LocationIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>Start of the charging section</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/ChargingSections/End**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation End of the charging section

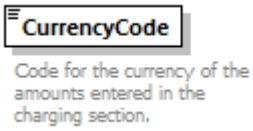
source	`<xs:element name="End" type="LocationIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>End of the charging section</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/ChargingSections/CommercialRouteCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1

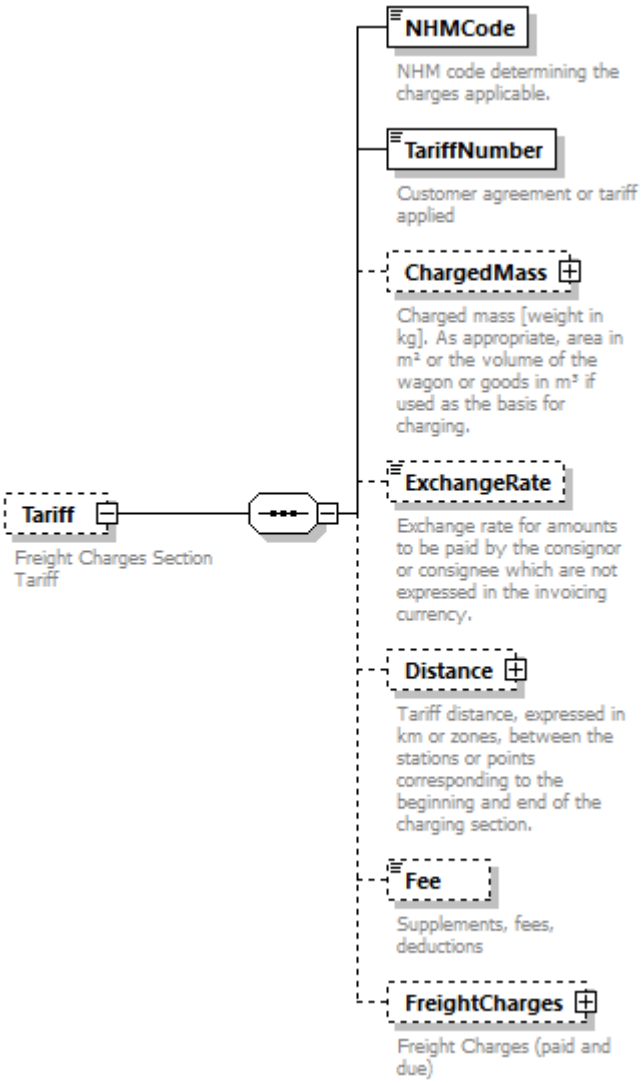
	content simple
facets	Kind Value Annotation length 3 pattern \d*[1-9]\d*
annotation	documentation Route code (RIP) when the customer agreement or the tariff applied provide for it.
source	<xs:element name="CommercialRouteCode" minOccurs="0"> <xs:annotation> <xs:documentation>Route code (RIP) when the customer agreement or the tariff applied provide for it. </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="3"/> <xs:pattern value="\d*[1-9]\d*"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ConsignmentOrderMessage/COMS/COM/ChargingSections/CurrencyCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CurrencyCode_Type**
properties	content simple
facets	Kind Value Annotation pattern [A-Z][A-Z][A-Z]
annotation	documentation Code for the currency of the amounts entered in the charging section.
source	<xs:element name="CurrencyCode" type="CurrencyCode_Type"> <xs:annotation> <xs:documentation>Code for the currency of the amounts entered in the charging section.</xs:documentation> </xs:annotation> </xs:element>

element **ConsignmentOrderMessage/COMS/COM/ChargingSections/Tariff**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**NHMCode TariffNumber ChargedMass ExchangeRate Distance Fee FreightCharges**
annotation	documentation Freight Charges Section Tariff

source

```
<xs:element name="Tariff" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Freight Charges Section Tariff</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="NHMCode" type="NHMCodeType">
        <xs:annotation>
          <xs:documentation>NHM code determining the charges
applicable.</xs:documentation>
```

```
        </xs:annotation>
      </xs:element>
      <xs:element name="TariffNumber">
        <xs:annotation>
          <xs:documentation>Customer agreement or tariff
applied</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="6"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ChargedMass" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Charged mass [weight in kg]. As appropriate, area in m²
or the volume of the wagon or goods in m³ if used as the basis for
charging.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="value">
              <xs:simpleType>
                <xs:restriction base="xs:decimal">
                  <xs:minInclusive value="1"/>
                  <xs:totalDigits value="8"/>
                  <xs:fractionDigits value="1"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="measure" minOccurs="0">
              <xs:simpleType>
                <xs:restriction base="xs:token">
                  <xs:enumeration value="kg"/>
                  <xs:enumeration value="m2"/>
                  <xs:enumeration value="m3"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="ExchangeRate" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Exchange rate for amounts to be paid by the consignor
or consignee which are not expressed in the invoicing currency.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:decimal">
            <xs:totalDigits value="18"/>
            <xs:fractionDigits value="3"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
```

```
      <xs:element name="Distance" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Tariff distance, expressed in km or zones, between the
stations or points corresponding to the beginning and end of the charging
section.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:choice>
            <xs:element name="KM">
              <xs:annotation>
                <xs:documentation>Tariff distance, expressed in km, between the
stations or points corresponding to the beginning and end of the charging
section.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:int">
                  <xs:minInclusive value="1"/>
                  <xs:maxInclusive value="99999"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="Zones">
              <xs:annotation>
                <xs:documentation>Tariff distance, expressed in zones, between the
stations or points corresponding to the beginning and end of the charging
section.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:int">
                  <xs:minInclusive value="1"/>
                  <xs:maxInclusive value="99"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:choice>
        </xs:complexType>
      </xs:element>
      <xs:element name="Fee" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Supplements, fees, deductions</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:int">
            <xs:totalDigits value="4"/>
            <xs:minInclusive value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="FreightCharges" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Freight Charges (paid and due)</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:choice>
            <xs:element name="Prepaid" type="Money_Type">
```

```
              <xs:annotation>
                <xs:documentation>Carriage charges to be paid by the consignor in
the tariff currency.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="Transferred" type="Money_Type">
              <xs:annotation>
                <xs:documentation>Carriage charges to be paid by the consignee in
the tariff currency.</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:choice>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/ChargingSections/Tariff/NHMCode**

diagram	**NHMCode** NHM code determining the charges applicable.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**NHMCodeType**
properties	content simple
facets	Kind Value Annotation length 6 pattern \d*[1-9]\d*
annotation	documentation NHM code determining the charges applicable.

source

```
<xs:element name="NHMCode" type="NHMCodeType">
  <xs:annotation>
    <xs:documentation>NHM code determining the charges
applicable.</xs:documentation>
  </xs:annotation>
</xs:element>
```

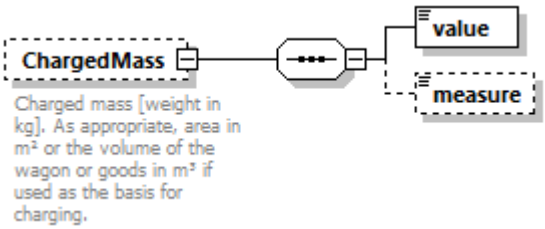
element **ConsignmentOrderMessage/COMS/COM/ChargingSections/Tariff/TariffNumber**

diagram	**TariffNumber** Customer agreement or tariff applied
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple

facets	Kind Value Annotation minLength 1 maxLength 6
annotation	documentation Customer agreement or tariff applied

source	`<xs:element name="TariffNumber">`
	`  <xs:annotation>`
	`  <xs:documentation>Customer agreement or tariff applied</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="6"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/ChargingSections/Tariff/ChargedMass**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**value** **measure**
annotation	documentation Charged mass [weight in kg]. As appropriate, area in m² or the volume of the wagon or goods in m³ if used as the basis for charging.

source	`<xs:element name="ChargedMass" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Charged mass [weight in kg]. As appropriate, area in m² or the volume of the wagon or goods in m³ if used as the basis for charging.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="value">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:decimal">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:totalDigits value="8"/>`
	`  <xs:fractionDigits value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`  </xs:element>`

```
      <xs:element name="measure" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:token">
            <xs:enumeration value="kg"/>
            <xs:enumeration value="m2"/>
            <xs:enumeration value="m3"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/ChargingSections/Tariff/ChargedMass/value**

diagram	value
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:decimal**
properties	content simple
facets	Kind / Value / Annotation minInclusive 1 totalDigits 8 fractionDigits 1

source

```
<xs:element name="value">
  <xs:simpleType>
    <xs:restriction base="xs:decimal">
      <xs:minInclusive value="1"/>
      <xs:totalDigits value="8"/>
      <xs:fractionDigits value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/ChargingSections/Tariff/ChargedMass/measure**

diagram	measure
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation enumeration kg enumeration m2 enumeration m3

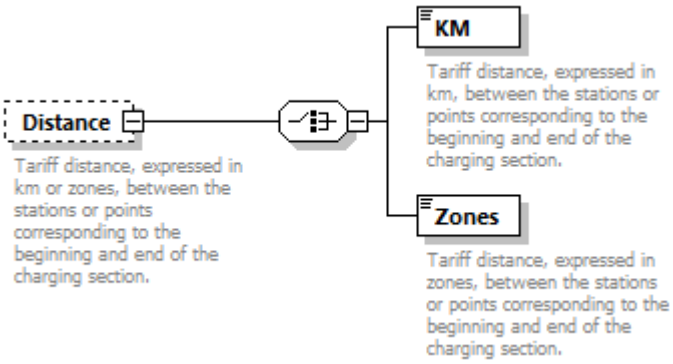
source	<xs:element name="measure" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="kg"/> <xs:enumeration value="m2"/> <xs:enumeration value="m3"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ConsignmentOrderMessage/COMS/COM/ChargingSections/Tariff/ExchangeRate**

diagram	ExchangeRate Exchange rate for amounts to be paid by the consignor or consignee which are not expressed in the invoicing currency.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:decimal**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation totalDigits 18 fractionDigits 3
annotation	documentation Exchange rate for amounts to be paid by the consignor or consignee which are not expressed in the invoicing currency.
source	<xs:element name="ExchangeRate" minOccurs="0"> <xs:annotation> <xs:documentation>Exchange rate for amounts to be paid by the consignor or consignee which are not expressed in the invoicing currency.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:totalDigits value="18"/> <xs:fractionDigits value="3"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ConsignmentOrderMessage/COMS/COM/ChargingSections/Tariff/Distance**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**KM** **Zones**
annotation	documentation Tariff distance, expressed in km or zones, between the stations or points corresponding to the beginning and end of the charging section.

source

```
<xs:element name="Distance" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Tariff distance, expressed in km or zones, between the
stations or points corresponding to the beginning and end of the charging
section.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:choice>
      <xs:element name="KM">
        <xs:annotation>
          <xs:documentation>Tariff distance, expressed in km, between the stations
or points corresponding to the beginning and end of the charging
section.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:int">
            <xs:minInclusive value="1"/>
            <xs:maxInclusive value="99999"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="Zones">
        <xs:annotation>
          <xs:documentation>Tariff distance, expressed in zones, between the
stations or points corresponding to the beginning and end of the charging
section.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:int">
            <xs:minInclusive value="1"/>
            <xs:maxInclusive value="99"/>
          </xs:restriction>
```

```
        </xs:simpleType>
      </xs:element>
    </xs:choice>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/ChargingSections/Tariff/Distance/KM**

diagram	KM Tariff distance, expressed in km, between the stations or points corresponding to the beginning and end of the charging section.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation Tariff distance, expressed in km, between the stations or points corresponding to the beginning and end of the charging section.

source

```
<xs:element name="KM">
  <xs:annotation>
    <xs:documentation>Tariff distance, expressed in km, between the stations or
points corresponding to the beginning and end of the charging
section.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:int">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="99999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM/ChargingSections/Tariff/Distance/Zones**

diagram	Zones Tariff distance, expressed in zones, between the stations or points corresponding to the beginning and end of the charging section.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	content simple

facets	Kind / Value / Annotation minInclusive 1 maxInclusive 99
annotation	documentation Tariff distance, expressed in zones, between the stations or points corresponding to the beginning and end of the charging section.

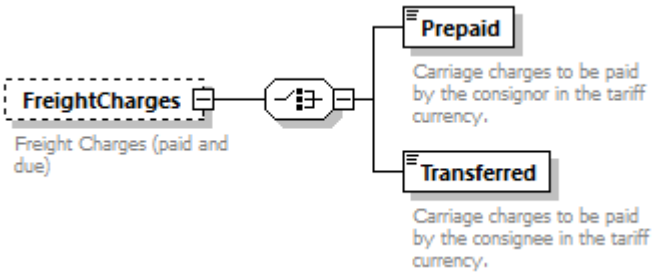
source	`<xs:element name="Zones">`
	`  <xs:annotation>`
	`  <xs:documentation>Tariff distance, expressed in zones, between the stations or points corresponding to the beginning and end of the charging section.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:int">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="99"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/ChargingSections/Tariff/Fee**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation minInclusive 1 totalDigits 4
annotation	documentation Supplements, fees, deductions

source	`<xs:element name="Fee" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Supplements, fees, deductions</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:int">`
	`  <xs:totalDigits value="4"/>`
	`  <xs:minInclusive value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

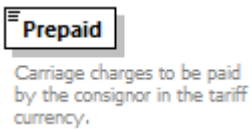
element **ConsignmentOrderMessage/COMS/COM/ChargingSections/Tariff/FreightCharges**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**Prepaid** **Transferred**
annotation	documentation Freight Charges (paid and due)

source

```
<xs:element name="FreightCharges" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Freight Charges (paid and due)</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:choice>
      <xs:element name="Prepaid" type="Money_Type">
        <xs:annotation>
          <xs:documentation>Carriage charges to be paid by the consignor in the
tariff currency.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="Transferred" type="Money_Type">
        <xs:annotation>
          <xs:documentation>Carriage charges to be paid by the consignee in the
tariff currency.</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:choice>
  </xs:complexType>
</xs:element>
```

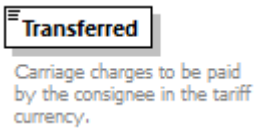
element **ConsignmentOrderMessage/COMS/COM/ChargingSections/Tariff/FreightCharges/Prepaid**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Money_Type**
properties	content simple

facets	Kind / Value / Annotation totalDigits 18 fractionDigits 2
annotation	documentation Carriage charges to be paid by the consignor in the tariff currency.

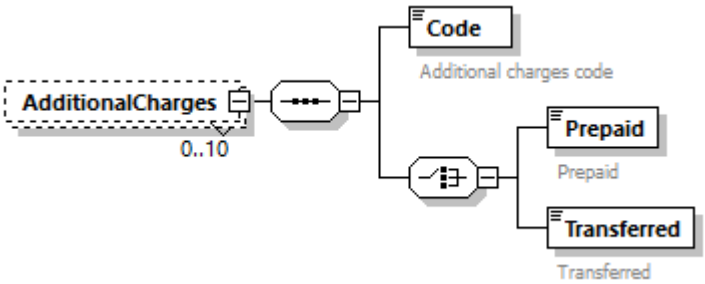
source	`<xs:element name="Prepaid" type="Money_Type">`
	`  <xs:annotation>`
	`  <xs:documentation>Carriage charges to be paid by the consignor in the tariff currency.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/ChargingSections/Tariff/FreightCharges/Transferred**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Money_Type**
properties	content simple
facets	Kind / Value / Annotation totalDigits 18 fractionDigits 2
annotation	documentation Carriage charges to be paid by the consignee in the tariff currency.

source	`<xs:element name="Transferred" type="Money_Type">`
	`  <xs:annotation>`
	`  <xs:documentation>Carriage charges to be paid by the consignee in the tariff currency.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/ChargingSections/AdditionalCharges**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 10

	content complex
children	**Code** **Prepaid** **Transferred**
annotation	documentation Sum of Prepaid documentation Sum of Transferred
source	

```xs:element
<xs:element name="AdditionalCharges" minOccurs="0" maxOccurs="10">
  <xs:annotation>
    <xs:documentation/>
    <xs:documentation>Sum of Prepaid</xs:documentation>
    <xs:documentation>Sum of Transferred</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Code">
        <xs:annotation>
          <xs:documentation>Additional charges code</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="2"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:choice>
        <xs:element name="Prepaid" type="Money_Type">
          <xs:annotation>
            <xs:documentation>Prepaid</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="Transferred" type="Money_Type">
          <xs:annotation>
            <xs:documentation>Transferred</xs:documentation>
          </xs:annotation>
        </xs:element>
      </xs:choice>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

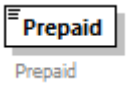
element **ConsignmentOrderMessage/COMS/COM/ChargingSections/AdditionalCharges/Code**

diagram	**Code** Additional charges code
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1

	maxLength 2
annotation	documentation Additional charges code

source	`<xs:element name="Code">`
	`  <xs:annotation>`
	`  <xs:documentation>Additional charges code</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="2"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/ChargingSections/AdditionalCharges/Prepaid**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Money_Type**
properties	content simple
facets	Kind Value Annotation totalDigits 18 fractionDigits 2
annotation	documentation Prepaid

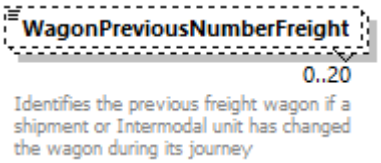
source	`<xs:element name="Prepaid" type="Money_Type">`
	`  <xs:annotation>`
	`  <xs:documentation>Prepaid</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ConsignmentOrderMessage/COMS/COM/ChargingSections/AdditionalCharges/Transferred**

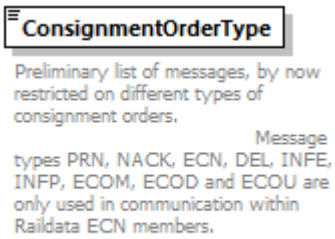
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Money_Type**
properties	content simple
facets	Kind Value Annotation totalDigits 18 fractionDigits 2
annotation	documentation Transferred

source	<xs:element name="Transferred" type="Money_Type"> <xs:annotation> <xs:documentation>Transferred</xs:documentation> </xs:annotation> </xs:element>

element **ConsignmentOrderMessage/COMS/COM/WagonPreviousNumberFreight**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **WagonIdent**
properties	minOcc 0 maxOcc 20 content simple
facets	Kind Value Annotation length 12 maxLength 12 pattern [0-9]{12}
annotation	documentation Identifies the previous freight wagon if a shipment or Intermodal unit has changed the wagon during its journey
source	<xs:element name="WagonPreviousNumberFreight" minOccurs="0" maxOccurs="20"> <xs:annotation> <xs:documentation>Identifies the previous freight wagon if a shipment or Intermodal unit has changed the wagon during its journey</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="WagonIdent"> <xs:length value="12"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ConsignmentOrderType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	restriction of **xs:token**
properties	content simple
used by	element **ConsignmentOrderMessage/COMS/COM_Header**
facets	Kind / Value / Annotation enumeration ECN — documentation: ECN: Electronic consignment note. MessageType will be sent up to the interchange point where the transport is handed over to the next carrier involved in the transport (being ECN capable). enumeration NACK — documentation: NotAcknowledged. Message is only sent out by the CDS, in case an ECN is received and the next carrier who is to receive this ECN is not ECN-capable enumeration PRN — documentation: At the beginning of an ECN transport the shipping carrier sends the prior notification as preannouncement to all participating carriers (as far as they are able to process an ECN) enumeration INFE — documentation: Information ECN: This MessageType has only informative character and can be used to inform other participating carriers about changes before hand-over of the ECN. enumeration INFP — documentation: Information PCN: This MessageType has only informative character and may only be used to inform other participating carriers about the change from electronic transport to paper accompanied transport. enumeration CANCEL — documentation: The CANCEL message can only be send by the lead/contractual or the shipping carrier BEFORE the first hand-over of the ECN. By doing so, all participating carriers will receive a DEL message to inform them about the cancellation of their part of the transport. enumeration DEL — documentation: This message is being created by the central application, only. The receiving carrier is being informed, that his part of the transport has been cancelled. enumeration ECTD — documentation: Basic message type for transports accompanied by a paper consignment note message. enumeration EUTD — documentation: Basic update message type for transports accompanied by a paper consignment note message enumeration EDTD — documentation: Basic deletion message type for transports accompanied by a paper consignment note message. enumeration ECOM — documentation: Electronic consignment order message for carriers in role 3.Used for paperless transport only. enumeration ECOU — documentation: Update message for ECOM enumeration ECOD — documentation: Deletion message for ECOM
annotation	documentation Preliminary list of messages, by now restricted on different types of consignment orders. Message types PRN, NACK, ECN, DEL, INFE, INFP, ECOM, ECOD and ECOU are only used in communication within Raildata ECN members.

source

```
<xs:element name="ConsignmentOrderType">
  <xs:annotation>
    <xs:documentation>Preliminary list of messages, by now restricted on different types of consignment orders.
                      Message types PRN, NACK, ECN, DEL, INFE, INFP, ECOM, ECOD and ECOU are only used in communication within Raildata ECN members.
                      </xs:documentation>
  </xs:annotation>
```

```
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="ECN">
        <xs:annotation>
          <xs:documentation>ECN: Electronic consignment note. MessageType will be
sent up to the interchange point where the transport is handed over to the next carrier
involved in the transport (being ECN capable). </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="NACK">
        <xs:annotation>
          <xs:documentation>NotAcknowledged. Message is only sent out by the CDS,
in case an ECN is received and the next carrier who is to receive this ECN is not
ECN-capable</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="PRN">
        <xs:annotation>
          <xs:documentation>At the beginning of an ECN transport the shipping
carrier sends the prior notification as preannouncement to all participating carriers
(as far as they are able to process an ECN)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="INFE">
        <xs:annotation>
          <xs:documentation>Information ECN: This MessageType has only informative
character and can be used to inform other participating carriers about changes before
hand-over of the ECN.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="INFP">
        <xs:annotation>
          <xs:documentation>Information PCN: This MessageType has only informative
character and may only be used to inform other participating carriers about the change
from electronic transport to paper accompanied transport.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="CANCEL">
        <xs:annotation>
          <xs:documentation>The CANCEL message can only be send by the
lead/contractual or the shipping carrier BEFORE the first hand-over of the ECN. By
doing so, all participating carriers will receive a DEL message to inform them about
the cancellation of their part of the transport.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="DEL">
        <xs:annotation>
          <xs:documentation>This message is being created by the central
application, only. The receiving carrier is being informed, that his part of the
transport has been cancelled.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="ECTD">
        <xs:annotation>
          <xs:documentation>Basic message type for transports accompanied by a paper
```

```
consignment note message.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="EUTD">
        <xs:annotation>
          <xs:documentation>Basic update  message type for transports accompanied
by a paper consignment note message</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="EDTD">
        <xs:annotation>
          <xs:documentation>Basic deletion message type for transports accompanied
by a paper consignment note message.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="ECOM">
        <xs:annotation>
          <xs:documentation>Electronic consignment order message for carriers in
role 3.Used for paperless transport only.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="ECOU">
        <xs:annotation>
          <xs:documentation>Update message for ECOM</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="ECOD">
        <xs:annotation>
          <xs:documentation>Deletion message for ECOM</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ConsignorDeclarationCode**

diagram	ConsignorDeclarationCode Carrier declaration code.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **ConsignmentOrderMessage/COMS/COM/ConsignorDeclarations**
facets	Kind / Value / Annotation enumeration 1 documentation Consignee not-authorised to take control of the goods enumeration 2 documentation Authorised consignee (within the meaning of customs law) enumeration 3 documentation Escort(s) ... [name(s), first name(s)]

	enumeration	4	documentation Filled mass [weight]: ... (for tank-wagons refilled without having been cleaned - see RID section 5.4.1.2.2c)
	enumeration	5	documentation Emergency telephone number for irregularities or accidents with dangerous goods
	enumeration	6	documentation Not to be passed to a substitute carrier
	enumeration	7	documentation Loading by the carrier
	enumeration	8	documentation Unloading by the carrier
	enumeration	9	documentation Agreed transit period: ...
	enumeration	10	documentation Completion of administrative formalities: ... (see CIM Article 15)
	enumeration	11	documentation Exceptional consignment: ... (reference number for each of the rail carriers/infrastructure managers involved)
	enumeration	12	documentation Number of flat pallets marked "EUR" and exchangeable in the European Pallet Pool
	enumeration	13	documentation Number of box-pallets marked "EUR" and exchangeable in the European Box-Pallet Pool
	enumeration	14	documentation If the carrier's wagon sheets are used: number of sheets, abbreviation for the carrier and wagon sheet number(s)
	enumeration	15	documentation If the carrier's straps are used: number of straps and abbreviation for the carrier
	enumeration	16	documentation Other declarations: ... (designation of a representative, designation of a substitute carrier, request for attention to be given to the consignment en route, etc.)
	enumeration	17	documentation Shipment details for port traffic: ...
	enumeration	18	documentation Used for CUV transports, only. Restrictions on the operation of the wagon known to the consignor (e.g. limited speed, etc.)
	enumeration	24	documentation Dangerous goods packed in limited quantities the total gross mass of which exceeds eight tonnes per transport unit.
	enumeration	25	documentation Wagon keeper according to article 17 AVV (Name)
	enumeration	31	documentation CH import declaration by DB Cargo
	enumeration	32	documentation CH import declaration by SBB Cargo
	enumeration	33	documentation CH import declaration by third parties
annotation	documentation Carrier declaration code.		

source

```
<xs:element name="ConsignorDeclarationCode">
  <xs:annotation>
    <xs:documentation>Carrier declaration code.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>Consignee not-authorised to take control of the
goods</xs:documentation>
        </xs:annotation>
```

```
      </xs:enumeration>
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>Authorised consignee (within the meaning of customs
law)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="3">
        <xs:annotation>
          <xs:documentation>Escort(s) ... [name(s), first
name(s)]</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="4">
        <xs:annotation>
          <xs:documentation>Filled mass [weight]: ... (for tank-wagons refilled
without having been cleaned - see RID section 5.4.1.2.2c)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="5">
        <xs:annotation>
          <xs:documentation>Emergency telephone number for irregularities or
accidents with dangerous goods</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="6">
        <xs:annotation>
          <xs:documentation>Not to be passed to a substitute
carrier</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="7">
        <xs:annotation>
          <xs:documentation>Loading by the carrier</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="8">
        <xs:annotation>
          <xs:documentation>Unloading by the carrier</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="9">
        <xs:annotation>
          <xs:documentation>Agreed transit period: ...</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="10">
        <xs:annotation>
          <xs:documentation>Completion of administrative formalities: ... (see CIM
Article 15)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="11">
        <xs:annotation>
          <xs:documentation>Exceptional consignment: ... (reference number for each
```

```
of the rail carriers/infrastructure managers involved)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="12">
        <xs:annotation>
          <xs:documentation>Number of flat pallets marked "EUR" and exchangeable in
the European Pallet Pool</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="13">
        <xs:annotation>
          <xs:documentation>Number of box-pallets marked "EUR" and exchangeable in
the European Box-Pallet Pool</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="14">
        <xs:annotation>
          <xs:documentation>If the carrier's wagon sheets are used: number of
sheets, abbreviation for the carrier and wagon sheet number(s)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="15">
        <xs:annotation>
          <xs:documentation>If the carrier's straps are used: number of straps and
abbreviation for the carrier</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="16">
        <xs:annotation>
          <xs:documentation>Other declarations: ... (designation of a
representative, designation of a substitute carrier, request for attention to be
given to the consignment en route, etc.)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="17">
        <xs:annotation>
          <xs:documentation>Shipment details for port traffic:
...</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="18">
        <xs:annotation>
          <xs:documentation>Used for CUV transports, only. Restrictions on the
operation of the wagon known to the consignor (e.g. limited speed,
etc.)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="24">
        <xs:annotation>
          <xs:documentation>Dangerous goods packed in limited quantities the total
gross mass of which exceeds eight tonnes per transport unit.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="25">
        <xs:annotation>
```

```
          <xs:documentation>Wagon keeper according to article 17 AVV
(Name)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="31">
        <xs:annotation>
          <xs:documentation>CH import declaration by DB Cargo</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="32">
        <xs:annotation>
          <xs:documentation>CH import declaration by SBB Cargo</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="33">
        <xs:annotation>
          <xs:documentation>CH import declaration by third
parties</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ContainerHandlingFlag**

diagram	**ContainerHandlingFlag** This establishment is able to handle container traffic
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
used by	element **LocationPrimaryInformation**
annotation	documentation This establishment is able to handle container traffic

source

```
<xs:element name="ContainerHandlingFlag" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>This establishment is able to handle container
traffic</xs:documentation>
  </xs:annotation>
</xs:element>
```

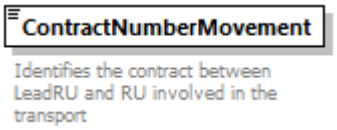
element **ContractNumber**

diagram	**ContractNumber** Number of agreement between LeadRU and Responsible RU

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind / Value / Annotation minLength 1 documentation has to be sent as n6 (with leading zeros if necessary) maxLength 6
annotation	documentation Number of agreement between LeadRU and Responsible RU

source	`<xs:element name="ContractNumber">`
	`  <xs:annotation>`
	`  <xs:documentation>Number of agreement between LeadRU and Responsible RU</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1">`
	`  <xs:annotation>`
	`  <xs:documentation>has to be sent as n6 (with leading zeros if necessary)</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:minLength>`
	`  <xs:maxLength value="6"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ContractNumberMovement**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
facets	Kind / Value / Annotation minLength 1 maxLength 255
annotation	documentation Identifies the contract between LeadRU and RU involved in the transport

source	`<xs:element name="ContractNumberMovement" type="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the contract between LeadRU and RU involved in the transport</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **CoordinatingIM**

diagram	**CoordinatingIM** The coordinating (leading) IM coordinates the agreement process for the IM's. It is the primary point of contact for the RU's. Certain critical stages in the international timetabling process are initiated by the leading IM, such as transfer the path request to path elaboration to involved IMs in order to prepare the offer with the partner-IMs.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
used by	elements **ObjectInfoMessage** **PathCanceledMessage** **PathConfirmedMessage** **PathCoordinationMessage** **PathDetailsMessage** **PathDetailsRefusedMessage** **PathNotAvailableMessage** **PathRequestMessage** **PathSectionNotificationMessage** complexTypes **CapacityModelType** **TCRType**
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation The coordinating (leading) IM coordinates the agreement process for the IM's. It is the primary point of contact for the RU's. Certain critical stages in the international timetabling process are initiated by the leading IM, such as transfer the path request to path elaboration to involved IMs in order to prepare the offer with the partner-IMs.
source	`<xs:element name="CoordinatingIM" type="CompanyCode">` `  <xs:annotation>` ` <xs:documentation>The coordinating (leading) IM coordinates the agreement process for the IM's. It is the primary point of contact for the RU's. Certain critical stages in the international timetabling process are initiated by the leading IM, such as transfer the path request to path elaboration to involved IMs in order to prepare the offer with the partner-IMs. </xs:documentation>` ` </xs:annotation>` `</xs:element>`

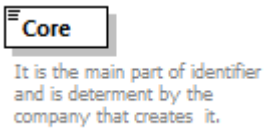
element **CoordinationStatus**

diagram	**CoordinationStatus** Defines the Status of the Coordination Process
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple

used by	complexType **AffectedIMType**
facets	Kind / Value / Annotation enumeration AGREED enumeration DISAGREED enumeration OPEN
annotation	documentation Defines the Status of the Coordination Process

source	`<xs:element name="CoordinationStatus">`
	`  <xs:annotation>`
	`  <xs:documentation>Defines the Status of the Coordination Process</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:token">`
	`  <xs:enumeration value="AGREED"/>`
	`  <xs:enumeration value="DISAGREED"/>`
	`  <xs:enumeration value="OPEN"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **Core**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	complexTypes **CompositIdentifierOperationalType** **CompositIdentifierPlannedType**
facets	Kind / Value / Annotation minLength 12 maxLength 12 whiteSpace replace pattern [\-*0-9A-Z]{12}
annotation	documentation It is the main part of identifier and is determent by the company that creates it.

source	`<xs:element name="Core">`
	`  <xs:annotation>`
	`  <xs:documentation>It is the main part of identifier and is determent by the company that creates it.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="12"/>`
	`  <xs:whiteSpace value="replace"/>`

```
      <xs:maxLength value="12"/>
      <xs:pattern value="[\-\*0-9A-Z]{12}"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **CountryCodeISO**

diagram	CountryCodeISO Identifies a County or State by code (ISO 3166-1)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **CountryIdentISO**
properties	content complex
used by	elements **RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber** **RollingRoadUnit/RollingRoadUnitDetails/Haulier** **LocationFileDatasetMessage** **RollingRoadUnit/RollingRoadUnitDetails/Vehicles** complexTypes **CustomerCode** **LocationIdent**
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation Identifies a County or State by code (ISO 3166-1)

source

```
<xs:element name="CountryCodeISO">
  <xs:annotation>
    <xs:documentation>Identifies a County or State by code (ISO
3166-1)</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="CountryIdentISO"/>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
```

element **CouplingType**

diagram	CouplingType Classification of coupling
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	elements **RollingStockDataset/DesignDataSet** **RollingStockTechnicalData** **UnitTechnicalData** **WagonTechData**
facets	Kind Value Annotation enumeration 0 documentation without coupler

	enumeration 1 — documentation: non-reinforced coupler less than 85t enumeration 2 — documentation: reinforced coupler equals to 85t enumeration 3 — documentation: ultra-reinforced coupler greater than 85t enumeration 4 — documentation: automatic coupling
annotation	documentation Classification of coupling
source	

```
<xs:element name="CouplingType">
  <xs:annotation>
    <xs:documentation>Classification of coupling</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="0">
        <xs:annotation>
          <xs:documentation>without coupler</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>non-reinforced coupler less than
85t</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>reinforced coupler equals to 85t</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="3">
        <xs:annotation>
          <xs:documentation>ultra-reinforced coupler greater than
85t</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="4">
        <xs:annotation>
          <xs:documentation>automatic coupling</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

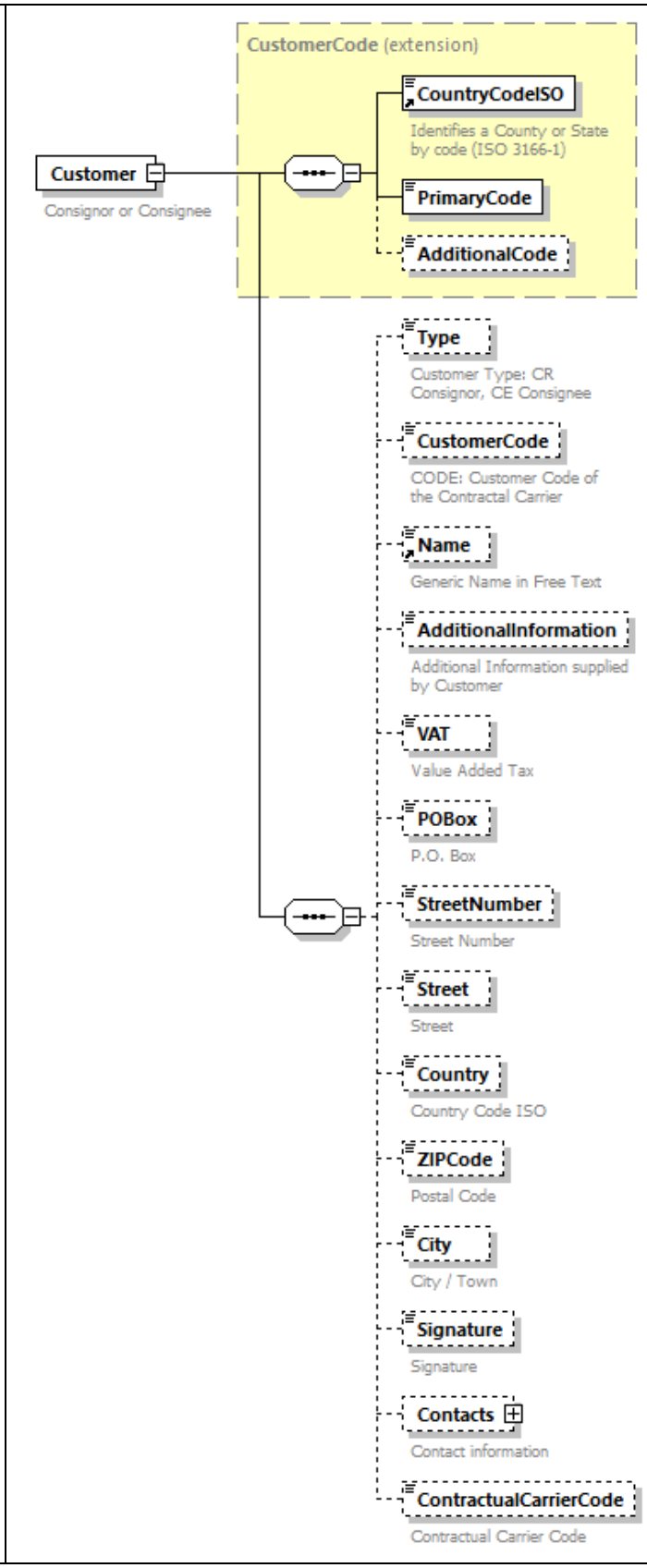
element **CreateDateTime**

diagram	CreateDateTime Date and Time of creation of data

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
annotation	documentation Date and Time of creation of data
source	<xs:element name="CreateDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date and Time of creation of data </xs:documentation> </xs:annotation> </xs:element>

element **Customer**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **CustomerCode**
properties	content complex
children	**CountryCodeISO** **PrimaryCode** **AdditionalCode** **Type** **CustomerCode** **Name** **AdditionalInformation** **VAT** **POBox** **StreetNumber** **Street** **Country** **ZIPCode** **City** **Signature** **Contacts** **ContractualCarrierCode**
annotation	documentation Consignor or Consignee

source

```
<xs:element name="Customer">
  <xs:annotation>
    <xs:documentation>Consignor or Consignee</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="CustomerCode">
        <xs:sequence>
          <xs:element name="Type" minOccurs="0">
            <xs:annotation>
              <xs:documentation>Customer Type: CR Consignor, CE
Consignee</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:token">
                <xs:enumeration value="CR"/>
                <xs:enumeration value="CE"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="CustomerCode" minOccurs="0">
            <xs:annotation>
              <xs:documentation>CODE: Customer Code of the Contractal
Carrier</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:minLength value="1"/>
                <xs:maxLength value="16"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element ref="Name" minOccurs="0"/>
          <xs:element name="AdditionalInformation" minOccurs="0">
            <xs:annotation>
              <xs:documentation>Additional Information supplied by
Customer</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:minLength value="1"/>
                <xs:maxLength value="45"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
```

```
<xs:element name="VAT" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Value Added Tax</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="25"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="POBox" minOccurs="0">
  <xs:annotation>
    <xs:documentation>P.O. Box</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="35"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="StreetNumber" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Street Number</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="5"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="Street" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Street</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="35"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="Country" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Country Code ISO</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:length value="2"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="ZIPCode" minOccurs="0">
```

```
            <xs:annotation>
              <xs:documentation>Postal Code</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:minLength value="1"/>
                <xs:maxLength value="9"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="City" minOccurs="0">
            <xs:annotation>
              <xs:documentation>City / Town</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:minLength value="1"/>
                <xs:maxLength value="35"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="Signature" minOccurs="0">
            <xs:annotation>
              <xs:documentation>Signature</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:minLength value="1"/>
                <xs:maxLength value="35"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="Contacts" minOccurs="0">
            <xs:annotation>
              <xs:documentation>Contact information</xs:documentation>
            </xs:annotation>
            <xs:complexType>
              <xs:sequence>
                <xs:element name="PhonNumber" minOccurs="0">
                  <xs:annotation>
                    <xs:documentation>Telephone Number</xs:documentation>
                  </xs:annotation>
                  <xs:simpleType>
                    <xs:restriction base="xs:string">
                      <xs:minLength value="1"/>
                      <xs:maxLength value="30"/>
                    </xs:restriction>
                  </xs:simpleType>
                </xs:element>
                <xs:element ref="FaxNumber" minOccurs="0"/>
                <xs:element ref="eMail" minOccurs="0"/>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
          <xs:element name="ContractualCarrierCode" minOccurs="0">
```

```
            <xs:annotation>
              <xs:documentation>Contractual Carrier Code</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:length value="4"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
```

element **Customer/Type**

diagram	Type Customer Type: CR Consignor, CE Consignee
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation enumeration CR enumeration CE
annotation	documentation Customer Type: CR Consignor, CE Consignee

source

```
<xs:element name="Type" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Customer Type: CR Consignor, CE Consignee</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="CR"/>
      <xs:enumeration value="CE"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

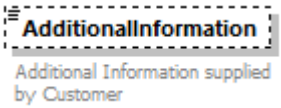
element **Customer/CustomerCode**

diagram	CustomerCode CODE: Customer Code of the Contractal Carrier
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 16
annotation	documentation CODE: Customer Code of the Contractal Carrier

source	`<xs:element name="CustomerCode" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>CODE: Customer Code of the Contractal Carrier</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="16"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **Customer/AdditionalInformation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 45
annotation	documentation Additional Information supplied by Customer

source	`<xs:element name="AdditionalInformation" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Additional Information supplied by Customer</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="45"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **Customer/VAT**

diagram	VAT Value Added Tax
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 25
annotation	documentation Value Added Tax

source	`<xs:element name="VAT" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Value Added Tax</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="25"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **Customer/POBox**

diagram	POBox P.O. Box
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation P.O. Box

source	`<xs:element name="POBox" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>P.O. Box</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`

```
      <xs:minLength value="1"/>
      <xs:maxLength value="35"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Customer/StreetNumber**

diagram	StreetNumber Street Number
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 5
annotation	documentation Street Number

source	`<xs:element name="StreetNumber" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Street Number</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="5"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **Customer/Street**

diagram	Street Street
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Street

source	<xs:element name="Street" minOccurs="0"> <xs:annotation> <xs:documentation>Street</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element>

element **Customer/Country**

diagram	Country Country Code ISO
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation length 2
annotation	documentation Country Code ISO
source	<xs:element name="Country" minOccurs="0"> <xs:annotation> <xs:documentation>Country Code ISO</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="2"/> </xs:restriction> </xs:simpleType> </xs:element>

element **Customer/ZIPCode**

diagram	ZIPCode Postal Code
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1

	maxLength 9
annotation	documentation Postal Code
source	<xs:element name="ZIPCode" minOccurs="0"> <xs:annotation> <xs:documentation>Postal Code</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="9"/> </xs:restriction> </xs:simpleType> </xs:element>

element **Customer/City**

diagram	City City / Town
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation City / Town
source	<xs:element name="City" minOccurs="0"> <xs:annotation> <xs:documentation>City / Town</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element>

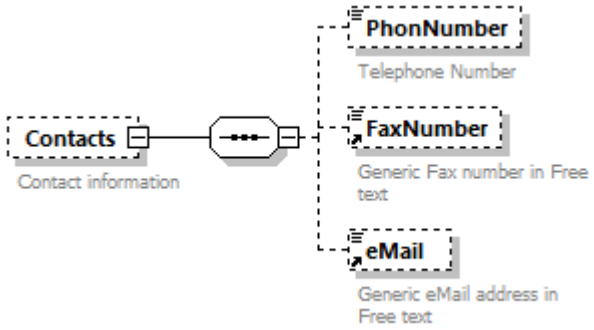
element **Customer/Signature**

diagram	Signature Signature
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Signature

source	`<xs:element name="Signature" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Signature</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="35"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **Customer/Contacts**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**PhonNumber** **FaxNumber** **eMail**
annotation	documentation Contact information

source	`<xs:element name="Contacts" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Contact information</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="PhonNumber" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Telephone Number</xs:documentation>`
	`  </xs:annotation>`

```
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="30"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="FaxNumber" minOccurs="0"/>
      <xs:element ref="eMail" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **Customer/Contacts/PhonNumber**

diagram	PhonNumber Telephone Number
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 30
annotation	documentation Telephone Number

source

```
<xs:element name="PhonNumber" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Telephone Number</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="30"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

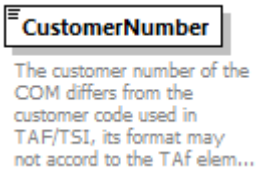
element **Customer/ContractualCarrierCode**

diagram	ContractualCarrierCode Contractual Carrier Code
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1

	content simple
facets	Kind Value Annotation length 4
annotation	documentation Contractual Carrier Code

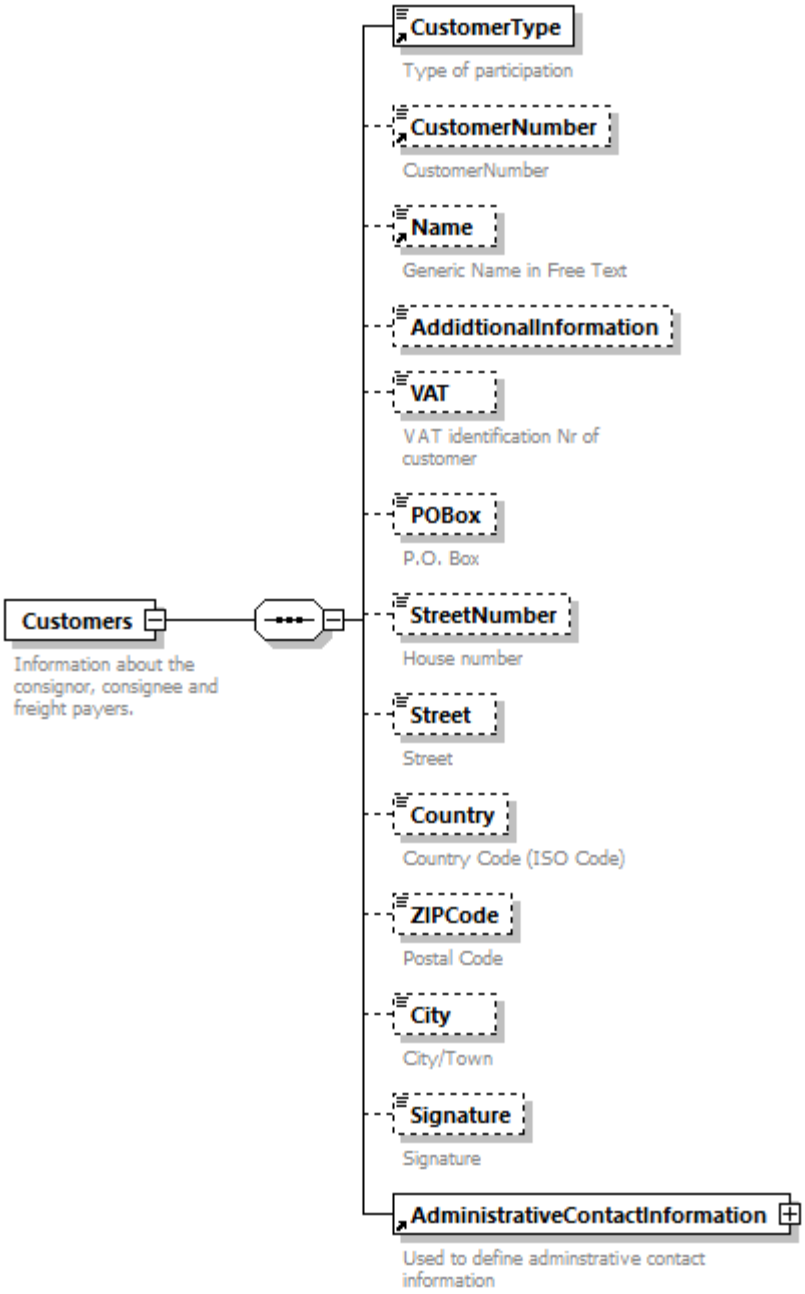
source	`<xs:element name="ContractualCarrierCode" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Contractual Carrier Code</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:length value="4"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **CustomerNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	elements **Customers** **LoadingFacility**
facets	Kind Value Annotation minLength 1 maxLength 16
annotation	documentation The customer number of the COM differs from the customer code used in TAF/TSI, its format may not accord to the TAf element

source	`<xs:element name="CustomerNumber">`
	`  <xs:annotation>`
	`  <xs:documentation>The customer number of the COM differs from the customer code used in TAF/TSI, its format may not accord to the TAf element</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="16"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **Customers**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**CustomerType** **CustomerNumber** **Name** **AddidtionalInformation** **VAT** **POBox** **StreetNumber** **Street** **Country** **ZIPCode** **City** **Signature** **AdministrativeContactInformation**
used by	element **ConsignmentOrderMessage/COMS/COM**
annotation	documentation Information about the consignor, consignee and freight payers.
source	`<xs:element name="Customers">` `  <xs:annotation>`

```
    <xs:documentation>Information about the consignor, consignee and freight
payers.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="CustomerType"/>
      <xs:element ref="CustomerNumber" minOccurs="0">
        <xs:annotation>
          <xs:documentation>CustomerNumber</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="Name" minOccurs="0"/>
      <xs:element name="AddidtionalInformation" minOccurs="0"/>
      <xs:element name="VAT" minOccurs="0">
        <xs:annotation>
          <xs:documentation>VAT identification Nr of customer</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="25"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="POBox" minOccurs="0">
        <xs:annotation>
          <xs:documentation>P.O. Box</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="35"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="StreetNumber" minOccurs="0">
        <xs:annotation>
          <xs:documentation>House number</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="5"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="Street" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Street</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="35"/>
          </xs:restriction>
```

```
          </xs:simpleType>
        </xs:element>
        <xs:element name="Country" type="CountryIdentISO" minOccurs="0">
          <xs:annotation>
            <xs:documentation>Country Code (ISO Code)</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="ZIPCode" minOccurs="0">
          <xs:annotation>
            <xs:documentation>Postal Code</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:minLength value="1"/>
              <xs:maxLength value="9"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <xs:element name="City" minOccurs="0">
          <xs:annotation>
            <xs:documentation>City/Town</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:minLength value="1"/>
              <xs:maxLength value="35"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <xs:element name="Signature" minOccurs="0">
          <xs:annotation>
            <xs:documentation>Signature</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:minLength value="1"/>
              <xs:maxLength value="35"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <xs:element ref="AdministrativeContactInformation"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
```

element **Customers/AddidtionalInformation**

diagram	AddidtionalInformation
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1

source	`<xs:element name="AddidtionalInformation" minOccurs="0"/>`

element **Customers/VAT**

diagram	VAT VAT identification Nr of customer
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 25
annotation	documentation VAT identification Nr of customer

source	`<xs:element name="VAT" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>VAT identification Nr of customer</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="25"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

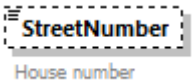
element **Customers/POBox**

diagram	POBox P.O. Box
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation P.O. Box

source	`<xs:element name="POBox" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>P.O. Box</xs:documentation>`

```
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="35"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Customers/StreetNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 5
annotation	documentation House number

source	`<xs:element name="StreetNumber" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>House number</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="5"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **Customers/Street**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35

annotation	documentation Street
source	<xs:element name="Street" minOccurs="0"> <xs:annotation> <xs:documentation>Street</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element>

element **Customers/Country**

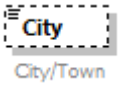
diagram	Country Country Code (ISO Code)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CountryIdentISO**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation Country Code (ISO Code)
source	<xs:element name="Country" type="CountryIdentISO" minOccurs="0"> <xs:annotation> <xs:documentation>Country Code (ISO Code)</xs:documentation> </xs:annotation> </xs:element>

element **Customers/ZIPCode**

diagram	ZIPCode Postal Code
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 9

annotation	documentation Postal Code
source	<xs:element name="ZIPCode" minOccurs="0"> <xs:annotation> <xs:documentation>Postal Code</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="9"/> </xs:restriction> </xs:simpleType> </xs:element>

element **Customers/City**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation City/Town
source	<xs:element name="City" minOccurs="0"> <xs:annotation> <xs:documentation>City/Town</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element>

element **Customers/Signature**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**

properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Signature

source	`<xs:element name="Signature" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Signature</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="35"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **CustomerType**

diagram	CustomerType Type of participation
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **Customers**
facets	Kind Value Annotation enumeration CR documentation Consignor enumeration CE documentation Consignee enumeration FPCR documentation Freight payer enumeration FPCE documentation Freight payer CE
annotation	documentation Type of participation

source	`<xs:element name="CustomerType">`
	`  <xs:annotation>`
	`  <xs:documentation>Type of participation</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:token">`
	`  <xs:enumeration value="CR">`
	`  <xs:annotation>`
	`  <xs:documentation>Consignor</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:enumeration>`

```
      <xs:enumeration value="CE">
        <xs:annotation>
          <xs:documentation>Consignee</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="FPCR">
        <xs:annotation>
          <xs:documentation>Freight payer</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="FPCE">
        <xs:annotation>
          <xs:documentation>Freight  payer CE</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **DangerLabel**

diagram	**DangerLabel** All Danger Label of this dangerous good according to the RID chapter 3.2, table A, column 5, excepting the shunting labels Model 13 and 15 (CODE: OTIF RID-Specification).
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **RID** complexType **DanGoodsType**
facets	Kind / Value / Annotation enumeration 1 — documentation: Explosive materials, divisions 1.1, 1.2 and 1.3 enumeration 1.4 — documentation: Explosive materials, division 1.4 enumeration 1.5 — documentation: Explosive materials, division 1.5 enumeration 1.6 — documentation: Explosive materials, division 1.6 enumeration 2.1 — documentation: Flammable gases enumeration 2.2 — documentation: Non-flammable, non-toxic gases enumeration 2.3 — documentation: Toxic gases enumeration 3 — documentation: Flammable liquids enumeration 4.1 — documentation: Flammable solids , self-reactive substances and solid desensitized explosives enumeration 4.2 — documentation

			Substances liable to spontaneous combustion
	enumeration	4.3	documentation
			Substances which, in contact with water, emit flammable gases
	enumeration	5.1	documentation
			Oxidizing substances
	enumeration	5.2	documentation
			Organic peroxides
	enumeration	6.1	documentation
			Toxic substances
	enumeration	6.2	documentation
			Infectious substances
	enumeration	7A	documentation
			Radioactive material, category I
	enumeration	7B	documentation
			Radioactive material, category II
	enumeration	7C	documentation
			Radioactive material, category III
	enumeration	7D	documentation
			(obsolete) should be used for general information about class 7
	enumeration	7E	documentation
			Fissile radioactive material
	enumeration	8	documentation
			Corrosive substances
	enumeration	9	documentation
			Miscellaneous dangerous substances and articles
	enumeration	9A	
	enumeration	1 (+13)	
	enumeration	1 (+15)	
	enumeration	1.4+6.1	
	enumeration	1.4+6.1+8	
	enumeration	1.4+8	
	enumeration	1+6.1	
	enumeration	1+6.1 (+13)	
	enumeration	1+6.1 (+15)	
	enumeration	1+6.1+8	
	enumeration	1+8	
	enumeration	2.1 (+13)	
	enumeration	2.1+6.1	
	enumeration	2.1+6.1+8	
	enumeration	2.1+6.1	
	enumeration	2.1+8	
	enumeration	2.2 (+13)	
	enumeration	2.2+5.1+6.1	
	enumeration	2.2+5.1+6.1+8	
	enumeration	2.2+5.1+8	
	enumeration	2.2+6.1	
	enumeration	2.2+6.1+8	
	enumeration	2.2+5.1	
	enumeration	2.2+5.1 (+13)	
	enumeration	2.2+6.1	
	enumeration	2.2+8	
	enumeration	2.3 (+13)	

	enumeration 2.3+2.1 enumeration 2.3+2.1 (+13) enumeration 2.3+2.1+8 enumeration 2.3+2.1+8 (+13) enumeration 2.3+5.1 enumeration 2.3+5.1 (+13) enumeration 2.3+5.1+8 enumeration 2.3+5.1+8 (+13) enumeration 2.3+8 enumeration 2.3+8 (+13) enumeration 4.1+1 enumeration 5.2+1 enumeration 6.1+4.1 enumeration 6.1+8 enumeration 6.2+2.2 enumeration 7X enumeration 7X+7E enumeration 8+6.1 enumeration 9+2.2
annotation	documentation All Danger Label of this dangerous good according to the RID chapter 3.2, table A, column 5, excepting the shunting labels Model 13 and 15 (CODE: OTIF RID-Specification).
source	<xs:element name="DangerLabel"> <xs:annotation> <xs:documentation>All Danger Label of this dangerous good according to the RID chapter 3.2, table A, column 5, excepting the shunting labels Model 13 and 15 (CODE: OTIF RID-Specification).</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>Explosive materials, divisions 1.1, 1.2 and 1.3</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="1.4"> <xs:annotation> <xs:documentation>Explosive materials, division 1.4</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="1.5"> <xs:annotation> <xs:documentation>Explosive materials, division 1.5</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="1.6"> <xs:annotation> <xs:documentation>Explosive materials, division 1.6</xs:documentation> </xs:annotation> </xs:enumeration>

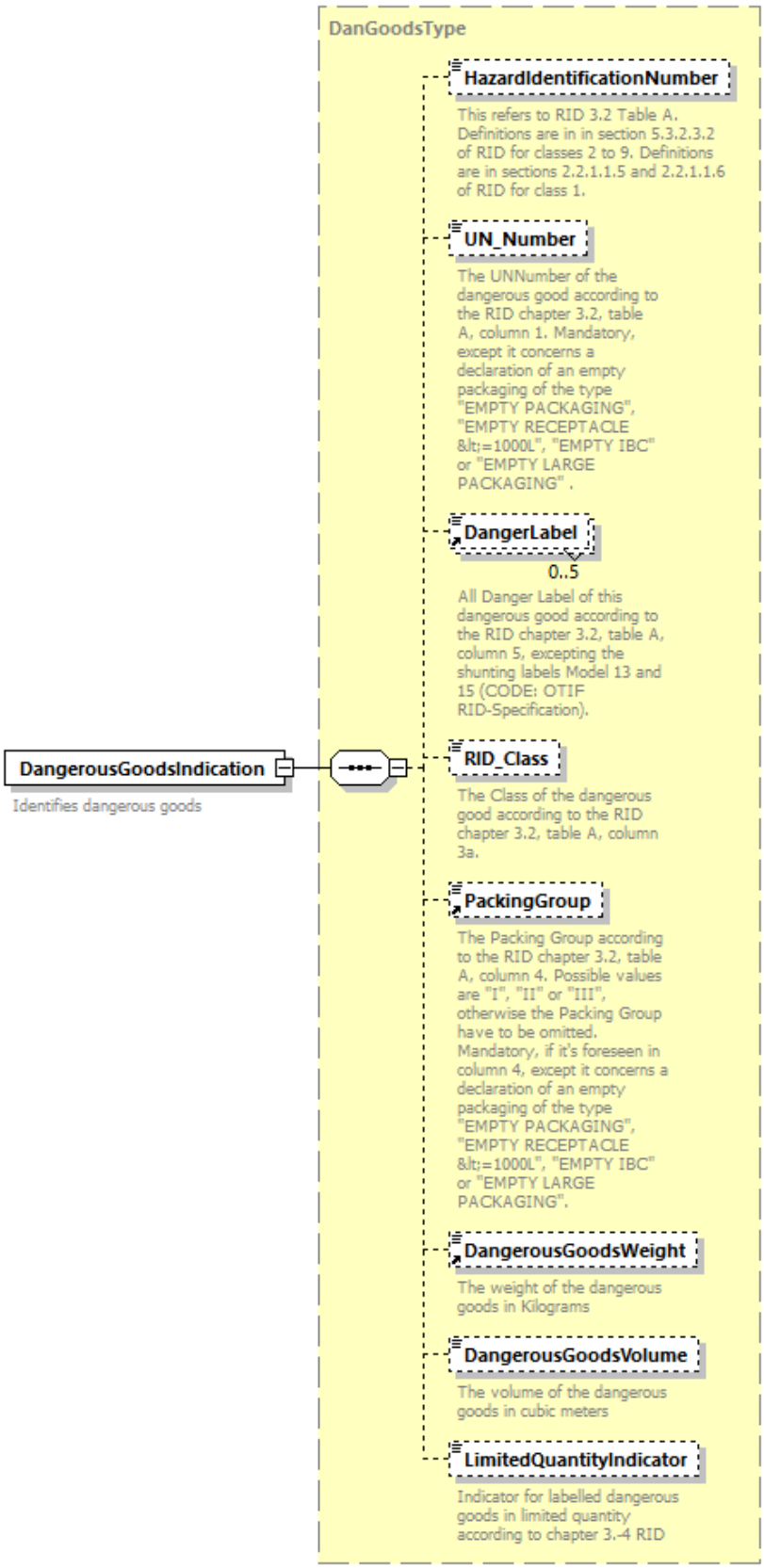
```
      <xs:enumeration value="2.1">
        <xs:annotation>
          <xs:documentation>Flammable gases</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2.2">
        <xs:annotation>
          <xs:documentation>Non-flammable, non-toxic gases</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2.3">
        <xs:annotation>
          <xs:documentation>Toxic gases</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="3">
        <xs:annotation>
          <xs:documentation>Flammable liquids</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="4.1">
        <xs:annotation>
          <xs:documentation>Flammable solids , self-reactive substances and solid
desensitized explosives</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="4.2">
        <xs:annotation>
          <xs:documentation>Substances liable to spontaneous
combustion</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="4.3">
        <xs:annotation>
          <xs:documentation>Substances which, in contact with water, emit flammable
gases</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="5.1">
        <xs:annotation>
          <xs:documentation>Oxidizing substances</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="5.2">
        <xs:annotation>
          <xs:documentation>Organic peroxides</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="6.1">
        <xs:annotation>
          <xs:documentation>Toxic substances</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="6.2">
        <xs:annotation>
```

```
          <xs:documentation>Infectious substances</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="7A">
        <xs:annotation>
          <xs:documentation>Radioactive material, category I</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="7B">
        <xs:annotation>
          <xs:documentation>Radioactive material, category II</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="7C">
        <xs:annotation>
          <xs:documentation>Radioactive material, category III</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="7D">
        <xs:annotation>
          <xs:documentation>(obsolete) should be used for general information about
class 7</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="7E">
        <xs:annotation>
          <xs:documentation>Fissile radioactive material</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="8">
        <xs:annotation>
          <xs:documentation>Corrosive substances</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="9">
        <xs:annotation>
          <xs:documentation>Miscellaneous dangerous substances and
articles</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="9A"/>
      <xs:enumeration value="1 (+13)"/>
      <xs:enumeration value="1 (+15)"/>
      <xs:enumeration value="1.4+6.1"/>
      <xs:enumeration value="1.4+6.1+8"/>
      <xs:enumeration value="1.4+8"/>
      <xs:enumeration value="1+6.1"/>
      <xs:enumeration value="1+6.1 (+13)"/>
      <xs:enumeration value="1+6.1 (+15)"/>
      <xs:enumeration value="1+6.1+8"/>
      <xs:enumeration value="1+8"/>
      <xs:enumeration value="2.1 (+13)"/>
      <xs:enumeration value="2.1+6.1"/>
      <xs:enumeration value="2.1+6.1+8"/>
      <xs:enumeration value="2.1+6.1"/>
```

```
      <xs:enumeration value="2.1+8"/>
      <xs:enumeration value="2.2 (+13)"/>
      <xs:enumeration value="2.2+5.1+6.1"/>
      <xs:enumeration value="2.2+5.1+6.1+8"/>
      <xs:enumeration value="2.2+5.1+8"/>
      <xs:enumeration value="2.2+6.1"/>
      <xs:enumeration value="2.2+6.1+8"/>
      <xs:enumeration value="2.2+5.1"/>
      <xs:enumeration value="2.2+5.1 (+13)"/>
      <xs:enumeration value="2.2+6.1"/>
      <xs:enumeration value="2.2+8"/>
      <xs:enumeration value="2.3 (+13)"/>
      <xs:enumeration value="2.3+2.1"/>
      <xs:enumeration value="2.3+2.1 (+13)"/>
      <xs:enumeration value="2.3+2.1+8"/>
      <xs:enumeration value="2.3+2.1+8 (+13)"/>
      <xs:enumeration value="2.3+5.1"/>
      <xs:enumeration value="2.3+5.1 (+13)"/>
      <xs:enumeration value="2.3+5.1+8"/>
      <xs:enumeration value="2.3+5.1+8 (+13)"/>
      <xs:enumeration value="2.3+8"/>
      <xs:enumeration value="2.3+8 (+13)"/>
      <xs:enumeration value="4.1+1"/>
      <xs:enumeration value="5.2+1"/>
      <xs:enumeration value="6.1+4.1"/>
      <xs:enumeration value="6.1+8"/>
      <xs:enumeration value="6.2+2.2"/>
      <xs:enumeration value="7X"/>
      <xs:enumeration value="7X+7E"/>
      <xs:enumeration value="8+6.1"/>
      <xs:enumeration value="9+2.2"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **DangerousGoodsIndication**

diagram


DanGoodsType
HazardIdentificationNumber
This refers to RID 3.2 Table A. Definitions are in in section 5.3.2.3.2 of RID for classes 2 to 9. Definitions are in sections 2.2.1.1.5 and 2.2.1.1.6 of RID for class 1.
UN_Number
The UNNumber of the dangerous good according to the RID chapter 3.2, table A, column 1. Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE <=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING" .
DangerLabel
0..5
All Danger Label of this dangerous good according to the RID chapter 3.2, table A, column 5, excepting the shunting labels Model 13 and 15 (CODE: OTIF RID-Specification).
DangerousGoodsIndication
Identifies dangerous goods
RID_Class
The Class of the dangerous good according to the RID chapter 3.2, table A, column 3a.
PackingGroup
The Packing Group according to the RID chapter 3.2, table A, column 4. Possible values are "I", "II" or "III", otherwise the Packing Group have to be omitted. Mandatory, if it's foreseen in column 4, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE <=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING".
DangerousGoodsWeight
The weight of the dangerous goods in Kilograms
DangerousGoodsVolume
The volume of the dangerous goods in cubic meters
LimitedQuantityIndicator
Indicator for labelled dangerous goods in limited quantity according to chapter 3.-4 RID

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**DanGoodsType**
properties	content complex
children	**HazardIdentificationNumber** **UN_Number** **DangerLabel** **RID_Class** **PackingGroup** **DangerousGoodsWeight** **DangerousGoodsVolume** **LimitedQuantityIndicator**
used by	elements **PassengerTrainRunningData** **PlannedTrainData** **WagonInterchangeNoticeMessage** **WagonInterchangeSubNoticeMessage** **WagonOperationalData** complexType **IntermodalTransportDataType**
annotation	documentation Identifies dangerous goods

source	`<xs:element name="DangerousGoodsIndication" type="DanGoodsType">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies dangerous goods</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **DangerousGoodsIndicator**

diagram	**DangerousGoodsIndicator** Indicates whether Dangerous Goods are allowed (Yes/No Indicator) If "0", then no dangerous goods are allowed. If "1", then the restricted goods are described in DangerousGoodsIndication
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
used by	elements **GeneralParameters** **TrainRunningData**
annotation	documentation Indicates whether Dangerous Goods are allowed (Yes/No Indicator) If "0", then no dangerous goods are allowed. If "1", then the restricted goods are described in DangerousGoodsIndication

source	`<xs:element name="DangerousGoodsIndicator" type="xs:boolean">`
	`  <xs:annotation>`
	`  <xs:documentation>Indicates whether Dangerous Goods are allowed (Yes/No Indicator) If "0", then no dangerous goods are allowed. If "1", then the restricted goods are described in DangerousGoodsIndication</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **DangerousGoodsVolume**

diagram	**DangerousGoodsVolume** The volume of the dangerous goods in cubic meters
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	**VolumeValue**
properties	content simple
used by	element **SummaryOFGoodsWithSameRID**
annotation	documentation The volume of the dangerous goods in cubic meters

source	`<xs:element name="DangerousGoodsVolume" type="VolumeValue">`
	`  <xs:annotation>`
	`  <xs:documentation>The volume of the dangerous goods in cubic meters</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **DangerousGoodsWeight**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**WeightValueKilo**
properties	content simple
used by	elements **RID** **SummaryOFGoodsWithSameRID** complexType **DanGoodsType**
facets	Kind Value Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse
annotation	documentation The weight of dangerous goods in kilograms

source	`<xs:element name="DangerousGoodsWeight" type="WeightValueKilo">`
	`  <xs:annotation>`
	`  <xs:documentation>The weight of dangerous goods in kilograms</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **Date**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**
properties	content simple
annotation	documentation Date

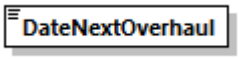
source	`<xs:element name="Date" type="xs:date">`
	`  <xs:annotation>`
	`  <xs:documentation>Date</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **DateLastOverhaul**

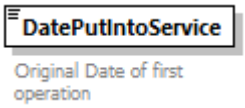
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
annotation	documentation Date of the last overhaul. For wagons newly placed on the market, the date put into service must be used.

source	`<xs:element name="DateLastOverhaul" type="xs:date">`
	`  <xs:annotation>`
	`  <xs:documentation>  Date of the last overhaul. For wagons newly placed on the market, the date put into service must be used. </xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **DateNextOverhaul**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**
properties	content simple
source	`<xs:element name="DateNextOverhaul" type="xs:date"/>`

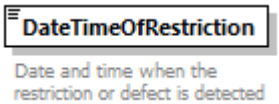
element **DatePutIntoService**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**

properties	content simple
used by	element **RollingStockDataset/AdministrativeDataSet**
annotation	documentation Original Date of first operation

source	`<xs:element name="DatePutIntoService" type="xs:date">`
	`  <xs:annotation>`
	`  <xs:documentation>Original Date of first operation</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **DateTimeOfRestriction**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	element **LocationOfRestrictionDetection**
annotation	documentation Date and time when the restriction or defect is detected

source	`<xs:element name="DateTimeOfRestriction" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Date and time when the restriction or defect is detected</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **DeclarationText**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	elements **ConsignmentOrderMessage/COMS/COM/ConsignorDeclarations** **ConsignmentOrderMessage/COMS/COM/RU_Declarations/RU_Declaration**
facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation Additional Text for codes with free text
source	`<xs:element name="DeclarationText">`

```
  <xs:annotation>
    <xs:documentation>Additional Text for codes with free text</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="350"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **DelayCause**

diagram	**DelayCause** This element identifies the reason for a delay (modified DelayReason)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**DelayCode**
properties	content simple
used by	elements **DelayCauseTime** **TrainReadyMessage/TrainReadyStatus** **TrainReadyStatus**

facets

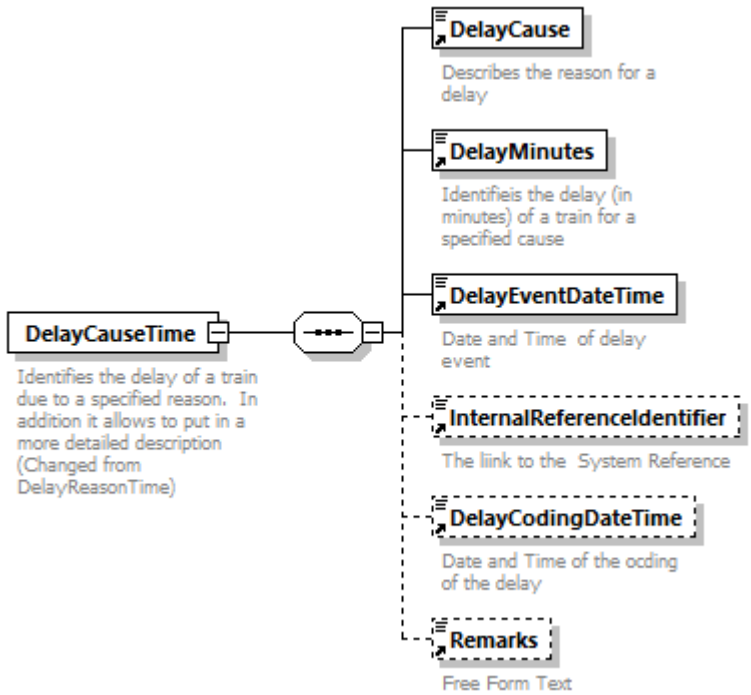
Kind	Value	Annotation
enumeration	11	documentation Formation of trains if managed by infrastructure manager
enumeration	10	documentation Timetable compilation
enumeration	12	documentation Mistakes in operational procedures
enumeration	13	documentation Wrong application of priority rules
enumeration	14	
enumeration	18	documentation Staff
enumeration	19	documentation Other causes related to the operational planning and management
enumeration	20	documentation Signalling installations
enumeration	21	documentation Signalling installations at level crossings
enumeration	22	documentation Telecommunication installations
enumeration	23	documentation Power supply equipment
enumeration	24	documentation Track
enumeration	25	documentation Structures
enumeration	28	documentation Staff
enumeration	29	documentation Other causes related to infrastructure installations
enumeration	31	documentation Irregularities in execution of construction work

	enumeration	30	documentation Planned construction work
	enumeration	32	documentation Speed restrictions due to defective track
	enumeration	39	documentation Other causes related to Civil engineering
	enumeration	40	documentation Delay caused by next IM
	enumeration	41	documentation Delay caused by previous IM
	enumeration	50	documentation exceeding the stop time
	enumeration	51	documentation Request of the RU
	enumeration	52	documentation Loading operations
	enumeration	53	documentation Loading irregularities
	enumeration	54	documentation Commercial preparation of the train
	enumeration	58	documentation Staff
	enumeration	59	documentation Other causes related to commercial causes
	enumeration	60	documentation Roster planning/re-rostering
	enumeration	61	documentation Formation of trains by the RU
	enumeration	62	documentation Problems affecting coaches
	enumeration	63	documentation Problems affecting wagons
	enumeration	64	documentation Problems affecting traction units
	enumeration	68	documentation Staff
	enumeration	69	documentation Other causes related to Rolling Stock
	enumeration	70	documentation Delay caused by next RU
	enumeration	71	documentation Delay caused by previous RU
	enumeration	80	documentation Strike
	enumeration	81	documentation Administrative formalites
	enumeration	82	documentation Outside influence
	enumeration	83	documentation Effects of weather and natural causes
	enumeration	84	documentation Delay caused by external reasons on the next network
	enumeration	89	documentation Other external causes
	enumeration	90	documentation Dangerous incidents, accidents and hazards
	enumeration	91	documentation Track occupation caused by the lateness of the same train
	enumeration	92	documentation Track occupation caused by the lateness of another train

	enumeration 93 documentation Turn round enumeration 94 documentation Connection enumeration 95 documentation Further investigation needed
annotation	documentation This element identifies the reason for a delay (modified DelayReason)

source	`<xs:element name="DelayCause" type="DelayCode">`
	`  <xs:annotation>`
	`  <xs:documentation>This element identifies the reason for a delay (modified DelayReason)</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **DelayCauseTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**DelayCause** **DelayMinutes** **DelayEventDateTime** **InternalReferenceIdentifier** **DelayCodingDateTime** **Remarks**
used by	elements **DelayEventForecast** **DelayEventReport**
annotation	documentation Identifies the delay of a train due to a specified reason. In addition it allows to put in a more detailed description (Changed from DelayReasonTime)

source	`<xs:element name="DelayCauseTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the delay of a train due to a specified reason. In addition it allows to put in a more detailed description (Changed from`

```
DelayReasonTime)</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="DelayCause">
        <xs:annotation>
          <xs:documentation>Describes the reason for a delay</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="DelayMinutes"/>
      <xs:element ref="DelayEventDateTime"/>
      <xs:element ref="InternalReferenceIdentifier" minOccurs="0">
        <xs:annotation>
          <xs:documentation>The liink to the  System Reference</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="DelayCodingDateTime" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Date and Time of the ocding of the
delay</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="Remarks" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **DelayCodingDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	element **DelayCauseTime**
annotation	documentation Date and Time of the coding of the delay

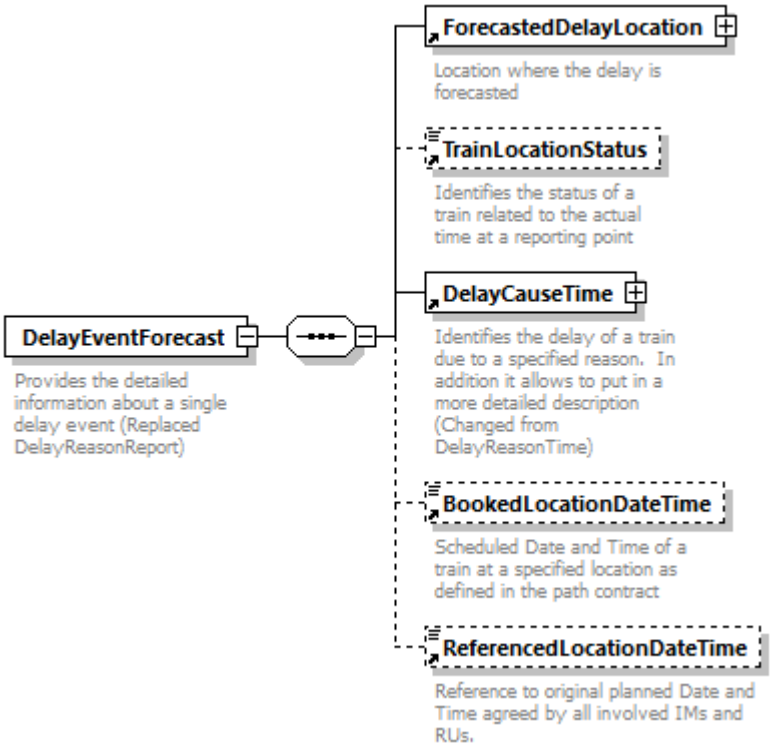
source	`<xs:element name="DelayCodingDateTime" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Date and Time of the coding of the delay</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **DelayEventDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	element **DelayCauseTime**
annotation	documentation Date and Time of delay event

source	`<xs:element name="DelayEventDateTime" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Date and Time of delay event </xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **DelayEventForecast**

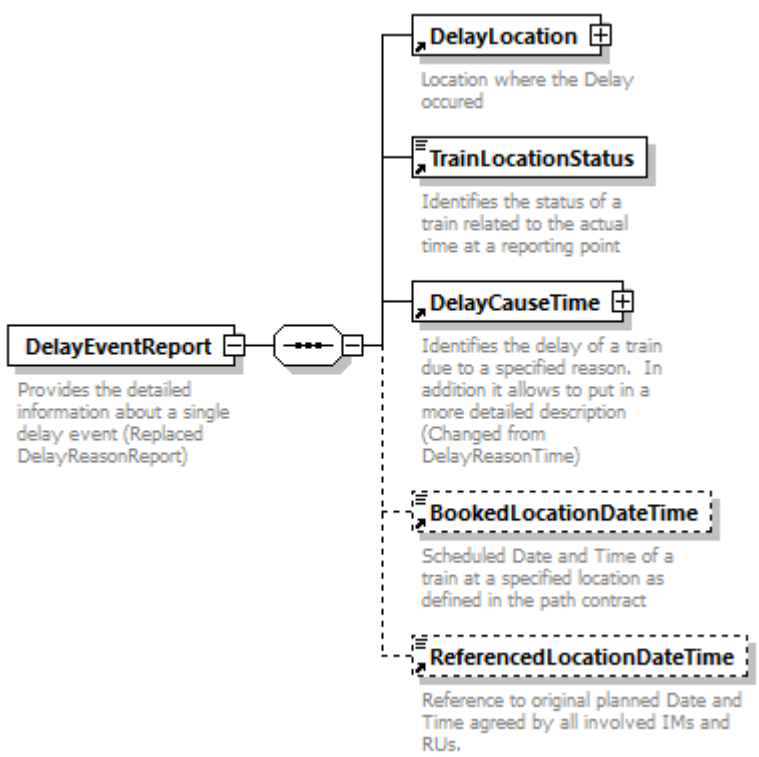
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**ForecastedDelayLocation** **TrainLocationStatus** **DelayCauseTime** **BookedLocationDateTime** **ReferencedLocationDateTime**

used by	element **TrainForecastedDelayCauseMessage**
annotation	documentation Provides the detailed information about a single delay event (Replaced DelayReasonReport)
source	

```
<xs:element name="DelayEventForecast">
  <xs:annotation>
    <xs:documentation>Provides the detailed information about a single  delay event
(Replaced DelayReasonReport)</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="ForecastedDelayLocation"/>
      <xs:element ref="TrainLocationStatus" minOccurs="0"/>
      <xs:element ref="DelayCauseTime"/>
      <xs:element ref="BookedLocationDateTime" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Scheduled Date and Time of a train at a specified
location as defined in the path contract</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="ReferencedLocationDateTime" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **DelayEventReport**

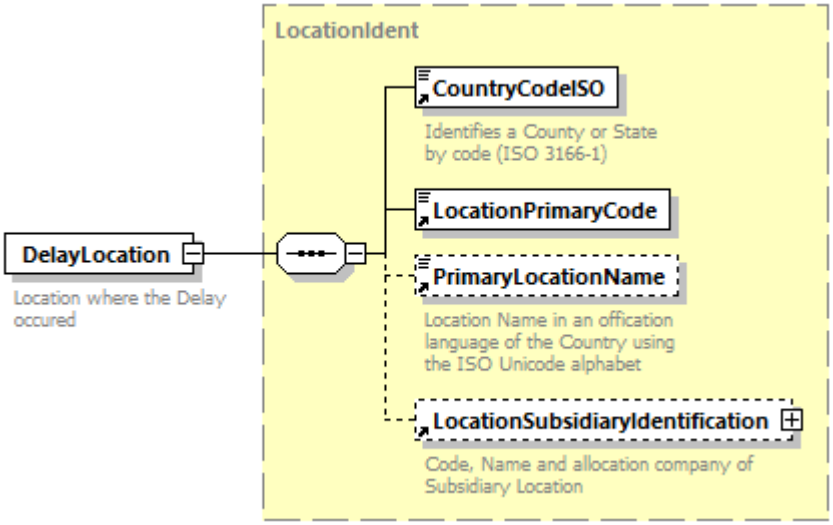
diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

properties	content complex
children	**DelayLocation** **TrainLocationStatus** **DelayCauseTime** **BookedLocationDateTime** **ReferencedLocationDateTime**
used by	element **TrainDelayCauseMessage**
annotation	documentation Provides the detailed information about a single delay event (Replaced DelayReasonReport)
source	<xs:element name="DelayEventReport"> <xs:annotation> <xs:documentation>Provides the detailed information about a single delay event (Replaced DelayReasonReport)</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="DelayLocation"/> <xs:element ref="TrainLocationStatus"/> <xs:element ref="DelayCauseTime"/> <xs:element ref="BookedLocationDateTime" minOccurs="0"> <xs:annotation> <xs:documentation>Scheduled Date and Time of a train at a specified location as defined in the path contract</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="ReferencedLocationDateTime" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

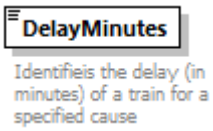
element **DelayLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**

used by	element **DelayEventReport**
annotation	documentation Location where the Delay occured

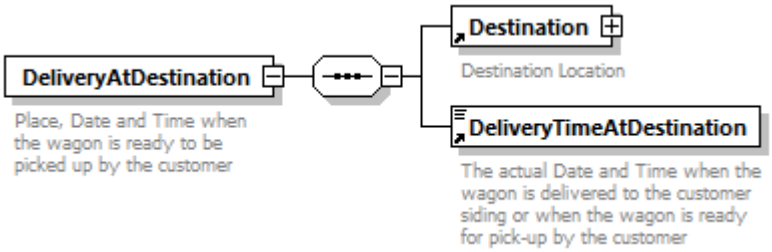
source	`<xs:element name="DelayLocation" type="LocationIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>Location where the Delay occured</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **DelayMinutes**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**String1-5**
properties	content simple
used by	element **DelayCauseTime**
facets	Kind Value Annotation minLength 1 maxLength 5
annotation	documentation Identifieis the delay (in minutes) of a train for a specified cause

source	`<xs:element name="DelayMinutes" type="String1-5">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifieis the delay (in minutes) of a train for a specified cause</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

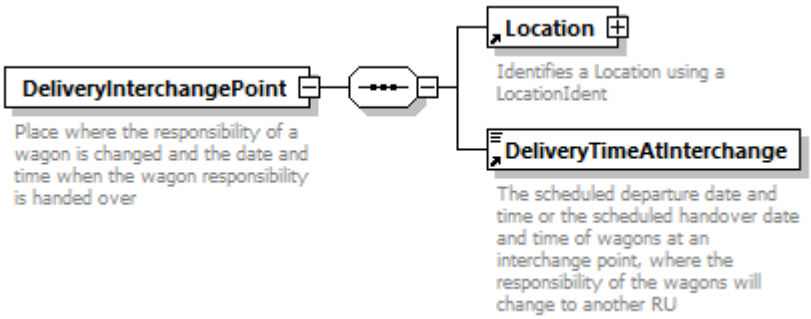
element **DeliveryAtDestination**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Destination** **DeliveryTimeAtDestination**
annotation	documentation

	Place, Date and Time when the wagon is ready to be picked up by the customer

source	`<xs:element name="DeliveryAtDestination">`
	`  <xs:annotation>`
	`  <xs:documentation>Place, Date and Time when the wagon is ready to be picked up by the customer</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Destination"/>`
	`  <xs:element ref="DeliveryTimeAtDestination"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **DeliveryInterchangePoint**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Location** **DeliveryTimeAtInterchange**
used by	element **WagonInterchangeNoticeMessage**
annotation	documentation Place where the responsibility of a wagon is changed and the date and time when the wagon responsibility is handed over

source	`<xs:element name="DeliveryInterchangePoint">`
	`  <xs:annotation>`
	`  <xs:documentation>Place where the responsibility of a wagon is changed and the date and time when the wagon responsibility is handed over</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Location"/>`
	`  <xs:element ref="DeliveryTimeAtInterchange"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **DeliveryReference**

diagram	DeliveryReference
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	elements **ILU_Details** **ITU_Details** **Wagons/WagonDetails**
facets	Kind Value Annotation minLength 1 maxLength 30

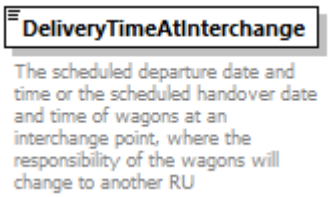
source	`<xs:element name="DeliveryReference">`
	`  <xs:annotation/>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="30"/>`
	`  <xs:minLength value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **DeliveryTimeAtDestination**

diagram	DeliveryTimeAtDestination The actual Date and Time when the wagon is delivered to the customer siding or when the wagon is ready for pick-up by the customer
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	element **DeliveryAtDestination**
annotation	documentation The actual Date and Time when the wagon is delivered to the customer siding or when the wagon is ready for pick-up by the customer

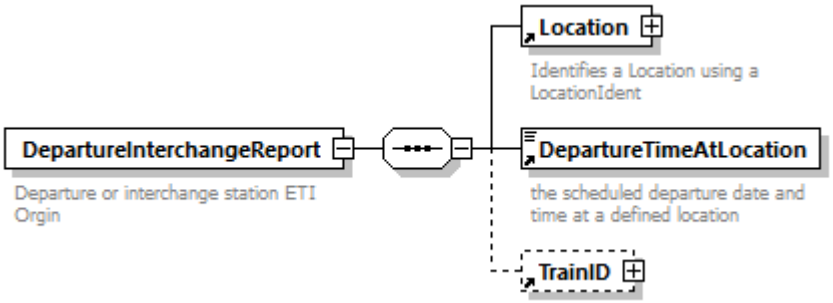
source	`<xs:element name="DeliveryTimeAtDestination" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>The actual Date and Time when the wagon is delivered to the customer siding or when the wagon is ready for pick-up by the customer</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **DeliveryTimeAtInterchange**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	elements **DeliveryInterchangePoint** **NextIntermediateDestination**
annotation	documentation The scheduled departure date and time or the scheduled handover date and time of wagons at an interchange point, where the responsibility of the wagons will change to another RU

source	`<xs:element name="DeliveryTimeAtInterchange" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>The scheduled departure date and time or the scheduled handover date and time of wagons at an interchange point, where the responsibility of the wagons will change to another RU</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **DepartureInterchangeReport**

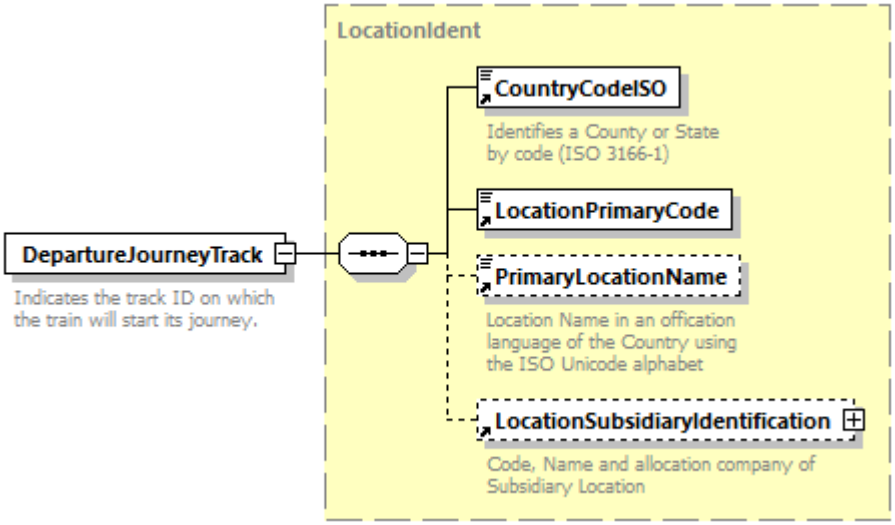
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Location** **DepartureTimeAtLocation** **TrainID**
used by	element **WagonETI_ETA_Message**
annotation	documentation Departure or interchange station ETI Orgin

source	`<xs:element name="DepartureInterchangeReport">`
	`  <xs:annotation>`
	`  <xs:documentation>Departure or interchange station ETI Orgin</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`

```
      <xs:element ref="Location"/>
      <xs:element ref="DepartureTimeAtLocation"/>
      <xs:element ref="TrainID" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **DepartureJourneyTrack**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation Indicates the track ID on which the train will start its journey.

source

```
<xs:element name="DepartureJourneyTrack" type="LocationIdent">
  <xs:annotation>
    <xs:documentation>Indicates the track ID on which the train will start its
journey.</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **DepartureTimeAtLocation**

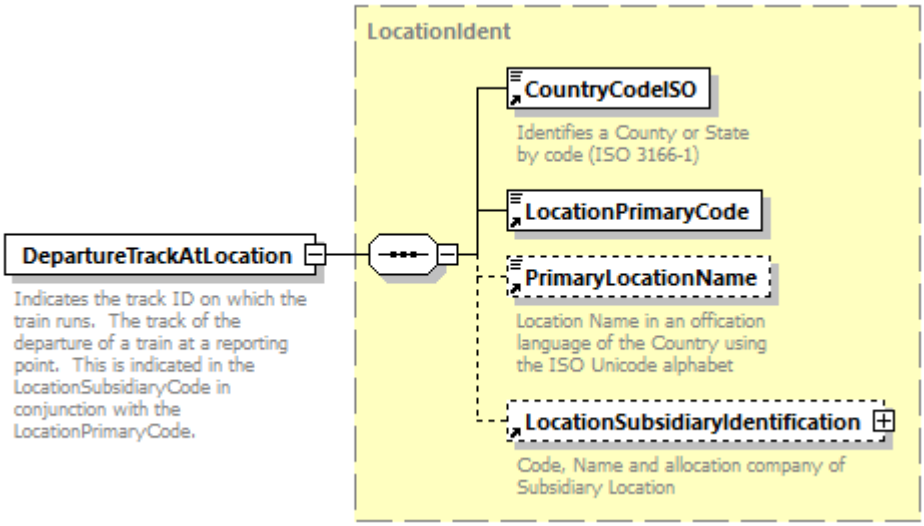
diagram

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**

properties	content simple
used by	elements **DepartureInterchangeReport** **WagonAtDeparture** **WagonPickupAtOrigin**
annotation	documentation the scheduled departure date and time at a defined location

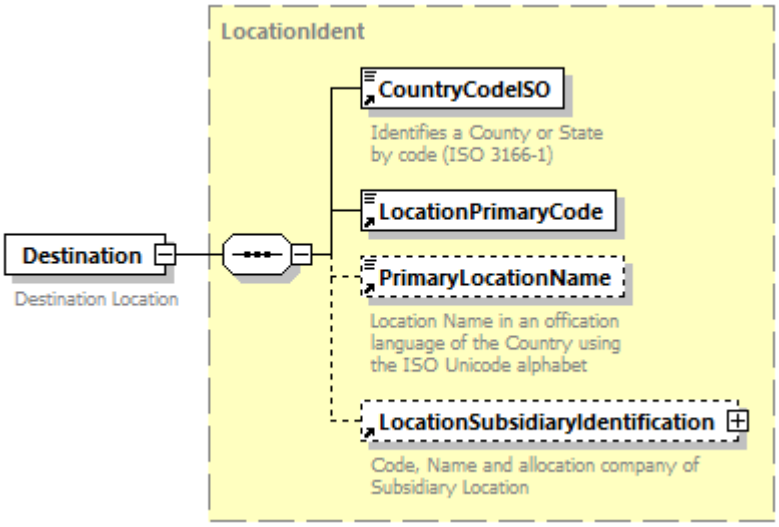
source	`<xs:element name="DepartureTimeAtLocation" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>the scheduled departure date and time at a defined location</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **DepartureTrackAtLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation Indicates the track ID on which the train runs. The track of the departure of a train at a reporting point. This is indicated in the LocationSubsidiaryCode in conjunction with the LocationPrimaryCode.

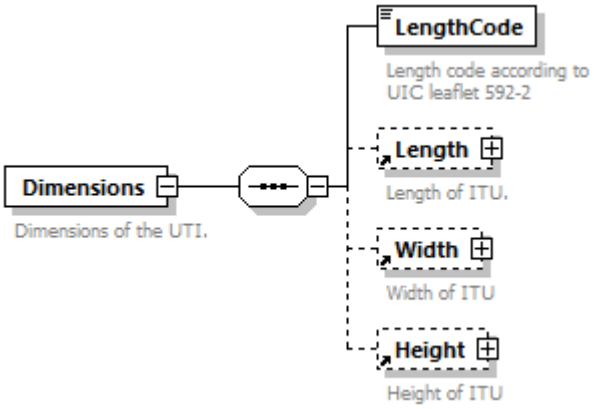
source	`<xs:element name="DepartureTrackAtLocation" type="LocationIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>Indicates the track ID on which the train runs. The track of the departure of a train at a reporting point. This is indicated in the LocationSubsidiaryCode in conjunction with the LocationPrimaryCode.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **Destination**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	elements **ArrivalAtDestination** **DeliveryAtDestination** **ItineraryOfUnit**
annotation	documentation Destination Location

source	`<xs:element name="Destination" type="LocationIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>Destination Location</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **Dimensions**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

properties	content complex
children	**LengthCode** **Length** **Width** **Height**
used by	elements **ILU_Details** **ITU_Details**
annotation	documentation Dimensions of the UTI.
source	<xs:element name="Dimensions"> <xs:annotation> <xs:documentation>Dimensions of the UTI.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="LengthCode"> <xs:annotation> <xs:documentation>Length code according to UIC leaflet 592-2</xs:documentation> <xs:documentation>CODE: UIC leaflet 592-2</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"> <xs:totalDigits value="2"/> <xs:minInclusive value="10"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="Length" minOccurs="0"/> <xs:element ref="Width" minOccurs="0"/> <xs:element ref="Height" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

element **Dimensions/LengthCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	content simple
facets	Kind Value Annotation minInclusive 10 totalDigits 2
annotation	documentation Length code according to UIC leaflet 592-2 documentation CODE: UIC leaflet 592-2
source	<xs:element name="LengthCode"> <xs:annotation>

```
    <xs:documentation>Length code according to UIC leaflet 592-2</xs:documentation>
    <xs:documentation>CODE: UIC leaflet 592-2</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:int">
      <xs:totalDigits value="2"/>
      <xs:minInclusive value="10"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **DriverIndication**

diagram	**DriverIndication** Indicates if a driver is operating the rolling stock
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
used by	element **UnitData**
annotation	documentation Indicates if a driver is operating the rolling stock

source

```
<xs:element name="DriverIndication" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>Indicates if a driver is operating the rolling
stock</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **DwellTime**

diagram	**DwellTime** The minimum duration of dwell time expressed in minutes
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:decimal**
properties	content simple
used by	element **TimingAtLocation**
facets	Kind Value Annotation fractionDigits 1
annotation	documentation The minimum duration of dwell time expressed in minutes

source

```
<xs:element name="DwellTime">
  <xs:annotation>
```

```
    <xs:documentation>The minimum duration of dwell time expressed in minutes
</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:decimal">
      <xs:fractionDigits value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **eMail**

diagram	eMail Generic eMail address in Free text
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CommunicationRefID**
properties	content simple
used by	elements **AdministrativeContactInformation** **Customer/Contacts**
facets	Kind Value Annotation minLength 1 maxLength 70
annotation	documentation Generic eMail address in Free text

```
<xs:element name="eMail" type="CommunicationRefID">
  <xs:annotation>
    <xs:documentation>Generic eMail address in Free text</xs:documentation>
  </xs:annotation>
</xs:element>
```

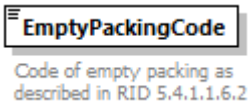
element **EmergencyBrakeOverride**

diagram	EmergencyBrakeOverride Ability of the whole train (all wagons and traction units) to override the emergency brake signal
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
used by	elements **PassengerTrainData** **PlannedTrainTechnicalData** **TrainOrCoachGroupComposition/Unit**
annotation	documentation Ability of the whole train (all wagons and traction units) to override the emergency brake signal

```
<xs:element name="EmergencyBrakeOverride" type="xs:boolean">
  <xs:annotation>
```

```
    <xs:documentation>Ability of the whole train (all wagons and traction units) to override the emergency brake signal</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **EmptyPackingCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
facets	Kind / Value / Annotation enumeration 01 documentation EMPTY PACKAGING enumeration 02 documentation EMPTY CONTAINER enumeration 03 documentation EMPTY IBC enumeration 04 documentation EMPTY LARGE PACKAGING enumeration 05 documentation EMPTY TANK-VEHICLE enumeration 06 documentation EMPTY TANK-WAGON enumeration 07 documentation EMPTY DETACHABLE TANK enumeration 08 documentation EMPTY DEMOUNTABLE TANK enumeration 09 documentation EMPTY TANK-CONTAINER enumeration 10 documentation EMPTY PORTABLE TANK enumeration 11 documentation EMPTY BATTERY-VEHICLE enumeration 12 documentation EMPTY BATTERY-WAGON enumeration 13 documentation EMPTY LARGE CONTAINER WITH MULTIPLE LINKED ELEMENTS enumeration 14 documentation EMPTY VEHICLE enumeration 15 documentation EMPTY WAGON enumeration 16 documentation EMPTY RECEPTACLE le 1000L enumeration 17 documentation EMPTY RECEPTACLE gt 1000L enumeration 18 documentation EMPTY
annotation	documentation Code of empty packing as described in RID 5.4.1.1.6.2 documentation CODE: OTIF RID-Specification, element EMPTY has been added as 'dummy' until the code list has been finished and

	approved.

source

```
<xs:element name="EmptyPackingCode">
  <xs:annotation>
    <xs:documentation>Code of empty packing as described in RID
5.4.1.1.6.2</xs:documentation>
    <xs:documentation>CODE: OTIF RID-Specification, element EMPTY has been added as
'dummy' until the code list has been finished and approved. </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="01">
        <xs:annotation>
          <xs:documentation>EMPTY PACKAGING</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="02">
        <xs:annotation>
          <xs:documentation>EMPTY CONTAINER</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="03">
        <xs:annotation>
          <xs:documentation>EMPTY IBC</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="04">
        <xs:annotation>
          <xs:documentation>EMPTY LARGE PACKAGING</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="05">
        <xs:annotation>
          <xs:documentation>EMPTY TANK-VEHICLE</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="06">
        <xs:annotation>
          <xs:documentation>EMPTY TANK-WAGON</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="07">
        <xs:annotation>
          <xs:documentation>EMPTY DETACHABLE TANK</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="08">
        <xs:annotation>
          <xs:documentation>EMPTY DEMOUNTABLE TANK</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="09">
        <xs:annotation>
          <xs:documentation>EMPTY TANK-CONTAINER</xs:documentation>
        </xs:annotation>
```

```
      </xs:enumeration>
      <xs:enumeration value="10">
        <xs:annotation>
          <xs:documentation>EMPTY PORTABLE TANK</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="11">
        <xs:annotation>
          <xs:documentation>EMPTY BATTERY-VEHICLE</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="12">
        <xs:annotation>
          <xs:documentation>EMPTY BATTERY-WAGON</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="13">
        <xs:annotation>
          <xs:documentation>EMPTY LARGE CONTAINER WITH MULTIPLE LINKED
ELEMENTS</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="14">
        <xs:annotation>
          <xs:documentation>EMPTY VEHICLE</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="15">
        <xs:annotation>
          <xs:documentation>EMPTY WAGON</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="16">
        <xs:annotation>
          <xs:documentation>EMPTY RECEPTACLE le 1000L</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="17">
        <xs:annotation>
          <xs:documentation>EMPTY RECEPTACLE gt 1000L</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="18">
        <xs:annotation>
          <xs:documentation>EMPTY</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **EndDate**

diagram	EndDate The end date/time in effect
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**
properties	content simple
annotation	documentation The end date/time in effect

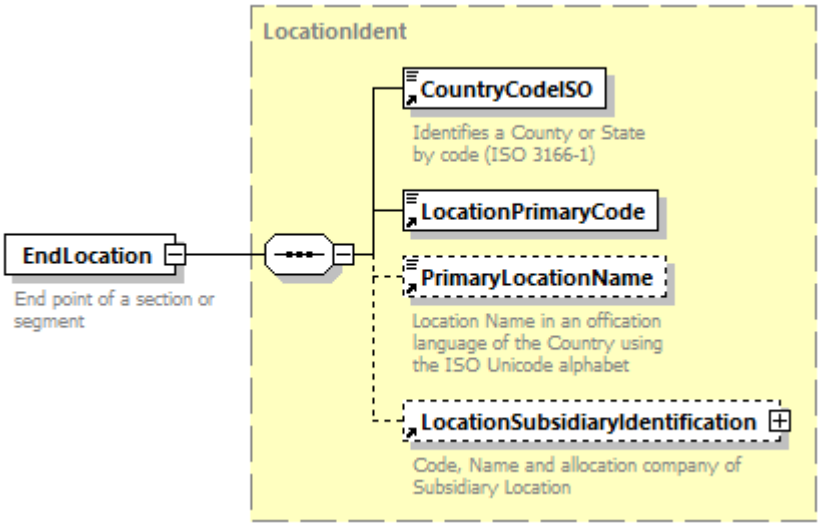
source	`<xs:element name="EndDate" type="xs:date">`
	`  <xs:annotation>`
	`  <xs:documentation>The end date/time in effect</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **EndDateTime**

diagram	EndDateTime The end date/time in effect
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	elements **RequestedPeriod** **RequestedTimeframe** **ValidityPeriod**
annotation	documentation The end date/time in effect

source	`<xs:element name="EndDateTime" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>The end date/time in effect</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

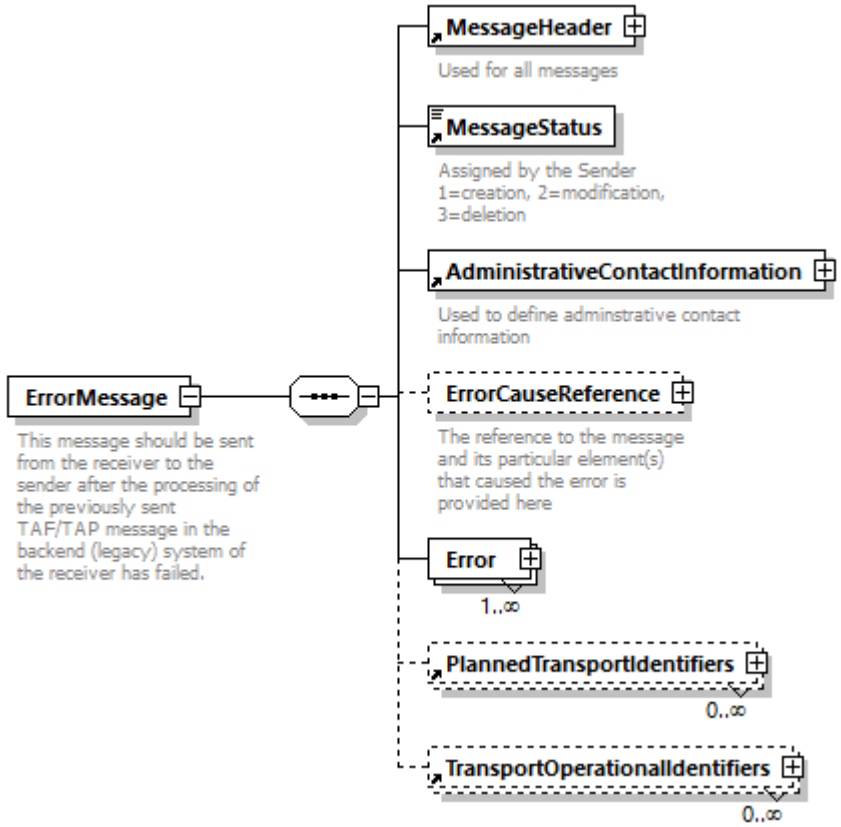
element **EndLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	elements **PartJourney** **WagonPerformanceMessage/PerformanceData** complexTypes **SectionType** **TCRType**
annotation	documentation End point of a section or segment

source	`<xs:element name="EndLocation" type="LocationIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>End point of a section or segment</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ErrorMessage**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **MessageStatus** **AdministrativeContactInformation** **ErrorCauseReference** **Error** **PlannedTransportIdentifiers** **TransportOperationalIdentifiers**
annotation	documentation This message should be sent from the receiver to the sender after the processing of the previously sent TAF/TAP message in the backend (legacy) system of the receiver has failed.

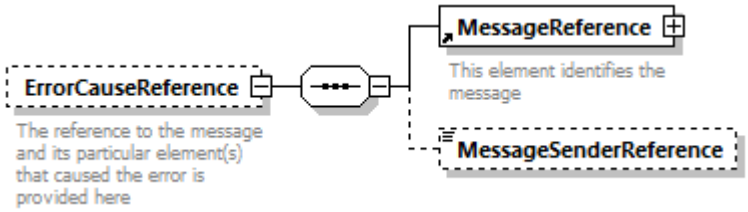
source

```
<xs:element name="ErrorMessage">
  <xs:annotation>
    <xs:documentation>This message should be sent from the receiver to the sender
after the processing of the previously sent TAF/TAP message in the backend (legacy)
system of the receiver has failed.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="MessageStatus"/>
      <xs:element ref="AdministrativeContactInformation"/>
      <xs:element name="ErrorCauseReference" minOccurs="0">
        <xs:annotation>
          <xs:documentation>The reference to the message and its particular
element(s) that caused the error is provided here</xs:documentation>
        </xs:annotation>
        <xs:complexType>
```

```
          <xs:sequence>
            <xs:element ref="MessageReference"/>
            <xs:element name="MessageSenderReference" type="FreeText"
minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="Error" maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="TagReference" type="xs:string" minOccurs="0">
              <xs:annotation>
                <xs:documentation>This is a placeholder for XPath expression
indicating the element of the orginal message which caused the
error.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="TypeOfError">
              <xs:annotation>
                <xs:documentation>It is an enumerated type to indicate if the error
was caused due to a bussines rule violation (1 = FUNCTIONAL) or due to a system failure
(2 = TECHNICAL) or both (0 = BOTH)</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:integer">
                  <xs:enumeration value="0"/>
                  <xs:enumeration value="1"/>
                  <xs:enumeration value="2"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="Severity">
              <xs:annotation>
                <xs:documentation>1 = WARNING: Message content, sequence or other
parameters are off standard but (partial) processing has been possible.2 = ERROR:
Message cannot be processed.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:integer">
                  <xs:enumeration value="1"/>
                  <xs:enumeration value="2"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="ErrorCode">
              <xs:annotation>
                <xs:documentation>To be defined: code list from 1 to 9999. Proposal
from PathDossierErrorCode: "Standard values are between 5000 and 6000 (central
maintained list). The values greater than 6000 can be used on national level.
"</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:integer">
                  <xs:minInclusive value="1"/>
                  <xs:maxInclusive value="9999"/>
```

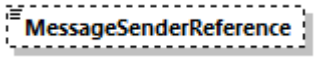
```
                  </xs:restriction>
                </xs:simpleType>
              </xs:element>
              <xs:element ref="FreeTextField"/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
        <xs:element ref="PlannedTransportIdentifiers" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element ref="TransportOperationalIdentifiers" minOccurs="0"
maxOccurs="unbounded"/>
      </xs:sequence>
    </xs:complexType>
</xs:element>
```

element **ErrorMessage/ErrorCauseReference**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**MessageReference** **MessageSenderReference**
annotation	documentation The reference to the message and its particular element(s) that caused the error is provided here

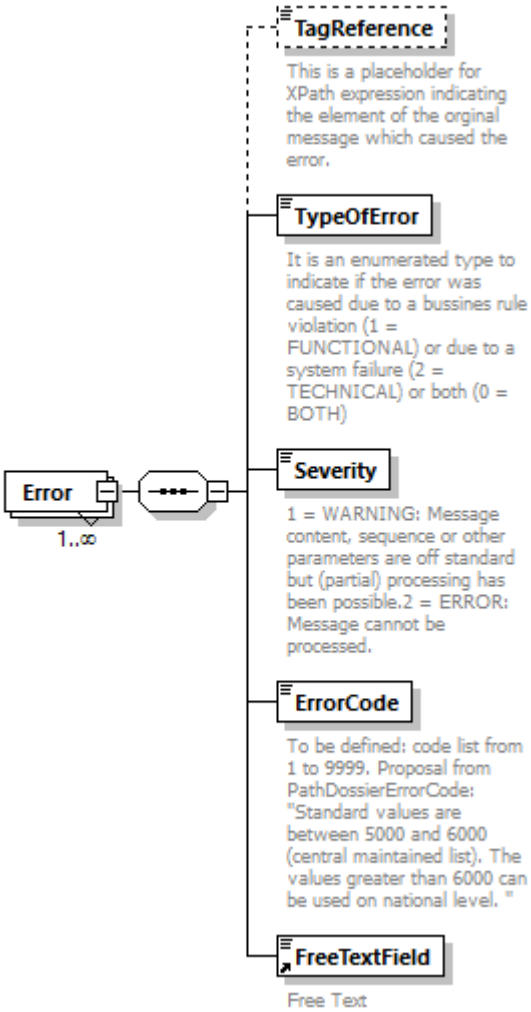
source	`<xs:element name="ErrorCauseReference" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>The reference to the message and its particular element(s) that caused the error is provided here</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="MessageReference"/>`
	`  <xs:element name="MessageSenderReference" type="FreeText" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **ErrorMessage/ErrorCauseReference/MessageSenderReference**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	**FreeText**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 255
source	`<xs:element name="MessageSenderReference" type="FreeText" minOccurs="0"/>`

element **ErrorMessage/Error**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 1 maxOcc unbounded content complex
children	**TagReference** **TypeOfError** **Severity** **ErrorCode** **FreeTextField**
source	`<xs:element name="Error" maxOccurs="unbounded">` `  <xs:complexType>`

```
    <xs:sequence>
      <xs:element name="TagReference" type="xs:string" minOccurs="0">
        <xs:annotation>
          <xs:documentation>This is a placeholder for XPath expression indicating
the element of the orginal message which caused the error.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="TypeOfError">
        <xs:annotation>
          <xs:documentation>It is an enumerated type to indicate if the error was
caused due to a bussines rule violation (1 = FUNCTIONAL) or due to a system failure
(2 = TECHNICAL) or both (0 = BOTH)</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:integer">
            <xs:enumeration value="0"/>
            <xs:enumeration value="1"/>
            <xs:enumeration value="2"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="Severity">
        <xs:annotation>
          <xs:documentation>1 = WARNING: Message content, sequence or other
parameters are off standard but (partial) processing has been possible.2 = ERROR:
Message cannot be processed.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:integer">
            <xs:enumeration value="1"/>
            <xs:enumeration value="2"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ErrorCode">
        <xs:annotation>
          <xs:documentation>To be defined: code list from 1 to 9999. Proposal from
PathDossierErrorCode: "Standard values are between 5000 and 6000 (central maintained
list). The values greater than 6000 can be used on national level.
"</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:integer">
            <xs:minInclusive value="1"/>
            <xs:maxInclusive value="9999"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="FreeTextField"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ErrorMessage/Error/TagReference**

diagram	TagReference This is a placeholder for XPath expression indicating the element of the orginal message which caused the error.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation This is a placeholder for XPath expression indicating the element of the orginal message which caused the error.

source	`<xs:element name="TagReference" type="xs:string" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>This is a placeholder for XPath expression indicating the element of the orginal message which caused the error.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ErrorMessage/Error/TypeOfError**

diagram	TypeOfError It is an enumerated type to indicate if the error was caused due to a bussines rule violation (1 = FUNCTIONAL) or due to a system failure (2 = TECHNICAL) or both (0 = BOTH)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
facets	Kind Value Annotation enumeration 0 enumeration 1 enumeration 2
annotation	documentation It is an enumerated type to indicate if the error was caused due to a bussines rule violation (1 = FUNCTIONAL) or due to a system failure (2 = TECHNICAL) or both (0 = BOTH)

source	`<xs:element name="TypeOfError">`
	`  <xs:annotation>`
	`  <xs:documentation>It is an enumerated type to indicate if the error was caused due to a bussines rule violation (1 = FUNCTIONAL) or due to a system failure (2 = TECHNICAL) or both (0 = BOTH)</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`

```
      <xs:enumeration value="0"/>
      <xs:enumeration value="1"/>
      <xs:enumeration value="2"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ErrorMessage/Error/Severity**

diagram	**Severity** 1 = WARNING: Message content, sequence or other parameters are off standard but (partial) processing has been possible.2 = ERROR: Message cannot be processed.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
facets	Kind Value Annotation enumeration 1 enumeration 2
annotation	documentation 1 = WARNING: Message content, sequence or other parameters are off standard but (partial) processing has been possible.2 = ERROR: Message cannot be processed.

```
<xs:element name="Severity">
  <xs:annotation>
    <xs:documentation>1 = WARNING: Message content, sequence or other parameters are off standard but (partial) processing has been possible.2 = ERROR: Message cannot be processed.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:enumeration value="1"/>
      <xs:enumeration value="2"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ErrorMessage/Error/ErrorCode**

diagram	**ErrorCode** To be defined: code list from 1 to 9999. Proposal from PathDossierErrorCode: "Standard values are between 5000 and 6000 (central maintained list). The values greater than 6000 can be used on national level. "

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 9999
annotation	documentation To be defined: code list from 1 to 9999. Proposal from PathDossierErrorCode: "Standard values are between 5000 and 6000 (central maintained list). The values greater than 6000 can be used on national level. "

source	`<xs:element name="ErrorCode">`
	`  <xs:annotation>`
	`  <xs:documentation>To be defined: code list from 1 to 9999. Proposal from PathDossierErrorCode: "Standard values are between 5000 and 6000 (central maintained list). The values greater than 6000 can be used on national level. "</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="9999"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **EstimatedEndDateTime**

diagram	EstimatedEndDateTime
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
source	`<xs:element name="EstimatedEndDateTime" type="xs:dateTime"/>`

element **EuropeanVehicleNumber**

diagram	EuropeanVehicleNumber Number on 12 digits allocated to each rail vehicle to uniquely identify it from any other rail vehicle
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	elements **RollingStockIdentification** **RunningStatusReportMessage/TransportDeviceID** **UnitIdentification**

facets	Kind / Value / Annotation minLength 12 maxLength 12 pattern [0-9]{12}
annotation	documentation Number on 12 digits allocated to each rail vehicle to uniquely identify it from any other rail vehicle

source	`<xs:element name="EuropeanVehicleNumber">`
	`  <xs:annotation>`
	`  <xs:documentation>Number on 12 digits allocated to each rail vehicle to uniquely identify it from any other rail vehicle</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="12"/>`
	`  <xs:minLength value="12"/>`
	`  <xs:pattern value="[0-9]{12}"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **EventType**

diagram	EventType Type of event
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **WagonStatusMessages/WagonStatusMessage/Event**
facets	Kind / Value / Annotation enumeration 10 documentation Wagon Ready To Pull (Based on information from customer or wagon keeper, the LRU not being the origin RU will inform the origin RU that the wagon (loaded or empty) can (or will be ready to) be pulled from the un/loading place or customer's siding.) enumeration 20 documentation Wagon Pulled (Origin RU informs other involved RU(s) that the wagon has been pulled from un/loading place or from customer's siding.) enumeration 01 documentation Wagon Left Origin (Origin RU informs other involved RU(s) that the wagon left with a train production departure station.) enumeration 04 documentation Wagon Arrival (RU informs other involved RU(s) that the wagon has arrived to station with a train.) enumeration 03 documentation Wagon Departure (RU informs other involved RU(s) that the wagon has departed from station with a train.) enumeration 13 documentation Passed through (Wagon, being part of a running train, has passed through a location.) enumeration 14 documentation Wagon Handed Over (RU informs other involved RU(s) that the wagon has been physically handed over to the next RU) (enumeration 24 documentation

			Wagon Taken Over (RU informs other involved RU(s) that the wagon has been physically taken over from the previous RU.)
	enumeration	06	documentation Wagon Journey Irregularity (RU informs other involved RU(s) that something irregular happened with the wagon or its load which requires action and may interrupt its transportation. Details about nature of the irregularity and its consequences are to be included too.)
	enumeration	16	documentation Wagon Journey Recovered (RU informs other involved RU(s) that the wagon journey irregularity was recovered (e.g. wagon is repaired or load is fixed)
	enumeration	05	documentation Wagon Reached Destination (Destination RU informs other involved RU(s) that the wagon arrived to destination station with a train.)
	enumeration	15	documentation Wagon Delivered (Destination RU informs other involved RU(s) that the wagon has been delivered to un/loading place or to customer's siding.)
	enumeration	60	documentation GPS Location (Information about the position of the wagon)
annotation	documentation Type of event		

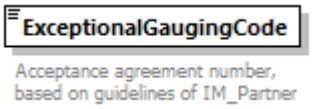
source

```
<xs:element name="EventType">
  <xs:annotation>
    <xs:documentation>Type of event</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="10">
        <xs:annotation>
          <xs:documentation>Wagon Ready To Pull (Based on information from customer
or wagon keeper, the LRU not being the origin RU will inform the origin RU that the
wagon (loaded or empty) can (or will be ready to) be pulled from the un/loading place
or customer's siding.)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="20">
        <xs:annotation>
          <xs:documentation> Wagon Pulled (Origin RU informs other involved RU(s)
that the wagon has been pulled from un/loading place or from customer's
siding.)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="01">
        <xs:annotation>
          <xs:documentation>Wagon Left Origin (Origin RU informs other involved
RU(s) that the wagon left with a train production departure
station.)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="04">
        <xs:annotation>
          <xs:documentation>Wagon Arrival (RU informs other involved RU(s) that the
wagon has arrived to station with a train.)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="03">
        <xs:annotation>
```

```
          <xs:documentation>Wagon Departure (RU informs other involved RU(s) that
the wagon has departed from station with a train.)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="13">
        <xs:annotation>
          <xs:documentation>Passed through (Wagon, being part of a running train,
has passed through a location.)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="14">
        <xs:annotation>
          <xs:documentation>Wagon Handed Over (RU informs other involved RU(s) that
the wagon has been physically handed over to the next RU) (</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="24">
        <xs:annotation>
          <xs:documentation>Wagon Taken Over (RU informs other involved RU(s) that
the wagon has been physically taken over from the previous RU.)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="06">
        <xs:annotation>
          <xs:documentation>Wagon Journey Irregularity (RU informs other involved
RU(s) that something irregular happened with the wagon or its load which requires
action and may interrupt its transportation. Details about nature of the irregularity
and its consequences are to be included too.)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="16">
        <xs:annotation>
          <xs:documentation>Wagon Journey Recovered (RU informs other involved
RU(s) that the wagon journey irregularity was recovered (e.g. wagon is repaired or
load is fixed)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="05">
        <xs:annotation>
          <xs:documentation>Wagon Reached Destination (Destination RU informs other
involved RU(s) that the wagon arrived to destination station with a
train.)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="15">
        <xs:annotation>
          <xs:documentation>Wagon Delivered (Destination RU informs other involved
RU(s) that the wagon has been delivered to un/loading place or to customer's
siding.)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="60">
        <xs:annotation>
          <xs:documentation>GPS Location ( Information about the position of the
wagon)</xs:documentation>
```

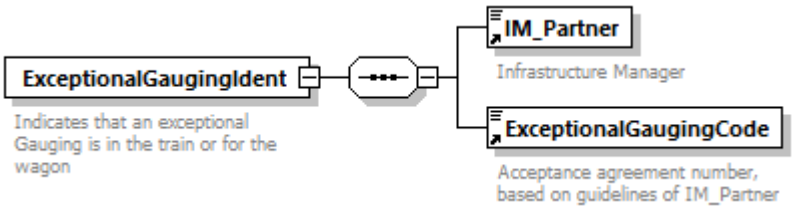
```
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ExceptionalGaugingCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	element **ExceptionalGaugingIdent**
facets	Kind Value Annotation minLength 1 maxLength 24
annotation	documentation Acceptance agreement number, based on guidelines of IM_Partner

source	`<xs:element name="ExceptionalGaugingCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Acceptance agreement number, based on guidelines of IM_Partner</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="24"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ExceptionalGaugingIdent**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**IM_Partner** **ExceptionalGaugingCode**
used by	elements **PlannedTrainData** **RollingStockTechnicalData** **UnitTechnicalData** **WagonOperationalData**

annotation	documentation Indicates that an exceptional Gauging is in the train or for the wagon
source	<xs:element name="ExceptionalGaugingIdent"> <xs:annotation> <xs:documentation>Indicates that an exceptional Gauging is in the train or for the wagon </xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="IM_Partner"/> <xs:element ref="ExceptionalGaugingCode"/> </xs:sequence> </xs:complexType> </xs:element>

element **ExceptionalGaugingInd**

diagram	**ExceptionalGaugingInd** Indicates that an exceptional gauging is in the train or for the wagon - (true/false)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
used by	elements **GeneralParameters** **PassengerTrainRunningData** **TrainRunningData**
annotation	documentation Indicates that an exceptional gauging is in the train or for the wagon - (true/false)
source	<xs:element name="ExceptionalGaugingInd" type="xs:boolean"> <xs:annotation> <xs:documentation>Indicates that an exceptional gauging is in the train or for the wagon - (true/false)</xs:documentation> </xs:annotation> </xs:element>

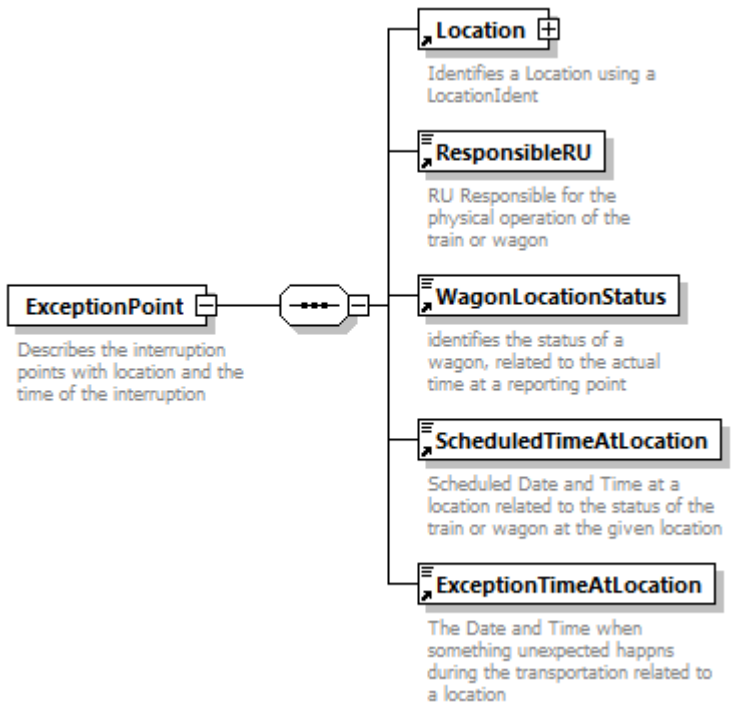
element **ExceptionalGaugingProfile**

diagram	**ExceptionalGaugingProfile** Identification of special load. Coding found in 404-2 chapter 4.9.1 (4AN + 3N)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple

used by	elements **RollingStockTechnicalData** **UnitTechnicalData** **WagonOperationalData**
facets	Kind Value Annotation minLength 7 maxLength 7
annotation	documentation Identification of special load. Coding found in 404-2 chapter 4.9.1 (4AN + 3N)

source	`<xs:element name="ExceptionalGaugingProfile">`
	`  <xs:annotation>`
	`  <xs:documentation>Identification of special load. Coding found in 404-2 chapter 4.9.1 (4AN + 3N)</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="7"/>`
	`  <xs:maxLength value="7"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

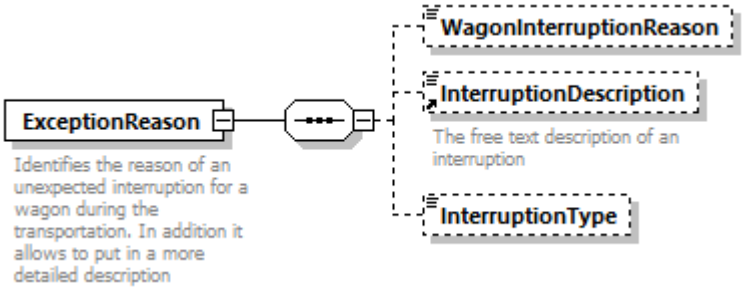
element **ExceptionPoint**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Location** **ResponsibleRU** **WagonLocationStatus** **ScheduledTimeAtLocation** **ExceptionTimeAtLocation**
annotation	documentation Describes the interruption points with location and the time of the interruption
source	`<xs:element name="ExceptionPoint">`

```
  <xs:annotation>
    <xs:documentation>Describes the interruption points with location and the time
of the interruption</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Location"/>
      <xs:element ref="ResponsibleRU"/>
      <xs:element ref="WagonLocationStatus"/>
      <xs:element ref="ScheduledTimeAtLocation"/>
      <xs:element ref="ExceptionTimeAtLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ExceptionReason**

diagram



namespace: http://www.era.europa.eu/schemes/TAFTSI/3.5

properties: content complex

children: **WagonInterruptionReason** **InterruptionDescription** **InterruptionType**

annotation: documentation
Identifies the reason of an unexpected interruption for a wagon during the transportation. In addition it allows to put in a more detailed description

source

```
<xs:element name="ExceptionReason">
  <xs:annotation>
    <xs:documentation>Identifies the reason of an unexpected interruption for a
wagon during the transportation. In addition it allows to put in a more detailed
description</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="WagonInterruptionReason" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:token">
            <xs:enumeration value="wagon damaged"/>
            <xs:enumeration value="change of route"/>
            <xs:enumeration value="other"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="InterruptionDescription" minOccurs="0"/>
      <xs:element name="InterruptionType" minOccurs="0">
```

```
        <xs:simpleType>
          <xs:restriction base="xs:token">
            <xs:length value="1"/>
            <xs:enumeration value="0">
              <xs:annotation>
                <xs:documentation>Damage does not cause an interruption of
transport run</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="1">
              <xs:annotation>
                <xs:documentation>Damage causes an interruption of transport
run</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="2">
              <xs:annotation>
                <xs:documentation>other (no damage)</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ExceptionReason/WagonInterruptionReason**

diagram	WagonInterruptionReason
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation enumeration: wagon damaged enumeration: change of route enumeration: other

source

```
<xs:element name="WagonInterruptionReason" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="wagon damaged"/>
      <xs:enumeration value="change of route"/>
      <xs:enumeration value="other"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ExceptionReason/InterruptionType**

diagram	InterruptionType
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation length 1 enumeration 0 — documentation: Damage does not cause an interruption of transport run enumeration 1 — documentation: Damage causes an interruption of transport run enumeration 2 — documentation: other (no damage)

source

```
<xs:element name="InterruptionType" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:length value="1"/>
      <xs:enumeration value="0">
        <xs:annotation>
          <xs:documentation>Damage does not cause an interruption of transport
run</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>Damage causes an interruption of transport
run</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>other (no damage)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

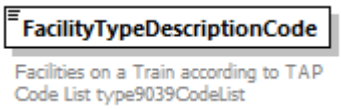
element **ExceptionTimeAtLocation**

diagram	ExceptionTimeAtLocation The Date and Time when something unexpected happns during the transportation related to a location
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	**xs:dateTime**
properties	content simple
used by	element **ExceptionPoint**
annotation	documentation The Date and Time when something unexpected happns during the transportation related to a location

source	`<xs:element name="ExceptionTimeAtLocation" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>The Date and Time when something unexpected happns during the transportation related to a location</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **FacilityTypeDescriptionCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	elements **TypeofService** **UnitData**
facets	Kind Value Annotation maxLength 3 enumeration 2 documentation First-class sleepers documentation First-class sleepers documentation 0 enumeration 3 documentation Standard class sleepers documentation Standard class (second class) sleepers documentation 0 enumeration 4 documentation First-class seats documentation First-class seats documentation 0 enumeration 5 documentation Second-class seats documentation Second-class seats documentation Also: standard, etc. documentation 0 enumeration 6 documentation

			First-class couchettes documentation First-class couchettes documentation 0
	enumeration	7	documentation Second-class couchettes documentation Second-class couchettes documentation 0
	enumeration	8	documentation Sleeperette documentation Sleeperette or reclining seat documentation 0
	enumeration	9	documentation Restaurant documentation Restaurant facility documentation 0
	enumeration	11	documentation First-class sleeper, single documentation First-class sleeper, single documentation 0
	enumeration	12	documentation First-class sleeper, special documentation First-class sleeper, special documentation 0
	enumeration	13	documentation First-class sleeper, double documentation First-class sleeper, double documentation 0
	enumeration	14	documentation Vehicle transport documentation Facilities for vehicle transport etc. Not bicycles. documentation Cars, boats, trailers, motorbikes, documentation 0
	enumeration	15	documentation Second-class, sleeper, T2 documentation Second-class sleeper, T2 (two-bed compartment) documentation 0
	enumeration	16	documentation Second-class sleeper, T3 documentation Second-class sleeper, T3 (three-bed compartment) documentation

			0
	enumeration	17	documentation Second-class sleeper T4 documentation Second-class sleeper, T4 (four-bed compartment) documentation 0
	enumeration	18	documentation First-class sleeper, single, shower documentation First-class sleeper, single with shower documentation 0
	enumeration	19	documentation First-class sleeper, double, shower documentation First-class sleeper, double with shower documentation 0
	enumeration	20	documentation Non-smoker service documentation The travel service is non-smoking documentation 0
	enumeration	21	documentation Heavily disabled documentation Facilities for heavily disabled persons available documentation 0
	enumeration	24	documentation Baby room documentation Baby care facilities available documentation 0
	enumeration	26	documentation Bicycle transport documentation Facility for bicycle transport available documentation 0
	enumeration	28	documentation Wheelchair access documentation Access for wheelchairs possible documentation 0
	enumeration	33	documentation Video coach documentation Video coach available documentation 0
	enumeration	34	documentation Mini-bar documentation Mini-bar available documentation

			0
	enumeration	36	documentation Panorama coach documentation Panorama coach available documentation 0
	enumeration	44	documentation Telephone documentation Telephone service is available documentation 0
	enumeration	45	documentation Power supply documentation Service provides power supply sockets documentation 0
	enumeration	46	documentation Pullmann coach documentation Pullman car seats documentation 0
	enumeration	47	documentation Bar documentation A bar is available documentation 0
	enumeration	48	documentation Family compartment documentation Family compartment(s) available documentation 0
	enumeration	50	documentation Buffet machine documentation Buffet machine available documentation 0
	enumeration	54	documentation Premium class documentation A class with comfort level higher than first class Business, etc documentation Includes Comfort, Club, Pullman, documentation 0
	enumeration	55	documentation Preferente documentation Spanish first class on long distance trains documentation RENFE documentation 0
	enumeration	56	documentation

			Turista
			documentation
			Spanish second class on long distance trains
			documentation
			RENFE
			documentation
			0
	enumeration	57	documentation
			First-class sleeper, single, shower, WC
			documentation
			First-class sleeper, single with shower and WC
			documentation
			RENFE
			documentation
			0
	enumeration	58	documentation
			First-class sleeper, double shower, WC
			documentation
			First-class sleeper, double with shower and WC
			documentation
			RENFE
			documentation
			0
	enumeration	59	documentation
			Second class sleeper, T3, shower, WC
			documentation
			Second class sleeper, T3, shower, WC
			documentation
			0
	enumeration	60	documentation
			Second class sleeper double
			documentation
			Second class sleeper for two
			documentation
			0
	enumeration	61	documentation
			Second class sleeper double shower/toilets
			documentation
			Second class sleeper for two with shower and toilets
			documentation
			0
	enumeration	62	documentation
			Second-class, couchette, two-bed, C2
			documentation
			Second class compartment with 2 couchettes
			documentation
			0
	enumeration	63	documentation
			Second-class, couchette, four-bed, C4
			documentation
			Second class compartment with 4 couchettes
			documentation
			0
	enumeration	64	documentation
			Second-class, couchette, six-bed, C6
			documentation
			Second class compartment with 6 couchettes
			documentation
			0
	enumeration	65	documentation

			Second class couchette wheelchair documentation Second class couchette with wheelchair space documentation 0
	enumeration	66	documentation Executive class documentation A class with comfort level higher than first class documentation Trenitalia documentation 0
	enumeration	67	documentation Business class documentation First class documentation Trenitalia documentation 0
	enumeration	68	documentation Premium class documentation A second class with comfort level higher than normal second class documentation Trenitalia documentation 0
	enumeration	69	documentation Standard class documentation Trenitalia's normal second class documentation Trenitalia documentation 0
	enumeration	70	documentation Unified class documentation For services with no class differentiation. A service with only one class documentation UIC documentation 0
	enumeration	71	documentation Medical-grade masks documentation Medical-grade masks must be worn documentation 0
	enumeration	72	documentation Mask obligation according to legal regulation documentation Mask obligation according to legal regulation documentation 0
	enumeration	101	documentation Metro connection documentation

			Metro, subway, underground connection documentation Only used in TSDUPD documentation 0
	enumeration	102	documentation Taxi connection documentation Taxi connection documentation Only used in TSDUPD documentation 0
	enumeration	103	documentation Bus connection documentation Bus connections available documentation Used only in TSDUPD documentation 0
	enumeration	104	documentation Tram connection documentation Tram connections available documentation Used only in TSDUPD documentation 0
	enumeration	105	documentation 2nd Class couchette five beds C5 documentation 2nd Class couchette five beds C5 documentation DB Nachtzug documentation 0
	enumeration	106	documentation Vaccinated, tested, recovered rule applied documentation Vaccinated, tested, recovered rule applied documentation Vaccinated, tested, recovered rule applies on trains, valid proof must be presented documentation 1
	enumeration	107	documentation Dedicated toilet and place for wheelchair documentation Dedicated toilet and place for wheelchair documentation Dedicated toilet together with dedicated space for wheelchair documentation 1
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(B.2.10,B.3.1,B.3.4,B.4.9039)</xs:documentation>
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class (second class) sleepers</xs:documentation>
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etc.</xs:documentation>
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doc:docType="Status">0</xs:documentation>
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or reclining seat</xs:documentation>
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doc:docType="Status">0</xs:documentation>
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facility</xs:documentation>
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trailers, motorbikes, </xs:documentation>
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sleeper, T2 (two-bed compartment)</xs:documentation>
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sleeper, T3 (three-bed compartment)</xs:documentation>
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T4</xs:documentation>
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sleeper, T4 (four-bed compartment)</xs:documentation>
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shower</xs:documentation>
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sleeper, single with shower</xs:documentation>
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shower</xs:documentation>
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doc:docType="Status">0</xs:documentation>
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facilities available</xs:documentation>
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C2</xs:documentation>
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compartment with 2 couchettes</xs:documentation>
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C6</xs:documentation>
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          <xs:documentation xml:lang="en"
doc:docType="Remark">Trenitalia</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="67">
        <xs:annotation>
          <xs:documentation xml:lang="en">Business class</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">First
class</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Remark">Trenitalia</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="68">
        <xs:annotation>
          <xs:documentation xml:lang="en">Premium class</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">A second class
```

```
with comfort level higher than normal second class</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Remark">Trenitalia</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="69">
        <xs:annotation>
          <xs:documentation xml:lang="en">Standard class</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Trenitalia's
normal second class</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Remark">Trenitalia</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="70">
        <xs:annotation>
          <xs:documentation xml:lang="en">Unified class</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">For services
with no class differentiation. A service with only one class</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Remark">UIC</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="71">
        <xs:annotation>
          <xs:documentation xml:lang="en">Medical-grade masks</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Medical-grade
masks must be worn</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="72">
        <xs:annotation>
          <xs:documentation xml:lang="en">Mask obligation according to legal
regulation</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Mask
obligation according to legal regulation</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="101">
        <xs:annotation>
          <xs:documentation xml:lang="en">Metro connection</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Metro,
subway, underground connection</xs:documentation>
```

```
          <xs:documentation xml:lang="en" doc:docType="Remark">Only used in
TSDUPD</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="102">
        <xs:annotation>
          <xs:documentation xml:lang="en">Taxi connection</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Taxi
connection</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark">Only used in
TSDUPD</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="103">
        <xs:annotation>
          <xs:documentation xml:lang="en">Bus connection</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Bus
connections available</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark">Used only in
TSDUPD</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="104">
        <xs:annotation>
          <xs:documentation xml:lang="en">Tram connection</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Tram
connections available</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark">Used only in
TSDUPD</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="105">
        <xs:annotation>
          <xs:documentation xml:lang="en">2nd Class couchette five beds
C5</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">2nd Class
couchette five beds C5</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark">DB
Nachtzug</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="106">
        <xs:annotation>
          <xs:documentation xml:lang="en">Vaccinated, tested, recovered rule
applied</xs:documentation>
```

```
          <xs:documentation xml:lang="en" doc:docType="Description">Vaccinated, tested, recovered rule applied</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark">Vaccinated, tested, recovered rule applies on trains, valid proof must be presented</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Status">1</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="107">
        <xs:annotation>
          <xs:documentation xml:lang="en"> Dedicated toilet and place for wheelchair</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description"> Dedicated toilet and place for wheelchair</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark">Dedicated toilet together with dedicated space for wheelchair</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Status">1</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **FaxNumber**

diagram	FaxNumber Generic Fax number in Free text
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CommunicationRefID**
properties	content simple
used by	elements **AdministrativeContactInformation** **Customer/Contacts**
facets	Kind Value Annotation minLength 1 maxLength 70
annotation	documentation Generic Fax number in Free text

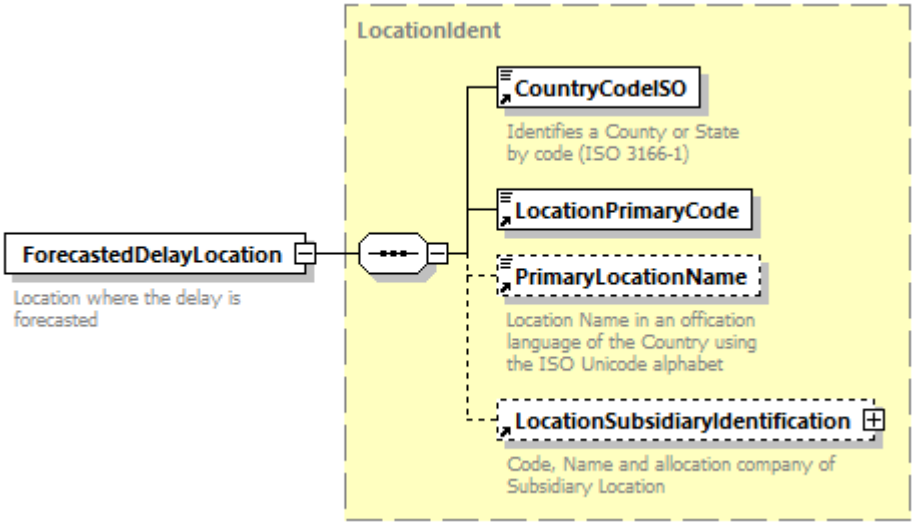
source

```
<xs:element name="FaxNumber" type="CommunicationRefID">
  <xs:annotation>
    <xs:documentation>Generic Fax number in Free text</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **FerryPermittedFlag**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
source	`<xs:element name="FerryPermittedFlag" type="xs:boolean"/>`

element **ForecastedDelayLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	element **DelayEventForecast**
annotation	documentation Location where the delay is forecasted

source	`<xs:element name="ForecastedDelayLocation" type="LocationIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>Location where the delay is forecasted</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **FreeTextField**

diagram	FreeTextField Free Text
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
used by	elements **AdministrativeContactInformation** **ErrorMessage/Error** **PassengerUnitRestriction/InternalFittingDefect** **ObjectInfoMessage** **OtherPassengerRestrictionOrDefect** **PassengerUnitRestriction/OtherPassengerRestrictionOrDefect** **PassengerTransportRestriction** **PassengerUnitRestriction/PassengerTransportRestriction** **PathCanceledMessage** **PathCoordinationMessage** **PathDetailsMessage** **PathDetailsRefusedMessage** **PathNotAvailableMessage** **PathRequestMessage** **PathSectionNotificationMessage** **PlannedJourneyLocation** **UnitData** **UpdateLinkMessage** complexType **TrainActivityType**
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Free Text

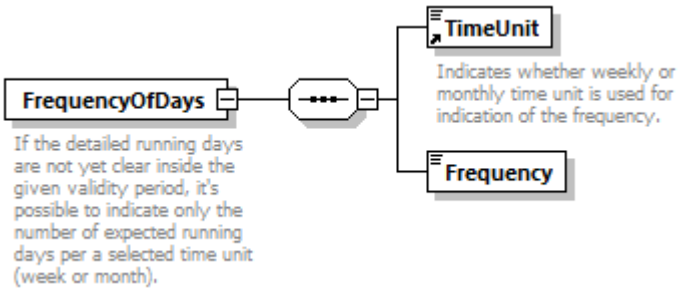
source	`<xs:element name="FreeTextField" type="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>Free Text</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **FreightFlag**

diagram	FreightFlag Identifies that the Entity or Location is for Freight Activity
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
used by	element **LocationPrimaryInformation**
annotation	documentation Identifies that the Entity or Location is for Freight Activity

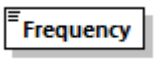
source	`<xs:element name="FreightFlag" type="xs:boolean">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies that the Entity or Location is for Freight Activity</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **FrequencyOfDays**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**TimeUnit** **Frequency**
used by	complexType **PlannedCalendarExtendedType**
annotation	documentation If the detailed running days are not yet clear inside the given validity period, it's possible to indicate only the number of expected running days per a selected time unit (week or month).

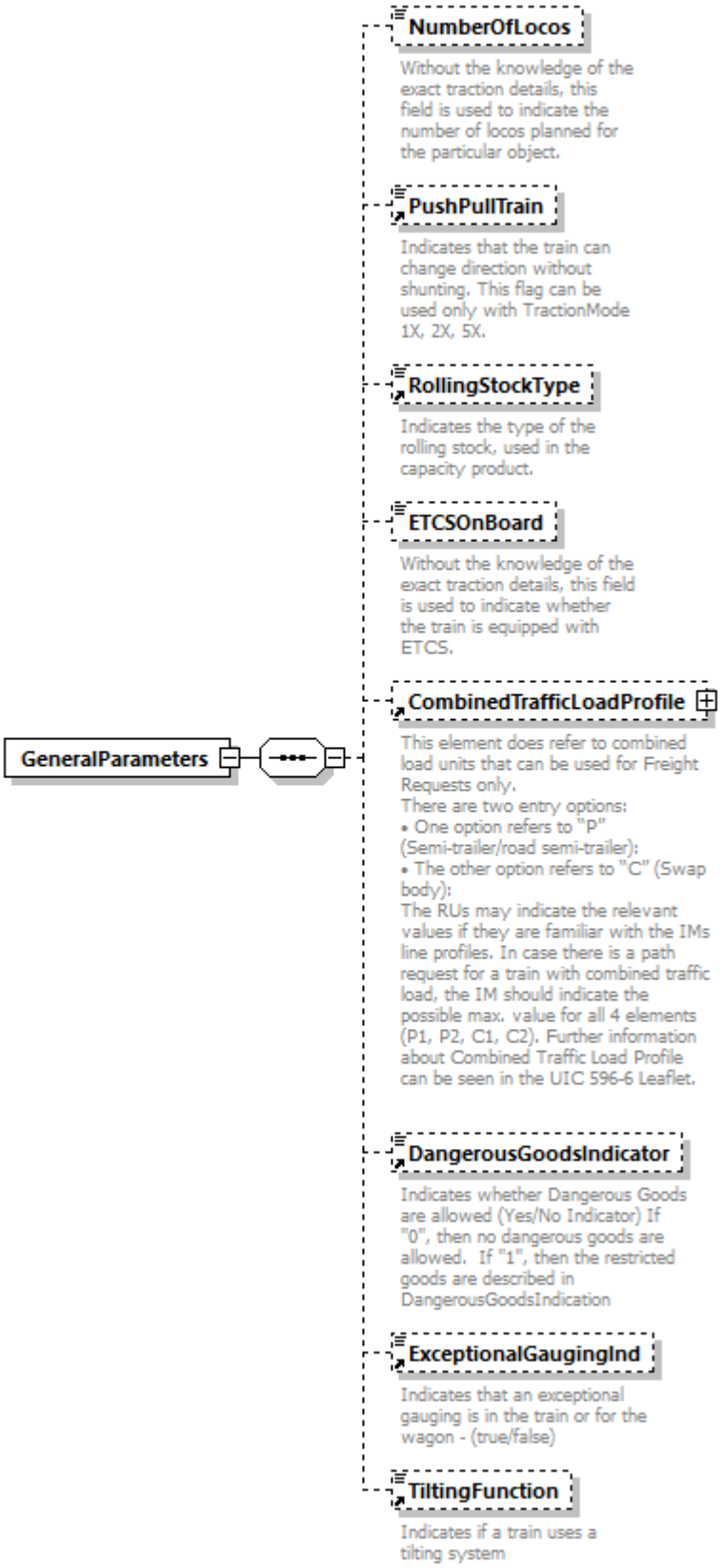
source	`<xs:element name="FrequencyOfDays">`
	`  <xs:annotation>`
	`  <xs:documentation>If the detailed running days are not yet clear inside the given validity period, it's possible to indicate only the number of expected running days per a selected time unit (week or month).</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="TimeUnit"/>`
	`  <xs:element name="Frequency" type="xs:integer"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **FrequencyOfDays/Frequency**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:integer**
properties	content simple
source	`<xs:element name="Frequency" type="xs:integer"/>`

element **GeneralParameters**

diagram

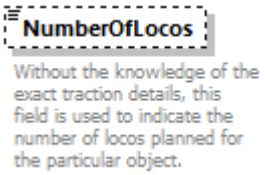


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**NumberOfLocos** **PushPullTrain** **RollingStockType** **ETCSOnBoard** **CombinedTrafficLoadProfile** **DangerousGoodsIndicator** **ExceptionalGaugingInd** **TiltingFunction**
used by	complexType **PlannedLocationInfoType**

source

```
<xs:element name="GeneralParameters">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="NumberOfLocos" type="xs:integer" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Without the knowledge of the exact traction details,
this field is used to indicate the number of locos planned for the particular
object.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="PushPullTrain" minOccurs="0"/>
      <xs:element ref="RollingStockType" minOccurs="0"/>
      <xs:element name="ETCSOnBoard" type="xs:boolean" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Without the knowledge of the exact traction details,
this field is used to indicate whether the train is equipped with
ETCS.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="CombinedTrafficLoadProfile" minOccurs="0"/>
      <xs:element ref="DangerousGoodsIndicator" minOccurs="0"/>
      <xs:element ref="ExceptionalGaugingInd" minOccurs="0"/>
      <xs:element ref="TiltingFunction" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **GeneralParameters/NumberOfLocos**

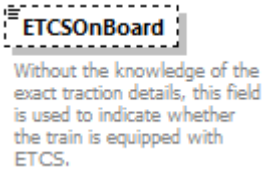
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:integer**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Without the knowledge of the exact traction details, this field is used to indicate the number of locos planned for the particular object.

source

```
<xs:element name="NumberOfLocos" type="xs:integer" minOccurs="0">
  <xs:annotation>
```

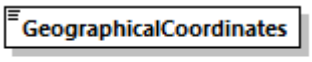
```
    <xs:documentation>Without the knowledge of the exact traction details, this field is used to indicate the number of locos planned for the particular object.</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **GeneralParameters/ETCSOnBoard**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Without the knowledge of the exact traction details, this field is used to indicate whether the train is equipped with ETCS.

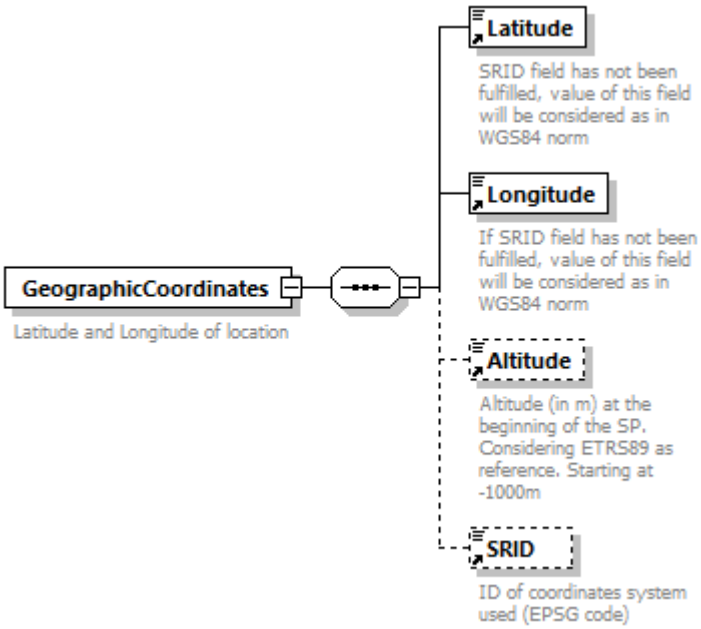
source	`<xs:element name="ETCSOnBoard" type="xs:boolean" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Without the knowledge of the exact traction details, this field is used to indicate whether the train is equipped with ETCS.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **GeographicalCoordinates**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:string**
properties	content simple
annotation	documentation Longitude and latitude as defined in UIC Leafle 920-2

source	`<xs:element name="GeographicalCoordinates" type="xs:string">`
	`  <xs:annotation>`
	`  <xs:documentation>Longitude and latitude as defined in UIC Leafle 920-2</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

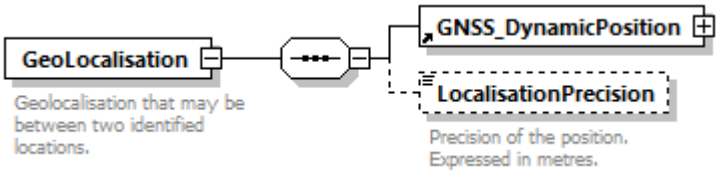
element **GeographicCoordinates**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Latitude** **Longitude** **Altitude** **SRID**
used by	elements **GNSS_DynamicPosition** **LocationPrimaryInformation** **LocationSubsidiaryInformation**
annotation	documentation Latitude and Longitude of location

source

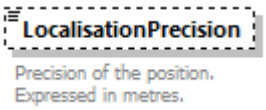
```
<xs:element name="GeographicCoordinates">
  <xs:annotation>
    <xs:documentation>Latitude and Longitude of location</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Latitude">
        <xs:annotation>
          <xs:documentation>SRID field has not been fulfilled, value of this field
will be considered as in WGS84 norm</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="Longitude">
        <xs:annotation>
          <xs:documentation>If SRID field has not been fulfilled, value of this field
will be considered as in WGS84 norm</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="Altitude" minOccurs="0"/>
      <xs:element ref="SRID" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **GeoLocalisation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**GNSS_DynamicPosition** **LocalisationPrecision**
used by	elements **GeoLocalisationOnNetwork** **RunningStatusReportMessage**
annotation	documentation Geolocalisation that may be between two identified locations.

source	`<xs:element name="GeoLocalisation">`
	`  <xs:annotation>`
	`  <xs:documentation>Geolocalisation that may be between two identified locations. </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="GNSS_DynamicPosition"/>`
	`  <xs:element name="LocalisationPrecision" type="xs:float" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Precision of the position. Expressed in metres.</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

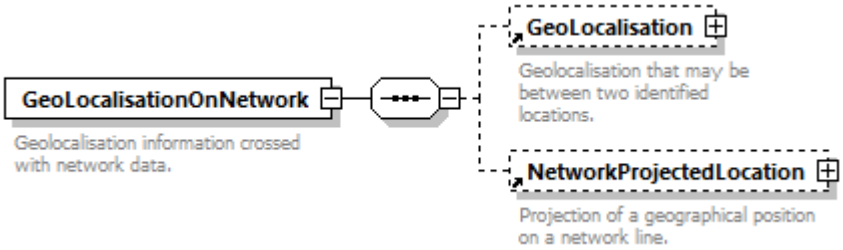
element **GeoLocalisation/LocalisationPrecision**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:float**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Precision of the position. Expressed in metres.

source	`<xs:element name="LocalisationPrecision" type="xs:float" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Precision of the position. Expressed in`

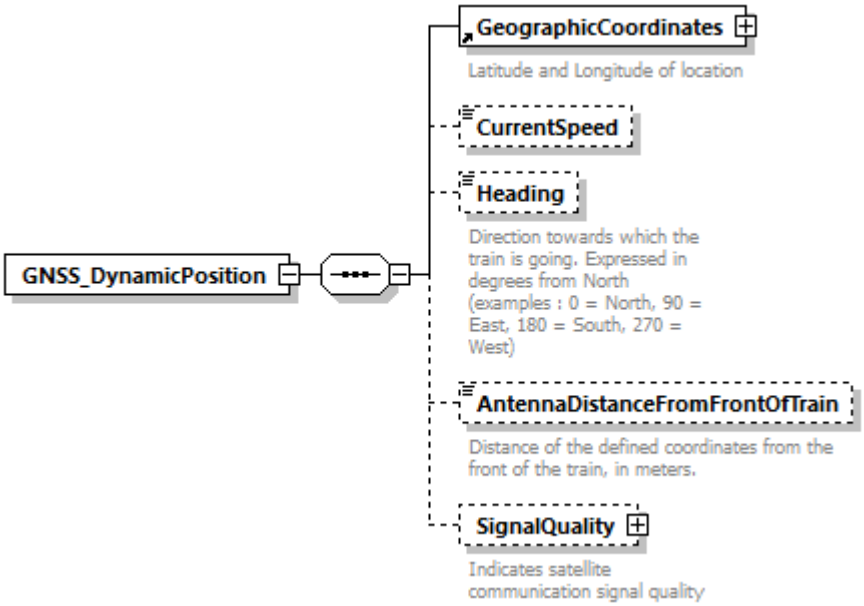
	metres.</xs:documentation> </xs:annotation> </xs:element>

element **GeoLocalisationOnNetwork**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**GeoLocalisation** **NetworkProjectedLocation**
used by	elements **InterruptionPoint** **TrainLocationReport**
annotation	documentation Geolocalisation information crossed with network data.
source	<xs:element name="GeoLocalisationOnNetwork"> <xs:annotation> <xs:documentation>Geolocalisation information crossed with network data. </xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="GeoLocalisation" minOccurs="0"/> <xs:element ref="NetworkProjectedLocation" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

element **GNSS_DynamicPosition**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	GeographicCoordinates CurrentSpeed Heading AntennaDistanceFromFrontOfTrain SignalQuality
used by	element GeoLocalisation

source

```
<xs:element name="GNSS_DynamicPosition">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="GeographicCoordinates"/>
      <xs:element name="CurrentSpeed" type="Speed" minOccurs="0"/>
      <xs:element name="Heading" type="xs:integer" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Direction towards which the train is going. Expressed
in degrees from North (examples : 0 = North, 90 = East, 180 = South, 270 =
West)</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="AntennaDistanceFromFrontOfTrain" type="xs:float"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>Distance of the defined coordinates from the front of
the train, in meters.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="SignalQuality" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Indicates satellite communication signal
quality</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="SatelliteHDOP" type="xs:decimal">
```

```
                <xs:annotation>
                  <xs:documentation>HDOP = Horizontal Dilution Of Precision.
Parameter used to describe the strength of the current satellite configuration, or
geometry, and it’s impact on the accuracy of the data collected by a GNSS receiver
at the time of use. HDOP provides a measure of accuracy in 2-D position (e.g. Latitude
and Longitude). Smaller value indicates better precision. Values less than 1 are the
best. Values from 2 - 5 are good. Values greater 10 indicate bad quality
</xs:documentation>
                </xs:annotation>
              </xs:element>
              <xs:element name="NumberOfVisibleSatellites" type="xs:integer">
                <xs:annotation>
                  <xs:documentation>Indicates the number of satellites being used in
the position solution. Greater value indicates better quality.</xs:documentation>
                </xs:annotation>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
```

element **GNSS_DynamicPosition/CurrentSpeed**

diagram	CurrentSpeed
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Speed**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation minInclusive 001 maxInclusive 999
source	`<xs:element name="CurrentSpeed" type="Speed" minOccurs="0"/>`

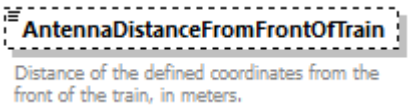
element **GNSS_DynamicPosition/Heading**

diagram	Heading Direction towards which the train is going. Expressed in degrees from North (examples : 0 = North, 90 = East, 180 = South, 270 = West)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:integer**

properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Direction towards which the train is going. Expressed in degrees from North (examples : 0 = North, 90 = East, 180 = South, 270 = West)

source	`<xs:element name="Heading" type="xs:integer" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Direction towards which the train is going. Expressed in degrees from North (examples : 0 = North, 90 = East, 180 = South, 270 = West)</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

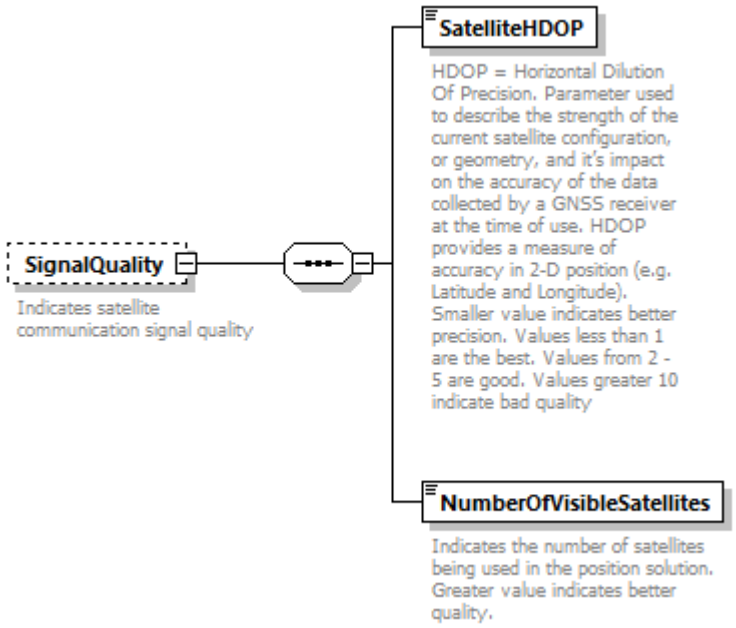
element **GNSS_DynamicPosition/AntennaDistanceFromFrontOfTrain**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:float**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Distance of the defined coordinates from the front of the train, in meters.

source	`<xs:element name="AntennaDistanceFromFrontOfTrain" type="xs:float" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Distance of the defined coordinates from the front of the train, in meters.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **GNSS_DynamicPosition/SignalQuality**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**SatelliteHDOP** **NumberOfVisibleSatellites**
annotation	documentation Indicates satellite communication signal quality

source

```
<xs:element name="SignalQuality" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Indicates satellite communication signal
quality</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="SatelliteHDOP" type="xs:decimal">
        <xs:annotation>
          <xs:documentation>HDOP = Horizontal Dilution Of Precision. Parameter used
to describe the strength of the current satellite configuration, or geometry, and
it's impact on the accuracy of the data collected by a GNSS receiver at the time of
use. HDOP provides a measure of accuracy in 2-D position (e.g. Latitude and
Longitude). Smaller value indicates better precision. Values less than 1 are the best.
Values from 2 - 5 are good. Values greater 10 indicate bad quality
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="NumberOfVisibleSatellites" type="xs:integer">
        <xs:annotation>
          <xs:documentation>Indicates the number of satellites being used in the
position solution. Greater value indicates better quality.</xs:documentation>
        </xs:annotation>
      </xs:element>
```

```
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **GNSS_DynamicPosition/SignalQuality/SatelliteHDOP**

diagram	**SatelliteHDOP** HDOP = Horizontal Dilution Of Precision. Parameter used to describe the strength of the current satellite configuration, or geometry, and it's impact on the accuracy of the data collected by a GNSS receiver at the time of use. HDOP provides a measure of accuracy in 2-D position (e.g. Latitude and Longitude). Smaller value indicates better precision. Values less than 1 are the best. Values from 2 - 5 are good. Values greater 10 indicate bad quality
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:decimal**
properties	content simple
annotation	documentation HDOP = Horizontal Dilution Of Precision. Parameter used to describe the strength of the current satellite configuration, or geometry, and it's impact on the accuracy of the data collected by a GNSS receiver at the time of use. HDOP provides a measure of accuracy in 2-D position (e.g. Latitude and Longitude). Smaller value indicates better precision. Values less than 1 are the best. Values from 2 - 5 are good. Values greater 10 indicate bad quality
source	`<xs:element name="SatelliteHDOP" type="xs:decimal">` `  <xs:annotation>` ` <xs:documentation>HDOP = Horizontal Dilution Of Precision. Parameter used to describe the strength of the current satellite configuration, or geometry, and it's impact on the accuracy of the data collected by a GNSS receiver at the time of use. HDOP provides a measure of accuracy in 2-D position (e.g. Latitude and Longitude). Smaller value indicates better precision. Values less than 1 are the best. Values from 2 - 5 are good. Values greater 10 indicate bad quality </xs:documentation>` ` </xs:annotation>` `</xs:element>`

element **GNSS_DynamicPosition/SignalQuality/NumberOfVisibleSatellites**

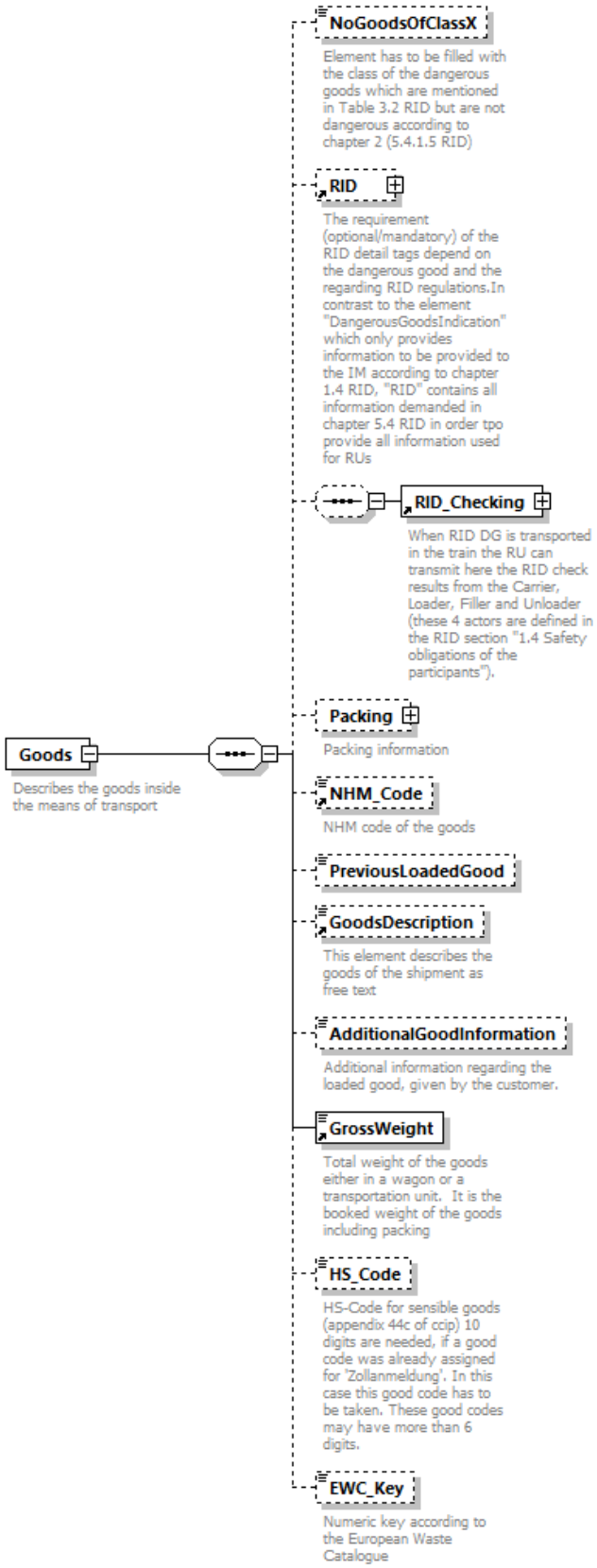
diagram	**NumberOfVisibleSatellites** Indicates the number of satellites being used in the position solution. Greater value indicates better quality.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	**xs:integer**
properties	content simple
annotation	documentation Indicates the number of satellites being used in the position solution. Greater value indicates better quality.

source	`<xs:element name="NumberOfVisibleSatellites" type="xs:integer">`
	`  <xs:annotation>`
	`  <xs:documentation>Indicates the number of satellites being used in the position solution. Greater value indicates better quality.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **Goods**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**NoGoodsOfClassX** **RID** **RID_Checking** **Packing** **NHM_Code** **PreviousLoadedGood** **GoodsDescription** **AdditionalGoodInformation** **GrossWeight** **HS_Code** **EWC_Key**
used by	elements **ILU** **ITU** **RollingRoadUnit**
annotation	documentation Describes the goods inside the means of transport

source

```
<xs:element name="Goods">
  <xs:annotation>
    <xs:documentation>Describes the goods inside the means of
transport</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="NoGoodsOfClassX" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Element has to be filled with the class of the dangerous
goods which are mentioned in Table 3.2 RID but are not dangerous according to chapter
2 (5.4.1.5 RID)</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="4"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="RID" minOccurs="0"/>
      <xs:sequence minOccurs="0">
        <xs:element ref="RID_Checking">
          <xs:annotation>
            <xs:documentation>When RID DG is transported in the train the RU can
transmit here the RID check results from the Carrier, Loader, Filler and Unloader
(these 4 actors are defined in the RID section "1.4 Safety obligations of the
participants").</xs:documentation>
          </xs:annotation>
        </xs:element>
      </xs:sequence>
      <xs:element name="Packing" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Packing information</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="NatureOfPacking" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Nature of packing according to the UN/ECE
Recommandation No 21</xs:documentation>
                <xs:documentation>CODE: UN/ECE-Recommendation No.
21</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
```

```
                <xs:restriction base="xs:string">
                  <xs:maxLength value="2"/>
                  <xs:minLength value="1"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="NumberOfPackages" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Number of packages.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:int">
                  <xs:minInclusive value="1"/>
                  <xs:maxInclusive value="99999"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="PackageIdentification" minOccurs="0"
maxOccurs="99">
              <xs:annotation>
                <xs:documentation>Particular marks and numbers to identify less
than wagon load assignments.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="35"/>
                  <xs:minLength value="1"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element ref="NHM_Code" minOccurs="0"/>
      <xs:element name="PreviousLoadedGood" type="NHMCodeType" minOccurs="0"/>
      <xs:element ref="GoodsDescription" minOccurs="0"/>
      <xs:element name="AdditionalGoodInformation" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Additional information regarding the loaded good, given
by the customer.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="350"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="GrossWeight"/>
      <xs:element name="HS_Code" minOccurs="0">
        <xs:annotation>
          <xs:documentation>HS-Code for sensible goods (appendix 44c of ccip) 10
digits are needed, if a good code was already assigned for 'Zollanmeldung'. In this
case this good code has to be taken. These good codes may have more than 6
digits.</xs:documentation>
```

```
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="6"/>
            <xs:maxLength value="10"/>
            <xs:pattern value="\d*[1-9]\d*"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="EWC_Key" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Numeric key according to the European Waste
Catalogue</xs:documentation>
          <xs:documentation>CODE: European waste catalogue (EWC)
2000/532/EC</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="2"/>
            <xs:maxLength value="6"/>
            <xs:pattern value="\d*"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **Goods/NoGoodsOfClassX**

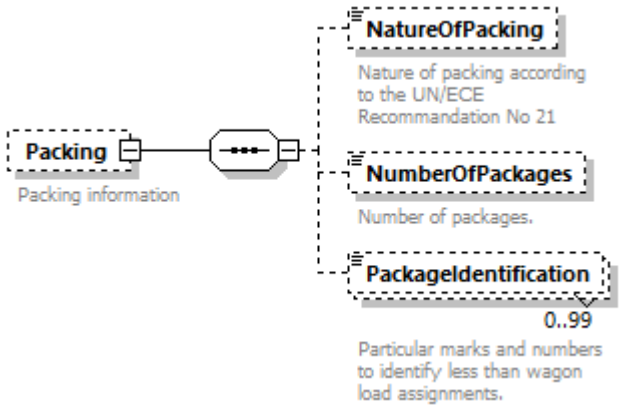
diagram	**NoGoodsOfClassX** Element has to be filled with the class of the dangerous goods which are mentioned in Table 3.2 RID but are not dangerous according to chapter 2 (5.4.1.5 RID)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 4
annotation	documentation Element has to be filled with the class of the dangerous goods which are mentioned in Table 3.2 RID but are not dangerous according to chapter 2 (5.4.1.5 RID)

source	`<xs:element name="NoGoodsOfClassX" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Element has to be filled with the class of the dangerous goods which are mentioned in Table 3.2 RID but are not dangerous according to chapter 2`

```
(5.4.1.5 RID)</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="4"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Goods/Packing**

diagram



namespace: http://www.era.europa.eu/schemes/TAFTSI/3.5

properties

minOcc	0
maxOcc	1
content	complex

children: **NatureOfPacking** **NumberOfPackages** **PackageIdentification**

annotation

documentation
Packing information

source

```
<xs:element name="Packing" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Packing information</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="NatureOfPacking" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Nature of packing according to the UN/ECE
Recommandation No 21</xs:documentation>
          <xs:documentation>CODE: UN/ECE-Recommendation No. 21</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="2"/>
            <xs:minLength value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="NumberOfPackages" minOccurs="0">
```

```
        <xs:annotation>
          <xs:documentation>Number of packages.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:int">
            <xs:minInclusive value="1"/>
            <xs:maxInclusive value="99999"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="PackageIdentification" minOccurs="0" maxOccurs="99">
        <xs:annotation>
          <xs:documentation>Particular marks and numbers to identify less than wagon
load assignments.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="35"/>
            <xs:minLength value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **Goods/Packing/NatureOfPacking**

diagram	**NatureOfPacking** Nature of packing according to the UN/ECE Recommandation No 21
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 2
annotation	documentation Nature of packing according to the UN/ECE Recommandation No 21 documentation CODE: UN/ECE-Recommendation No. 21

source	`<xs:element name="NatureOfPacking" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Nature of packing according to the UN/ECE Recommandation No 21</xs:documentation>`
	`  <xs:documentation>CODE: UN/ECE-Recommendation No. 21</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`

```
    <xs:restriction base="xs:string">
      <xs:maxLength value="2"/>
      <xs:minLength value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Goods/Packing/NumberOfPackages**

diagram	NumberOfPackages Number of packages.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation Number of packages.

source

```
<xs:element name="NumberOfPackages" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Number of packages.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:int">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="99999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Goods/Packing/PackageIdentification**

diagram	PackageIdentification 0..99 Particular marks and numbers to identify less than wagon load assignments.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 99 content simple
facets	Kind Value Annotation minLength 1

	maxLength 35
annotation	documentation Particular marks and numbers to identify less than wagon load assignments.

source	`<xs:element name="PackageIdentification" minOccurs="0" maxOccurs="99">`
	`  <xs:annotation>`
	`  <xs:documentation>Particular marks and numbers to identify less than wagon load assignments.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="35"/>`
	`  <xs:minLength value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **Goods/PreviousLoadedGood**

diagram	PreviousLoadedGood
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**NHMCodeType**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation length 6 pattern \d*[1-9]\d*
source	`<xs:element name="PreviousLoadedGood" type="NHMCodeType" minOccurs="0"/>`

element **Goods/AdditionalGoodInformation**

diagram	AdditionalGoodInformation Additional information regarding the loaded good, given by the customer.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation Additional information regarding the loaded good, given by the customer.
source	`<xs:element name="AdditionalGoodInformation" minOccurs="0">` `  <xs:annotation>`

```
    <xs:documentation>Additional information regarding the loaded good, given by the customer.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="350"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Goods/HS_Code**

diagram	HS_Code HS-Code for sensible goods (appendix 44c of ccip) 10 digits are needed, if a good code was already assigned for 'Zollanmeldung'. In this case this good code has to be taken. These good codes may have more than 6 digits.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation minLength 6 maxLength 10 pattern \d*[1-9]\d*
annotation	documentation HS-Code for sensible goods (appendix 44c of ccip) 10 digits are needed, if a good code was already assigned for 'Zollanmeldung'. In this case this good code has to be taken. These good codes may have more than 6 digits.

source

```
<xs:element name="HS_Code" minOccurs="0">
  <xs:annotation>
    <xs:documentation>HS-Code for sensible goods (appendix 44c of ccip) 10 digits are needed, if a good code was already assigned for 'Zollanmeldung'. In this case this good code has to be taken. These good codes may have more than 6 digits.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="6"/>
      <xs:maxLength value="10"/>
      <xs:pattern value="\d*[1-9]\d*"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Goods/EWC_Key**

diagram	EWC_Key Numeric key according to the European Waste Catalogue
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 2 maxLength 6 pattern \d*
annotation	documentation Numeric key according to the European Waste Catalogue documentation CODE: European waste catalogue (EWC) 2000/532/EC

source	`<xs:element name="EWC_Key" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Numeric key according to the European Waste Catalogue</xs:documentation>`
	`  <xs:documentation>CODE: European waste catalogue (EWC) 2000/532/EC</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="2"/>`
	`  <xs:maxLength value="6"/>`
	`  <xs:pattern value="\d*"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

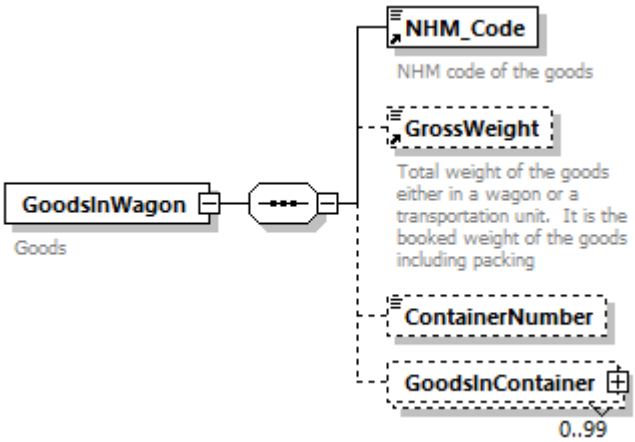
element **GoodsDescription**

diagram	GoodsDescription This element describes the goods of the shipment as free text
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
used by	elements **Goods** **Wagons/GoodsInWagon**
facets	Kind Value Annotation minLength 1 maxLength 255

annotation	documentation This element describes the goods of the shipment as free text

source	`<xs:element name="GoodsDescription" type="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>This element describes the goods of the shipment as free text</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

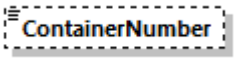
element **GoodsInWagon**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**NHM_Code** **GrossWeight** **ContainerNumber** **GoodsInContainer**
used by	element **WagonInformation**
annotation	documentation Goods

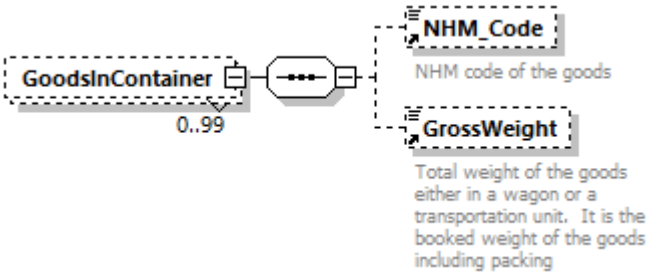
source	`<xs:element name="GoodsInWagon">`
	`  <xs:annotation>`
	`  <xs:documentation>Goods</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="NHM_Code"/>`
	`  <xs:element ref="GrossWeight" minOccurs="0"/>`
	`  <xs:element name="ContainerNumber" type="EquipmentNumberType" minOccurs="0"/>`
	`  <xs:element name="GoodsInContainer" minOccurs="0" maxOccurs="99">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="NHM_Code" minOccurs="0"/>`
	`  <xs:element ref="GrossWeight" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`  </xs:element>`
	`  </xs:sequence>`

```
  </xs:complexType>
</xs:element>
```

element **GoodsInWagon/ContainerNumber**

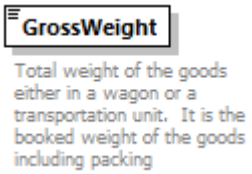
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**EquipmentNumberType**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 13
source	`<xs:element name="ContainerNumber" type="EquipmentNumberType" minOccurs="0"/>`

element **GoodsInWagon/GoodsInContainer**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 99 content complex
children	**NHM_Code** **GrossWeight**

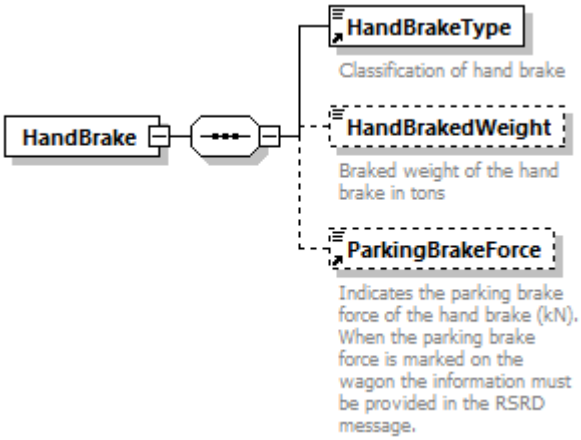
source	`<xs:element name="GoodsInContainer" minOccurs="0" maxOccurs="99">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="NHM_Code" minOccurs="0"/>`
	`  <xs:element ref="GrossWeight" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **GrossWeight**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**WeightValueKilo**
properties	content simple
used by	elements **Goods** **GoodsInWagon/GoodsInContainer** **GoodsInWagon** **Wagons/GoodsInWagon**
facets	Kind / Value / Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse
annotation	documentation Total weight of the goods either in a wagon or a transportation unit. It is the booked weight of the goods including packing

source	`<xs:element name="GrossWeight" type="WeightValueKilo">`
	`  <xs:annotation>`
	`  <xs:documentation>Total weight of the goods either in a wagon or a transportation unit. It is the booked weight of the goods including packing </xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **HandBrake**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**HandBrakeType** **HandBrakedWeight** **ParkingBrakeForce**
used by	elements **RollingStockDataset/DesignDataSet** **RollingStockTechnicalData** **Traction**
source	`<xs:element name="HandBrake">`

```
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="HandBrakeType"/>
      <xs:element name="HandBrakedWeight" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Braked weight of the hand brake in
tons</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:decimal">
            <xs:totalDigits value="4"/>
            <xs:fractionDigits value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="ParkingBrakeForce" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **HandBrake/HandBrakedWeight**

diagram	HandBrakedWeight Braked weight of the hand brake in tons
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:decimal**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation totalDigits 4 fractionDigits 1
annotation	documentation Braked weight of the hand brake in tons

source

```
<xs:element name="HandBrakedWeight" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Braked weight of the hand brake in tons</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:decimal">
      <xs:totalDigits value="4"/>
      <xs:fractionDigits value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **HandBrakeType**

diagram	**HandBrakeType** Classification of hand brake
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	elements **HandBrake** **UnitTechnicalData** **WagonTechData**
facets	Kind / Value / Annotation enumeration 0 — documentation: No hand brake enumeration 1 — documentation: Ground-operated hand brake enumeration 2 — documentation: Platform-operated hand brake
annotation	documentation Classification of hand brake
source	<xs:element name="HandBrakeType"> <xs:annotation> <xs:documentation>Classification of hand brake</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="0"> <xs:annotation> <xs:documentation>No hand brake</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>Ground-operated hand brake</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="2"> <xs:annotation> <xs:documentation>Platform-operated hand brake</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element>

element **HandlingInstruction**

diagram	**HandlingInstruction** Special instructions regarding the handling of the wagon or shipment in free text
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	**FreeText**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Special instructions regarding the handling of the wagon or shipment in free text

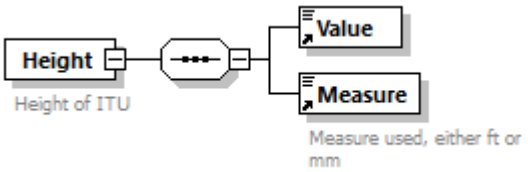
source	`<xs:element name="HandlingInstruction" type="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>Special instructions regarding the handling of the wagon or shipment in free text</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **HandoverPointFlag**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
used by	element **LocationPrimaryInformation**
annotation	documentation Identifies if the location is a Handover Point from IM to IM

source	`<xs:element name="HandoverPointFlag">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies if the location is a Handover Point from IM to IM</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **Height**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Value** **Measure**
used by	element **Dimensions** complexType **DimensionValue**
annotation	documentation Height of ITU

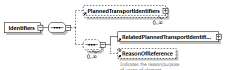
source	<xs:element name="Height"> <xs:annotation> <xs:documentation>Height of ITU</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Value"/> <xs:element ref="Measure"/> </xs:sequence> </xs:complexType> </xs:element>

element **HighestPlannedSpeed**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Speed**
properties	content simple
used by	element **PlannedTrainTechnicalData**
facets	Kind Value Annotation minInclusive 001 maxInclusive 999
annotation	documentation IM may inform the RA (Responsible applicant) on the speed which was the basis for path construction
source	<xs:element name="HighestPlannedSpeed" type="Speed"> <xs:annotation> <xs:documentation>IM may inform the RA (Responsible applicant) on the speed which was the basis for path construction</xs:documentation> </xs:annotation> </xs:element>

element **Identifiers**

diagram


Identifiers
PlannedTransportIdentifiers
0..∞
choice
0..∞
RelatedPlannedTransportIdentifi...
ReasonOfReference
Indicates the reason/purpose of usage of element RelatedPlannedTransportIdentifier.

Use of codes for element ReasonOfReference:
1000 = Same path offer is desired as for stated PathRequestMessage (Additional information: For a train requested with more than one PathRequestMessage (all stated routes/path elements) the same (or nearly the same)
routing and timing at location in path offers for all PathRequestMessages (PathRequestIDs) is desired by Responsible Applicant (If it is possible).
RPTID: All others PathRequestIDs)
1001 = Same path is desired as for stated train/path (Additional information: For that path request the same (or nearly the same) routing/path elaborations/offer is desired by Responsible Applicant.
(If it is possible) as for stated train/path (may be in a previous period). RPTID: TrainID or PathID).
1002 = Partial replacement of stated previous path (Additional information:The current path given in PathDetailsMessage will partially replace the stated fully, after confirming the path offer.
The code is used to mark an alternative offer after PathNack/validateMessagePathCanceleMessage or path alteration by IM. Calendar of offered path is only part of the calendar of path contain the same dates. The pre-vious path doesn't exist anymore. RPTID: PathID).
1003 = Partial replacement of stated previous path (Additional information: The current path given in PathDetailsMessage will partially replace the stated partially, after confirming the path offer.
The code is used to mark an alternative offer after PathNack/validateMessagePathCanceleMessage or path alteration by IM only for a part of
the pre-vious calendar/traffic days. Calendar of offered path is only part of the calendar of path contain the same dates. The calendar of the pre-vious path doesn't exist anymore or changed (less days and shorter validity period) after confirmation of offered path. RPTID: PathID).
1004 = Reference to sub train of Y-train bundle (Additional information: The current PathRequestMessage contains the main train of a Y-train bundle; the TrainID stated in RPTID is for
the sub train which will be joined with or splitted of the main train.)
1005 = Reference to main train of Y-train bundle (Additional information: The current PathRequestMessage contains the sub train of a Y-train bundle. The TrainID stated in RPTID is for
the main train with which the sub train will be joined or splitted of.)
1006 = Reference to another PathRequestMessage after interruption train's journey: by a foreign infrastructure area (Additional information: The referencing indicates that another PathRequestMessage (specifying PathRequestID as RPTID) for the same train exists after passing a foreign infrastructure area to continue train's journey.)
1007 = Reference to another PathRequestMessage before entering into a foreign infrastructure area (Additional information: The referencing indicates that another PathRequestMessage (specifying PathRequestID as RPTID) for the same train exists before passing a foreign infrastructure area.)
1008 = Reference to further PathRequestMessage (Additional information: There are more than one path offers for the PathRequestMessage. RPTID: All other PathIDs.)
1009 = Reference to booked path for one interruption of railway replacement traffic by bus (Additional information: The stated train/path is booked for one interruption of railway replacement traffic with that new requested train/path. RPTID: PathID).
1010 = Reference to a PreArrangedPath (Additional information: Reference to a PathID of existing PAR, which is to be used by an annual train-timetable (Fixed PAR). RPTID: PathID).
1011 = Only the new train object shall be linked with the existing booked path for the specified validity period; no new path elaboration is needed
(Additional information: The code is used, when a new train object has to be linked with an existing booked path for a specified validity period
and no new path elaboration is needed. It is used in modification process of planning phase only: Messages: UpdateLinkMessage and ObjectInfoMessage. Result: Internal path modification (reduce of validity period, shorter) for previous Path. New path with new PathID for
the specified validity period. RPTID: Previous PathID.) Use of codes:
1012 = New Pref offer to former draft offer (Additional information: Reference to (old) draft offer (PathID) is used for a (different) new offer (TrackOfInformation : Final offer).
Code is used only in process PathRequest (Annual timetable). RPTID : PathID of draft offer.)
1013 = Booked path after modification by Responsible Applicant (Additional information: Reference to replaced path when it is making an offer after receiving a PathRequestMessage sent by RA for
modification of booked path. Code is used only in Path Modification process in Path-DetailsMessage. RPTID: PathID.)
1014 = New Route (Additional information: Reference to previous Route replaced by the new Route)

1015 = Updated Route (Additional information: Reference to the Route that is updated)
1016 = Reference to a related path request (mainly: Path Request for Shunting
1001 = Reference to another object on the basis of incident management in operations (Additional information: Specific code only: for one IM/national codes:

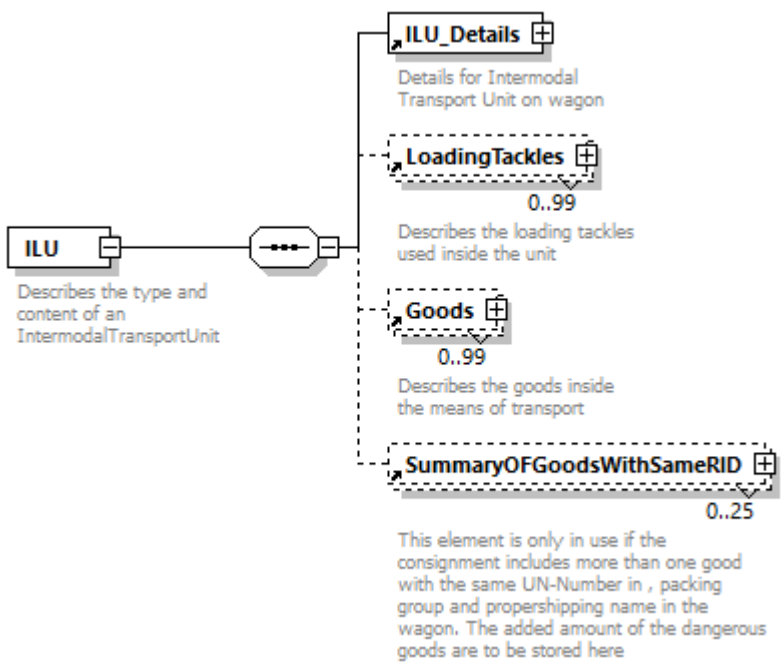
D651 = Reference to an associated errors/transfer train (Additional information: Stated train is a related train with passengers before or behind the current requested path for a train with
passengers. RPTID: TrainID.)
D652 = Reference to an associated main run (Additional information: Stated train is a related train with passengers before or behind the current requested path for a train without
passengers. RPTID: TrainID.)
D653 = Notice stated PathRequestMessage (Additional information: For path elaboration of stated PathRequestMessage no additional PathRequestMessage should be considered.
RPTID: PathRequestID.)
D654 = Replacement of stated train (Additional information: Full or partial replacement of the named former train (stated in RPTID) by
passenger trainset (like ICE or TGV)
for set of loco and wagons in case of technical problems, or other reasons (mainly not only: change of TrainID. RPTID: TrainID.)
D655 = Reference to a reserved capacity (Additional information: This code can be used to refer to a study offer (with booking option) as a result of the KPB process (Internal
product of DB Netz). RPTID: PathID.)
D656 = Use of same OTN as of stated train (Additional information: Responsible Applicant wants to use same OTN as a stated train because of all trains are part of same family.
The trains have only slightly differences on various days. RPTID: TrainID.)

D657 = PathID from a framework contract

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**PlannedTransportIdentifiers** **RelatedPlannedTransportIdentifiers** **ReasonOfReference**
used by	elements **UpdateLinkMessage/Operation** **PathCanceledMessage** **PathConfirmedMessage** **PathCoordinationMessage** **PathDetailsMessage** **PathDetailsRefusedMessage** **ObjectInfoMessage/TrainInformationExtended/PathInformationExtended** **ObjectInfoMessage/PathInformationExtended** **PathNotAvailableMessage** **PathRequestMessage** **PathSectionNotificationMessage** **ReceiptConfirmationMessage** **ObjectInfoMessage/TrainInformationExtended** complexTypes **CapacityModelType** **TCRType**
source	

```
<xs:element name="Identifiers">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="PlannedTransportIdentifiers" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:sequence minOccurs="0" maxOccurs="unbounded">
        <xs:element ref="RelatedPlannedTransportIdentifiers"/>
        <xs:element ref="ReasonOfReference" minOccurs="0"/>
      </xs:sequence>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ILU**

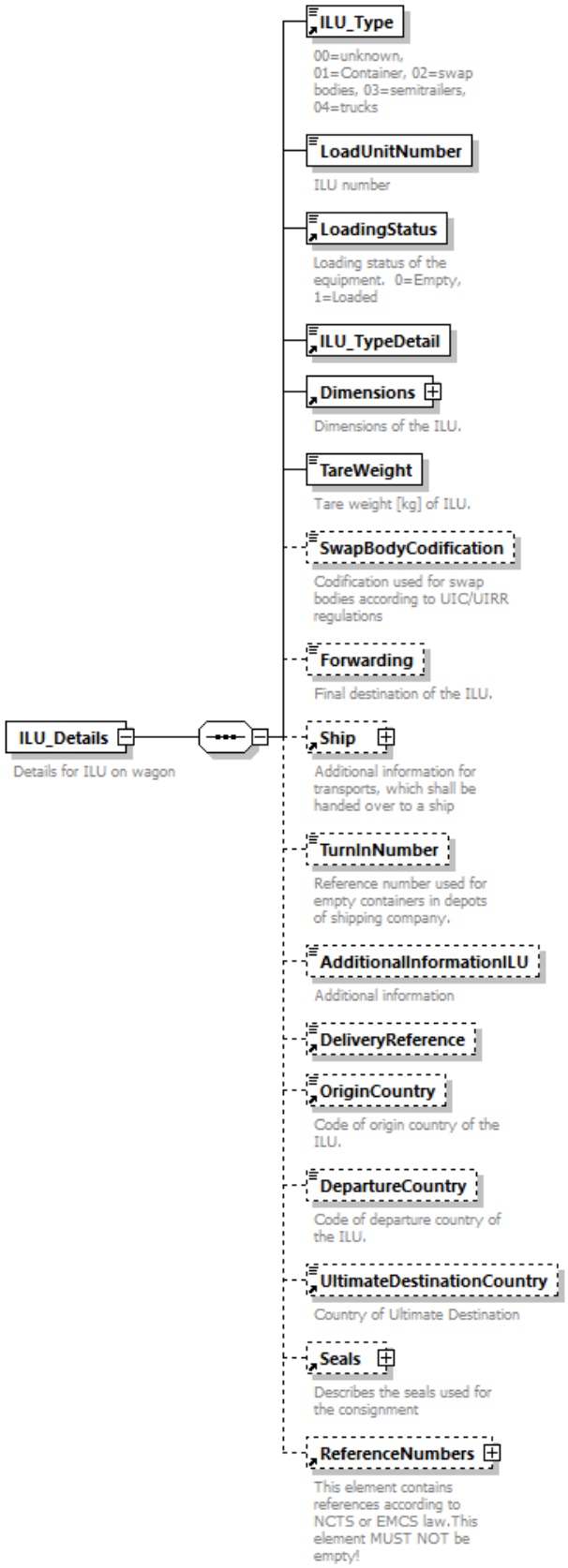
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**ILU_Details** **LoadingTackles** **Goods** **SummaryOFGoodsWithSameRID**

used by	element **Wagons/GoodsInWagon**
annotation	documentation Describes the type and content of an IntermodalTransportUnit
source	

```
<xs:element name="ILU">
  <xs:annotation>
    <xs:documentation>Describes the type and content of an
IntermodalTransportUnit</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="ILU_Details">
        <xs:annotation>
          <xs:documentation>Details for Intermodal Transport Unit on
wagon</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="LoadingTackles" minOccurs="0" maxOccurs="99">
        <xs:annotation>
          <xs:documentation>Describes the loading tackles used inside the
unit</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="Goods" minOccurs="0" maxOccurs="99"/>
      <xs:element ref="SummaryOFGoodsWithSameRID" minOccurs="0" maxOccurs="25"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ILU_Details**

diagram


ILU_Details
Details for ILU on wagon
ILU_Type
00=unknown, 01=Container, 02=swap bodies, 03=semitrailers, 04=trucks
LoadUnitNumber
ILU number
LoadingStatus
Loading status of the equipment. 0=Empty, 1=Loaded
ILU_TypeDetail
Dimensions
Dimensions of the ILU.
TareWeight
Tare weight [kg] of ILU.
SwapBodyCodification
Codification used for swap bodies according to UIC/UIRR regulations
Forwarding
Final destination of the ILU.
Ship
Additional information for transports, which shall be handed over to a ship
TurnInNumber
Reference number used for empty containers in depots of shipping company.
AdditionalInformationILU
Additional information
DeliveryReference
OriginCountry
Code of origin country of the ILU.
DepartureCountry
Code of departure country of the ILU.
UltimateDestinationCountry
Country of Ultimate Destination
Seals
Describes the seals used for the consignment
ReferenceNumbers
This element contains references according to NCTS or EMCS law.This element MUST NOT be empty!

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**ILU_Type** **LoadUnitNumber** **LoadingStatus** **ILU_TypeDetail** **Dimensions** **TareWeight** **SwapBodyCodification** **Forwarding** **Ship** **TurnInNumber** **AdditionalInformationILU** **DeliveryReference** **OriginCountry** **DepartureCountry** **UltimateDestinationCountry** **Seals** **ReferenceNumbers**
used by	element **ILU**
annotation	documentation Details for ILU on wagon

source

```
<xs:element name="ILU_Details">
  <xs:annotation>
    <xs:documentation>Details for ILU on wagon</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="ILU_Type">
        <xs:annotation>
          <xs:documentation>00=unknown, 01=Container, 02=swap bodies,
03=semitrailers, 04=trucks</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="LoadUnitNumber" type="LoadUnitNumberType">
        <xs:annotation>
          <xs:documentation>ILU number</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="LoadingStatus"/>
      <xs:element ref="ILU_TypeDetail"/>
      <xs:element ref="Dimensions">
        <xs:annotation>
          <xs:documentation>Dimensions of the ILU.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="TareWeight" type="WeightValueKilo">
        <xs:annotation>
          <xs:documentation>Tare weight [kg] of ILU.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="SwapBodyCodification" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Codification used for swap bodies according to UIC/UIRR
regulations </xs:documentation>
          <xs:documentation>CODE:</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="3"/>
            <xs:maxLength value="4"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="Forwarding" minOccurs="0">
        <xs:annotation>
```

```
          <xs:documentation>Final destination of the ILU.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="80"/>
            <xs:minLength value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="Ship" minOccurs="0">
        <xs:annotation/>
      </xs:element>
      <xs:element name="TurnInNumber" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Reference number used for empty containers in depots of
shipping company.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="30"/>
            <xs:minLength value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="AdditionalInformationILU" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Additional information </xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="350"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="DeliveryReference" minOccurs="0"/>
      <xs:element ref="OriginCountry" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Code of origin country of the ILU.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="DepartureCountry" type="CountryIdentISO" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Code of departure country of the
ILU.</xs:documentation>
          <xs:documentation>CODE: ISO-3166-2</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="UltimateDestinationCountry" minOccurs="0"/>
      <xs:element ref="Seals" minOccurs="0"/>
      <xs:element ref="ReferenceNumbers" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ILU_Details/LoadUnitNumber**

diagram	**LoadUnitNumber** ILU number
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LoadUnitNumberType**
properties	content simple
facets	Kind / Value / Annotation whiteSpace replace pattern [A-Za-z0-9]{11}
annotation	documentation ILU number

source	`<xs:element name="LoadUnitNumber" type="LoadUnitNumberType">`
	`  <xs:annotation>`
	`  <xs:documentation>ILU number</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ILU_Details/TareWeight**

diagram	**TareWeight** Tare weight [kg] of ILU.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**WeightValueKilo**
properties	content simple
facets	Kind / Value / Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse
annotation	documentation Tare weight [kg] of ILU.

source	`<xs:element name="TareWeight" type="WeightValueKilo">`
	`  <xs:annotation>`
	`  <xs:documentation>Tare weight [kg] of ILU.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ILU_Details/SwapBodyCodification**

diagram	**SwapBodyCodification** Codification used for swap bodies according to UIC/UIRR regulations
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 3 maxLength 4
annotation	documentation Codification used for swap bodies according to UIC/UIRR regulations documentation CODE:

source	`<xs:element name="SwapBodyCodification" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Codification used for swap bodies according to UIC/UIRR regulations </xs:documentation>`
	`  <xs:documentation>CODE:</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="3"/>`
	`  <xs:maxLength value="4"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ILU_Details/Forwarding**

diagram	**Forwarding** Final destination of the ILU.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 80
annotation	documentation Final destination of the ILU.

source	`<xs:element name="Forwarding" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Final destination of the ILU.</xs:documentation>`

```
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="80"/>
      <xs:minLength value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ILU_Details/TurnInNumber**

diagram	TurnInNumber Reference number used for empty containers in depots of shipping company.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 30
annotation	documentation Reference number used for empty containers in depots of shipping company.

source

```
<xs:element name="TurnInNumber" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Reference number used for empty containers in depots of
shipping company.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="30"/>
      <xs:minLength value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ILU_Details/AdditionalInformationILU**

diagram	AdditionalInformationILU Additional information
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple

facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation Additional information

source	`<xs:element name="AdditionalInformationILU" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Additional information </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="350"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ILU_Details/DepartureCountry**

diagram	DepartureCountry Code of departure country of the ILU.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CountryIdentISO**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation Code of departure country of the ILU. documentation CODE: ISO-3166-2

source	`<xs:element name="DepartureCountry" type="CountryIdentISO" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Code of departure country of the ILU.</xs:documentation>`
	`  <xs:documentation>CODE: ISO-3166-2</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ILU_Type**

diagram	ILU_Type Type of ILU. Further information is given for each enumeration element.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	**TypeOfLoadUnitType**
properties	content simple
used by	element **ILU_Details**
facets	Kind / Value / Annotation enumeration 00 — documentation: unknown enumeration 01 — documentation: Container enumeration 02 — documentation: swap bodies enumeration 03 — documentation: semitrailers enumeration 04 — documentation: truck
annotation	documentation Type of ILU. Further information is given for each enumeration element.

source	`<xs:element name="ILU_Type" type="TypeOfLoadUnitType">`
	`  <xs:annotation>`
	`  <xs:documentation>Type of ILU. Further information is given for each enumeration element.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ILU_TypeDetail**

diagram	ILU_TypeDetail
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **ILU_Details**
facets	Kind / Value / Annotation enumeration BX enumeration BK enumeration FL enumeration HT enumeration HC enumeration IN enumeration OT enumeration HH enumeration PW enumeration OS enumeration RF enumeration SD enumeration SL enumeration VE enumeration TC

	enumeration RH
source	

```
<xs:element name="ILU_TypeDetail">
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="BX"/>
      <xs:enumeration value="BK"/>
      <xs:enumeration value="FL"/>
      <xs:enumeration value="HT"/>
      <xs:enumeration value="HC"/>
      <xs:enumeration value="IN"/>
      <xs:enumeration value="OT"/>
      <xs:enumeration value="HH"/>
      <xs:enumeration value="PW"/>
      <xs:enumeration value="OS"/>
      <xs:enumeration value="RF"/>
      <xs:enumeration value="SD"/>
      <xs:enumeration value="SL"/>
      <xs:enumeration value="VE"/>
      <xs:enumeration value="TC"/>
      <xs:enumeration value="RH"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **IM_Partner**

diagram	IM_Partner Infrastructure Manager
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
used by	elements **Wagons/WagonDetails/ExceptionalConsignment** **ExceptionalGaugingIdent**
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Infrastructure Manager
source	

```
<xs:element name="IM_Partner" type="CompanyCode">
  <xs:annotation>
    <xs:documentation>Infrastructure Manager</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **ImpactedRU**

diagram	ImpactedRU The RU impacted by a restriction
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation The RU impacted by a restriction

source	`<xs:element name="ImpactedRU" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>The RU impacted by a restriction</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **IncotermCode**

diagram	IncotermCode Incoterm (given by the client)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **ConsignmentOrderMessage/COMS/COM/PrepaymentInstructions/PrepaymentCustomer**
facets	Kind Value Annotation enumeration CIP documentation Carriage Insurance Paid enumeration CPT documentation Carriage Paid To enumeration DAF documentation Delivered At Frontier (deprecated in 2011-01-01) enumeration DDP documentation Delivered Duty Paid enumeration DDU documentation Delivered Duty Unpaid (deprecated in 2011-01-01) enumeration EXW documentation EX Works enumeration FCA documentation Free Carrier enumeration DAP documentation Delivered At Place enumeration DAT documentation Delivered At Terminal

annotation	documentation Incoterm (given by the client)

source

```
<xs:element name="IncotermCode">
  <xs:annotation>
    <xs:documentation>Incoterm (given by the client)</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="CIP">
        <xs:annotation>
          <xs:documentation>Carriage Insurance Paid</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="CPT">
        <xs:annotation>
          <xs:documentation>Carriage Paid To</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="DAF">
        <xs:annotation>
          <xs:documentation>Delivered At Frontier (deprecated in
2011-01-01)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="DDP">
        <xs:annotation>
          <xs:documentation>Delivered Duty Paid</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="DDU">
        <xs:annotation>
          <xs:documentation>Delivered Duty Unpaid (deprecated in
2011-01-01)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="EXW">
        <xs:annotation>
          <xs:documentation>EX Works</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="FCA">
        <xs:annotation>
          <xs:documentation>Free Carrier</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="DAP">
        <xs:annotation>
          <xs:documentation>Delivered At Place</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="DAT">
        <xs:annotation>
          <xs:documentation>Delivered At Terminal</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
```

```
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **InfoOnGoodsShapeTypeDanger**

diagram	**InfoOnGoodsShapeTypeDanger** Additional codified information on the load. Coding Structures as defined in 404-2 chapter 4.1
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **WagonOperationalData**

facets

Kind	Value	Annotation
enumeration	01	documentation Container
enumeration	02	documentation Other intermodal traffic
enumeration	03	documentation Rolling road (RR)
enumeration	06	documentation Semi-Trailer on bogies
enumeration	10	documentation 1 - danger of explosion (subclass 1.1, 1.2, 1.3)
enumeration	14	documentation 1.4 - danger of explosion (subclass 1.4)
enumeration	15	documentation 1.5 - danger of explosion (subclass 1.5)
enumeration	16	documentation 1.6 - danger of explosion (subclass 1.6)
enumeration	21	documentation 2.1 - inflammable gases
enumeration	22	documentation 2.2 - non inflammable,non-toxic gases
enumeration	23	documentation 2.3 - toxic gases
enumeration	30	documentation 3 - fire hazard (inflammable liquids)
enumeration	41	documentation 4.1 - fire hazard (inflammable solids)
enumeration	42	documentation 4.2 - spontaneoulsy inflammable
enumeration	43	documentation 4.3 - gives off inflammable gas on contact with water
enumeration	51	documentation 5.1 - combustible substance
enumeration	52	documentation 5.2 - organic peroxide
enumeration	61	documentation 6.1 - toxic substance
enumeration	62	documentation 6.2 - infectious substance
enumeration	71	documentation

			7A - radioactive substance in category I packing WHITE
	enumeration	72	documentation
			7B - radioactive substance in category II packing YELLOW
	enumeration	73	documentation
			7C - radioactive substance in category III packing YELLOW
	enumeration	74	documentation
			7D - Common label for radioactive substances included under 7A, 7B + 7C
	enumeration	75	documentation
			7E - fissible substance
	enumeration	80	documentation
			8 - corrosive substance
	enumeration	90	documentation
			Various dangerouse substance and objects not covered by the other classes
	enumeration	96	documentation
			Environmentally hazardous substance (RID 5.2.1.8)
	enumeration	97	documentation
			More than 8 tons of dangerous goods packaged in limited quantities (LQ)
	enumeration	98	documentation
			Livestock
	enumeration	99	documentation
			Perishables
annotation	documentation Additional codified information on the load. Coding Structures as defined in 404-2 chapter 4.1		

source

```
<xs:element name="InfoOnGoodsShapeTypeDanger">
  <xs:annotation>
    <xs:documentation>Additional codified information on the load.  Coding
Structures as defined in 404-2  chapter 4.1</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="01">
        <xs:annotation>
          <xs:documentation>Container</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="02">
        <xs:annotation>
          <xs:documentation>Other intermodal traffic</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="03">
        <xs:annotation>
          <xs:documentation>Rolling road (RR)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="06">
        <xs:annotation>
          <xs:documentation>Semi-Trailer on bogies</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="10">
        <xs:annotation>
          <xs:documentation>1 - danger of explosion (subclass 1.1, 1.2,
1.3)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
```

```
      <xs:enumeration value="14">
        <xs:annotation>
          <xs:documentation>1.4 - danger of explosion (subclass
1.4)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="15">
        <xs:annotation>
          <xs:documentation>1.5 - danger of explosion (subclass
1.5)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="16">
        <xs:annotation>
          <xs:documentation>1.6 - danger of explosion (subclass
1.6)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="21">
        <xs:annotation>
          <xs:documentation>2.1 - inflammable gases</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="22">
        <xs:annotation>
          <xs:documentation>2.2 - non inflammable,non-toxic
gases</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="23">
        <xs:annotation>
          <xs:documentation>2.3 - toxic gases</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="30">
        <xs:annotation>
          <xs:documentation>3 - fire hazard (inflammable
liquids)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="41">
        <xs:annotation>
          <xs:documentation>4.1 - fire hazard (inflammable
solids)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="42">
        <xs:annotation>
          <xs:documentation>4.2 - spontaneoulsy inflammable</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="43">
        <xs:annotation>
          <xs:documentation>4.3 - gives off inflammable gas on contact with
water</xs:documentation>
```

```
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="51">
        <xs:annotation>
          <xs:documentation>5.1 - combustible substance</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="52">
        <xs:annotation>
          <xs:documentation>5.2 - organic peroxide</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="61">
        <xs:annotation>
          <xs:documentation>6.1 - toxic substance</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="62">
        <xs:annotation>
          <xs:documentation>6.2 - infectious substance</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="71">
        <xs:annotation>
          <xs:documentation>7A - radioactive substance in category I packing
WHITE</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="72">
        <xs:annotation>
          <xs:documentation>7B - radioactive substance in category II packing
YELLOW</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="73">
        <xs:annotation>
          <xs:documentation>7C - radioactive substance in category III packing
YELLOW</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="74">
        <xs:annotation>
          <xs:documentation>7D - Common label for radioactive substances included
under 7A, 7B + 7C</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="75">
        <xs:annotation>
          <xs:documentation>7E - fissible substance</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="80">
        <xs:annotation>
          <xs:documentation>8 - corrosive substance</xs:documentation>
        </xs:annotation>
```

```
      </xs:enumeration>
      <xs:enumeration value="90">
        <xs:annotation>
          <xs:documentation>Various dangerouse substance and objects not covered by
the other classes</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="96">
        <xs:annotation>
          <xs:documentation>Environmentally hazardous substance (RID
5.2.1.8)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="97">
        <xs:annotation>
          <xs:documentation>More than 8 tons of dangerous goods packaged in limited
quantities (LQ)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="98">
        <xs:annotation>
          <xs:documentation>Livestock</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="99">
        <xs:annotation>
          <xs:documentation>Perishables</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **InformationToBeDisplayed**

diagram	**InformationToBeDisplayed** Information for passengers displayed in the stations or in public timetables
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple

facets

Kind	Value	Annotation
enumeration	01 First-class seats vehicle	
enumeration	02 First-class couchettes vehicle	
enumeration	03 First-class sleepers vehicle	
enumeration	04 Second-class seats vehicle	
enumeration	05 Second-class couchettes vehicle	
enumeration	06 Second-class sleepers vehicle	
enumeration	07 Second-class reclining seats vehicle	

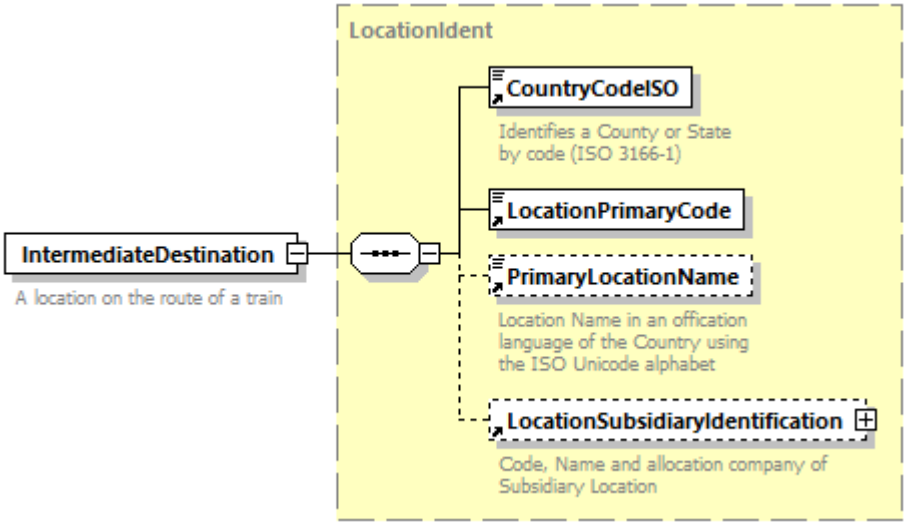
	enumeration 08 Panorama vehicle enumeration 09 Dining vehicle enumeration 10 Bar/Bistro vehicle enumeration 11 Mobile dining service enumeration 12 Cars loaded enumeration 13 Cars loaded against direction of travel enumeration 14 Cars loaded in direction of travel enumeration 15 Non-smoking vehicle enumeration 16 Vehicle with smoking compartments enumeration 17 Vehicle with PRM access enumeration 18 Silence vehicle enumeration 19 Vehicle with child/family facilities enumeration 20 Vehicle with compartments reserved for women enumeration 21 Bike accepted enumeration 22 Bike accepted for free enumeration 23 Bike accepted against paiement enumeration 24 Special vehicle enumeration 25 Telephone enumeration 26 Wifi enumeration 27 Service vehicle enumeration 28 Train staff available in this vehicle enumeration 29 Not in service vehicle enumeration 30 With supplement enumeration 31 Reservation compulsory
annotation	documentation Information for passengers displayed in the stations or in public timetables
source	

```
<xs:element name="InformationToBeDisplayed">
  <xs:annotation>
    <xs:documentation>Information for passengers displayed in the stations or in
public timetables</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="01 First-class seats vehicle"/>
      <xs:enumeration value="02 First-class couchettes vehicle"/>
      <xs:enumeration value="03 First-class sleepers vehicle"/>
      <xs:enumeration value="04 Second-class seats vehicle"/>
      <xs:enumeration value="05 Second-class couchettes vehicle"/>
      <xs:enumeration value="06 Second-class sleepers vehicle"/>
      <xs:enumeration value="07 Second-class reclining seats vehicle"/>
      <xs:enumeration value="08 Panorama vehicle"/>
      <xs:enumeration value="09 Dining vehicle"/>
      <xs:enumeration value="10 Bar/Bistro vehicle"/>
      <xs:enumeration value="11 Mobile dining service"/>
      <xs:enumeration value="12 Cars loaded"/>
      <xs:enumeration value="13 Cars loaded against direction of travel"/>
      <xs:enumeration value="14 Cars loaded in direction of travel"/>
      <xs:enumeration value="15 Non-smoking vehicle"/>
      <xs:enumeration value="16 Vehicle with smoking compartments"/>
      <xs:enumeration value="17 Vehicle with PRM access"/>
```

```
      <xs:enumeration value="18 Silence vehicle"/>
      <xs:enumeration value="19 Vehicle with child/family facilities"/>
      <xs:enumeration value="20 Vehicle with compartments reserved for women"/>
      <xs:enumeration value="21 Bike accepted"/>
      <xs:enumeration value="22 Bike accepted for free"/>
      <xs:enumeration value="23 Bike accepted against paiement"/>
      <xs:enumeration value="24 Special vehicle"/>
      <xs:enumeration value="25 Telephone"/>
      <xs:enumeration value="26 Wifi"/>
      <xs:enumeration value="27 Service vehicle"/>
      <xs:enumeration value="28 Train staff available in this vehicle"/>
      <xs:enumeration value="29 Not in service vehicle"/>
      <xs:enumeration value="30 With supplement"/>
      <xs:enumeration value="31 Reservation compulsory"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **IntermediateDestination**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	element **NextIntermediateDestination**
annotation	documentation A location on the route of a train

source

```
<xs:element name="IntermediateDestination" type="LocationIdent">
  <xs:annotation>
    <xs:documentation>A location on the route of a train</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **InternalReferenceIdentifier**

diagram	**InternalReferenceIdentifier** The link to the IM System Reference
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
used by	elements **DelayCauseTime** **InterruptionPoint/Interruption** **InterruptionInformation** **ReceiptConfirmationMessage** **TrainJourneyModificationMessage**
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation The link to the IM System Reference

source	`<xs:element name="InternalReferenceIdentifier" type="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>The link to the IM System Reference</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **InternalVehicleFacility**

diagram	**InternalVehicleFacility** Facility offered in a rolling stock
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	element **UnitData**
facets	Kind Value Annotation enumeration 01 documentation PRM (generic): Equipements for PRM enumeration 02 documentation PRM: number of equipments enumeration 03 documentation PRM: fit for wheelchair enumeration 04 documentation PRM: adapted toilets enumeration 10 documentation Boxes for bicycles enumeration 11 documentation Non-smoking vehicle enumeration 12 documentation Sound system available enumeration 13 documentation

			Box for conductor
	enumeration	14	documentation Smoking compartment
	enumeration	15	documentation Dining car
	enumeration	16	documentation Number of business class seats
	enumeration	17	documentation Number if first class seats
	enumeration	18	documentation Number of second class seats
	enumeration	19	documentation Number of seats with reclining position
	enumeration	20	documentation Number of sleeping places
	enumeration	21	documentation Compartment for children
	enumeration	22	documentation Service vehicle
	enumeration	23	documentation Status of vehicle (open/closed to clients)
	enumeration	24	documentation Panorama vehicle
	enumeration	25	documentation Vehicle with business compartments
	enumeration	26	documentation Lounge first class
	enumeration	27	documentation Lounge second class
	enumeration	28	documentation Vehicle with conference compartment
	enumeration	29	documentation Bistro vehicle
annotation	documentation Facility offered in a rolling stock		

source

```
<xs:element name="InternalVehicleFacility">
  <xs:annotation>
    <xs:documentation>Facility offered in a rolling stock</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="01">
        <xs:annotation>
          <xs:documentation xml:lang="en">PRM (generic): Equipements for
PRM</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="02">
        <xs:annotation>
          <xs:documentation xml:lang="en">PRM: number of
equipments</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="03">
        <xs:annotation>
          <xs:documentation xml:lang="en">PRM: fit for
wheelchair</xs:documentation>
        </xs:annotation>
```

```
      </xs:enumeration>
      <xs:enumeration value="04">
        <xs:annotation>
          <xs:documentation xml:lang="en">PRM: adapted toilets</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="10">
        <xs:annotation>
          <xs:documentation xml:lang="en">Boxes for bicycles</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="11">
        <xs:annotation>
          <xs:documentation xml:lang="en">Non-smoking vehicle</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="12">
        <xs:annotation>
          <xs:documentation xml:lang="en">Sound system
available</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="13">
        <xs:annotation>
          <xs:documentation xml:lang="en">Box for conductor</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="14">
        <xs:annotation>
          <xs:documentation xml:lang="en">Smoking compartment</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="15">
        <xs:annotation>
          <xs:documentation xml:lang="en">Dining car</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="16">
        <xs:annotation>
          <xs:documentation xml:lang="en">Number of business class
seats</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="17">
        <xs:annotation>
          <xs:documentation xml:lang="en">Number if first class
seats</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="18">
        <xs:annotation>
          <xs:documentation xml:lang="en">Number of second class
seats</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
```

```
      <xs:enumeration value="19">
        <xs:annotation>
          <xs:documentation xml:lang="en">Number of seats with reclining
position</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="20">
        <xs:annotation>
          <xs:documentation xml:lang="en">Number of sleeping
places</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="21">
        <xs:annotation>
          <xs:documentation xml:lang="en">Compartment for
children</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="22">
        <xs:annotation>
          <xs:documentation xml:lang="en">Service vehicle</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="23">
        <xs:annotation>
          <xs:documentation xml:lang="en">Status of vehicle (open/closed to
clients)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="24">
        <xs:annotation>
          <xs:documentation xml:lang="en">Panorama vehicle</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="25">
        <xs:annotation>
          <xs:documentation xml:lang="en">Vehicle with business
compartments</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="26">
        <xs:annotation>
          <xs:documentation xml:lang="en">Lounge first class</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="27">
        <xs:annotation>
          <xs:documentation xml:lang="en">Lounge second class</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="28">
        <xs:annotation>
          <xs:documentation xml:lang="en">Vehicle with conference
compartment</xs:documentation>
        </xs:annotation>
```

```
      </xs:enumeration>
      <xs:enumeration value="29">
        <xs:annotation>
          <xs:documentation xml:lang="en">Bistro vehicle</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **InteropCapability**

diagram	**InteropCapability** Identification of the general interoperability capability of the wagon.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	element **RollingStockDataset/AdministrativeDataSet**
facets	Kind / Value / Annotation totalDigits 2 enumeration 1 documentation National enumeration 2 documentation Bi-/Multilateral (with agreement or authorisation grid) enumeration 3 documentation RIV enumeration 5 documentation TEN enumeration 6 documentation TEN-GE enumeration 7 documentation TEN-CW enumeration 8 documentation TEN RIV
annotation	documentation Identification of the general interoperability capability of the wagon.

source

```
<xs:element name="InteropCapability">
  <xs:annotation>
    <xs:documentation>Identification of the general interoperability capability of
the wagon.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:totalDigits value="2"/>
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>National</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
```

```
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>Bi-/Multilateral (with agreement or authorisation
grid)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="3">
        <xs:annotation>
          <xs:documentation>RIV</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="5">
        <xs:annotation>
          <xs:documentation>TEN</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="6">
        <xs:annotation>
          <xs:documentation>TEN-GE</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="7">
        <xs:annotation>
          <xs:documentation>TEN-CW</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="8">
        <xs:annotation>
          <xs:documentation>TEN RIV</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

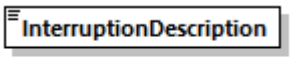
element **InterruptionDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	elements **InterruptionPoint/Interruption** **InterruptionInformation**
annotation	documentation Date and Time when the Train was interrupted

source	`<xs:element name="InterruptionDateTime" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Date and Time when the Train was interrupted</xs:documentation>`

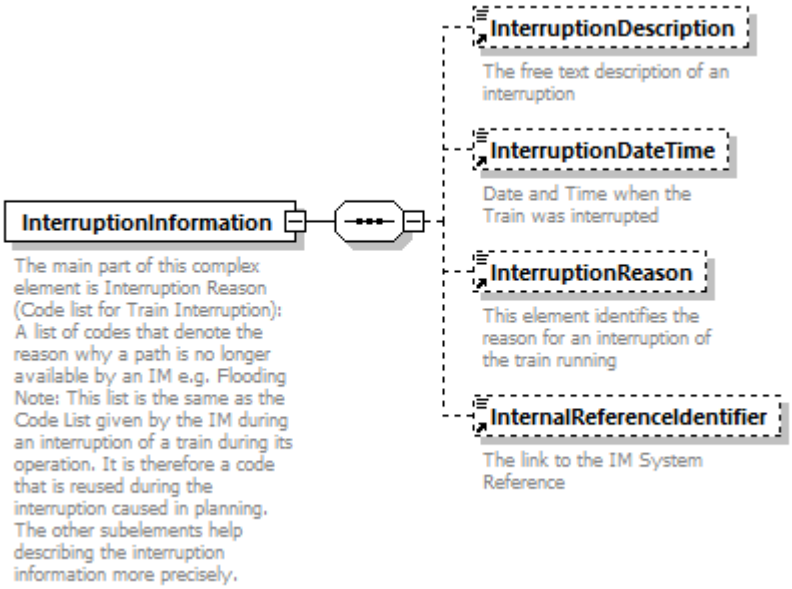
```
  </xs:annotation>
</xs:element>
```

element **InterruptionDescription**

diagram	 The free text description of an interruption
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
used by	elements **ChangeOfTrackMessage** **ExceptionReason** **InterruptionPoint/Interruption** **InterruptionInformation**
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation The free text description of an interruption

source	`<xs:element name="InterruptionDescription" type="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>The free text description of an interruption</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **InterruptionInformation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex

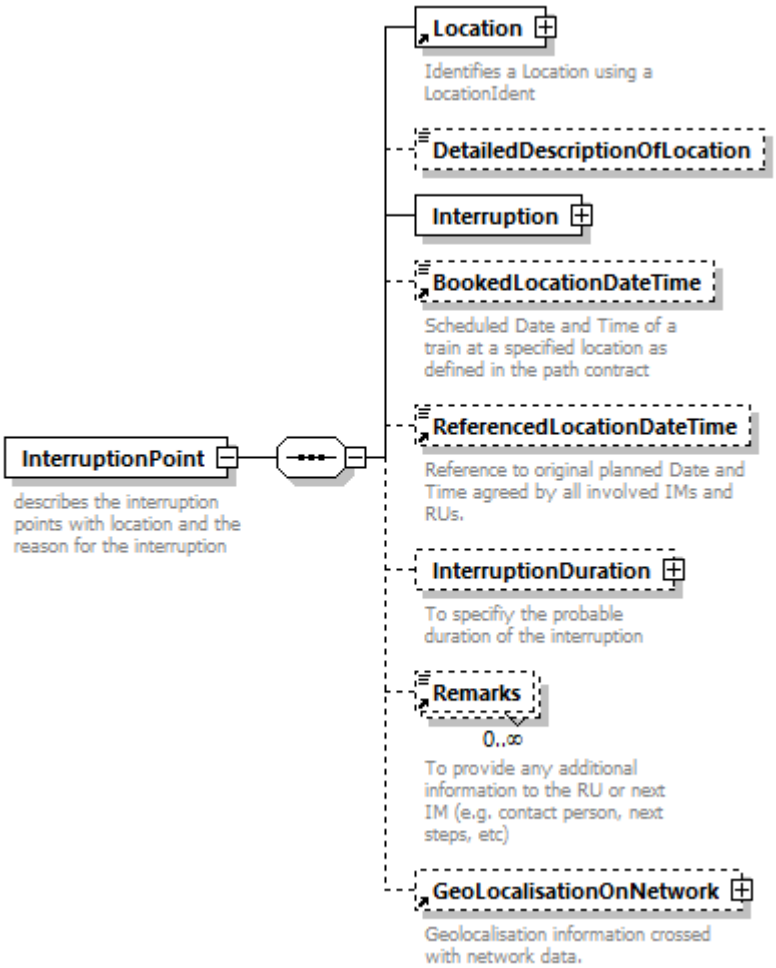
children	**InterruptionDescription** **InterruptionDateTime** **InterruptionReason** **InternalReferenceIdentifier**
used by	elements **PathNotAvailableMessage** **PathSectionNotificationMessage**
annotation	documentation The main part of this complex element is Interruption Reason (Code list for Train Interruption): A list of codes that denote the reason why a path is no longer available by an IM e.g. Flooding Note: This list is the same as the Code List given by the IM during an interruption of a train during its operation. It is therefore a code that is reused during the interruption caused in planning. The other subelements help describing the interruption information more precisely.

source

```
<xs:element name="InterruptionInformation">
  <xs:annotation>
    <xs:documentation>The main part of this complex element is Interruption Reason
(Code list for Train Interruption):
A list of codes that denote the reason why a path is no longer available by an IM
e.g. Flooding
Note: This list is the same as the Code List given by the IM during an interruption
of a train during its operation. It is therefore a code that is reused during the
interruption caused in planning.
The other subelements help describing the interruption information more
precisely.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="InterruptionDescription" minOccurs="0"/>
      <xs:element ref="InterruptionDateTime" minOccurs="0"/>
      <xs:element ref="InterruptionReason" minOccurs="0"/>
      <xs:element ref="InternalReferenceIdentifier" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **InterruptionPoint**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Location** **DetailedDescriptionOfLocation** **Interruption** **BookedLocationDateTime** **ReferencedLocationDateTime** **InterruptionDuration** **Remarks** **GeoLocalisationOnNetwork**
used by	element **TrainRunningInterruptionMessage**
annotation	documentation describes the interruption points with location and the reason for the interruption

source

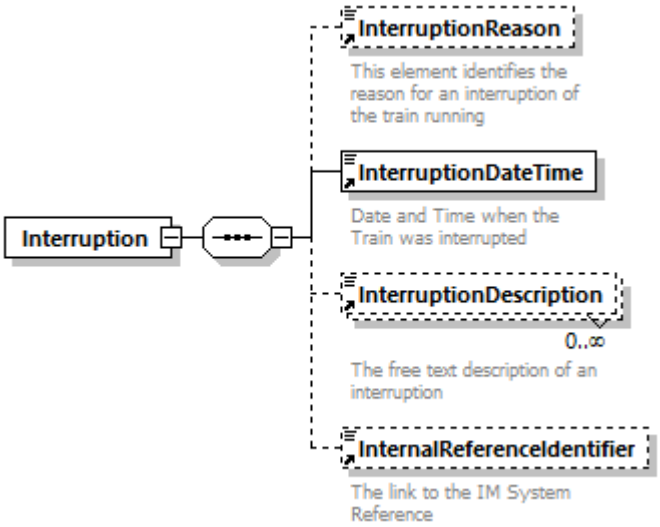
```
<xs:element name="InterruptionPoint">
  <xs:annotation>
    <xs:documentation>describes the interruption points with location and the reason for the interruption</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Location"/>
      <xs:element name="DetailedDescriptionOfLocation" type="FreeText" minOccurs="0"/>
      <xs:element name="Interruption">
        <xs:complexType>
```

```
          <xs:sequence>
            <xs:element ref="InterruptionReason" minOccurs="0"/>
            <xs:element ref="InterruptionDateTime"/>
            <xs:element ref="InterruptionDescription" minOccurs="0"
maxOccurs="unbounded"/>
            <xs:element ref="InternalReferenceIdentifier" minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element ref="BookedLocationDateTime" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Scheduled Date and Time of a train at a specified
location as defined in the path contract</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="ReferencedLocationDateTime" minOccurs="0"/>
      <xs:element name="InterruptionDuration" minOccurs="0">
        <xs:annotation>
          <xs:documentation>To specifiy the probable duration of the
interruption</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="EarliestEndDateTime" type="xs:dateTime"
minOccurs="0">
              <xs:annotation>
                <xs:documentation>Forecasted earliest time for end of
interruption</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="LatestEndDateTime" type="xs:dateTime"
minOccurs="0">
              <xs:annotation>
                <xs:documentation>Forecasted latest time for end of
interruption</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element ref="Remarks" minOccurs="0" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>To provide any additional information to the RU or next
IM (e.g. contact person, next steps, etc)</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="GeoLocalisationOnNetwork" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **InterruptionPoint/DetailedDescriptionOfLocation**

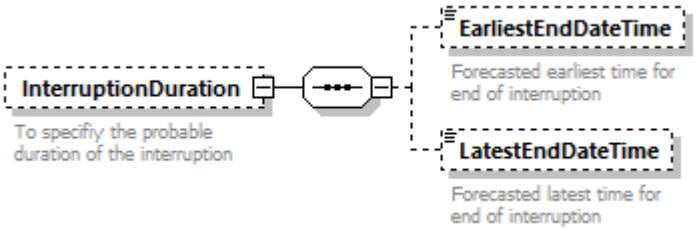
diagram	DetailedDescriptionOfLocation
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 255
source	`<xs:element name="DetailedDescriptionOfLocation" type="FreeText" minOccurs="0"/>`

element **InterruptionPoint/Interruption**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**InterruptionReason** **InterruptionDateTime** **InterruptionDescription** **InternalReferenceIdentifier**

source	`<xs:element name="Interruption">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="InterruptionReason" minOccurs="0"/>`
	`  <xs:element ref="InterruptionDateTime"/>`
	`  <xs:element ref="InterruptionDescription" minOccurs="0" maxOccurs="unbounded"/>`
	`  <xs:element ref="InternalReferenceIdentifier" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

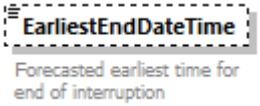
element **InterruptionPoint/InterruptionDuration**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**EarliestEndDateTime** **LatestEndDateTime**
annotation	documentation To specifiy the probable duration of the interruption

source

```
<xs:element name="InterruptionDuration" minOccurs="0">
  <xs:annotation>
    <xs:documentation>To specifiy the probable duration of the
interruption</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="EarliestEndDateTime" type="xs:dateTime" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Forecasted earliest time for end of
interruption</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="LatestEndDateTime" type="xs:dateTime" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Forecasted latest time for end of
interruption</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

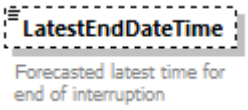
element **InterruptionPoint/InterruptionDuration/EarliestEndDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	minOcc 0 maxOcc 1 content simple

annotation	documentation Forecasted earliest time for end of interruption

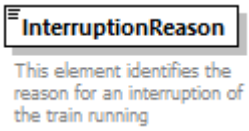
source	`<xs:element name="EarliestEndDateTime" type="xs:dateTime" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Forecasted earliest time for end of interruption</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **InterruptionPoint/InterruptionDuration/LatestEndDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Forecasted latest time for end of interruption

source	`<xs:element name="LatestEndDateTime" type="xs:dateTime" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Forecasted latest time for end of interruption</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **InterruptionReason**

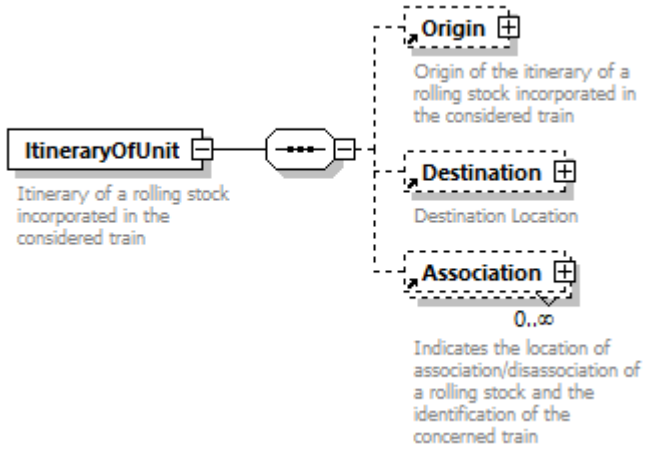
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**DelayCode**
properties	content simple
used by	elements **ChangeOfTrackMessage** **InterruptionPoint/Interruption** **InterruptionInformation**
facets	Kind / Value / Annotation enumeration 11 documentation Formation of trains if managed by infrastructure manager enumeration 10 documentation Timetable compilation enumeration 12 documentation Mistakes in operational procedures enumeration 13 documentation Wrong application of priority rules

	enumeration	14	
	enumeration	18	documentation Staff
	enumeration	19	documentation Other causes related to the operational planning and management
	enumeration	20	documentation Signalling installations
	enumeration	21	documentation Signalling installations at level crossings
	enumeration	22	documentation Telecommunication installations
	enumeration	23	documentation Power supply equipment
	enumeration	24	documentation Track
	enumeration	25	documentation Structures
	enumeration	28	documentation Staff
	enumeration	29	documentation Other causes related to infrastructure installations
	enumeration	31	documentation Irregularities in execution of construction work
	enumeration	30	documentation Planned construction work
	enumeration	32	documentation Speed restrictions due to defective track
	enumeration	39	documentation Other causes related to Civil engineering
	enumeration	40	documentation Delay caused by next IM
	enumeration	41	documentation Delay caused by previous IM
	enumeration	50	documentation exceeding the stop time
	enumeration	51	documentation Request of the RU
	enumeration	52	documentation Loading operations
	enumeration	53	documentation Loading irregularities
	enumeration	54	documentation Commercial preparation of the train
	enumeration	58	documentation Staff
	enumeration	59	documentation Other causes related to commercial causes
	enumeration	60	documentation Roster planning/re-rostering
	enumeration	61	documentation Formation of trains by the RU
	enumeration	62	documentation Problems affecting coaches
	enumeration	63	documentation Problems affecting wagons
	enumeration	64	documentation Problems affecting traction units
	enumeration	68	documentation Staff
	enumeration	69	documentation

			Other causes related to Rolling Stock
	enumeration	70	documentation Delay caused by next RU
	enumeration	71	documentation Delay caused by previous RU
	enumeration	80	documentation Strike
	enumeration	81	documentation Administrative formalites
	enumeration	82	documentation Outside influence
	enumeration	83	documentation Effects of weather and natural causes
	enumeration	84	documentation Delay caused by external reasons on the next network
	enumeration	89	documentation Other external causes
	enumeration	90	documentation Dangerous incidents, accidents and hazards
	enumeration	91	documentation Track occupation caused by the lateness of the same train
	enumeration	92	documentation Track occupation caused by the lateness of another train
	enumeration	93	documentation Turn round
	enumeration	94	documentation Connection
	enumeration	95	documentation Further investigation needed
annotation	documentation This element identifies the reason for an interruption of the train running		

source	`<xs:element name="InterruptionReason" type="DelayCode">`
	`  <xs:annotation>`
	`  <xs:documentation>This element identifies the reason for an interruption of the train running</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`		

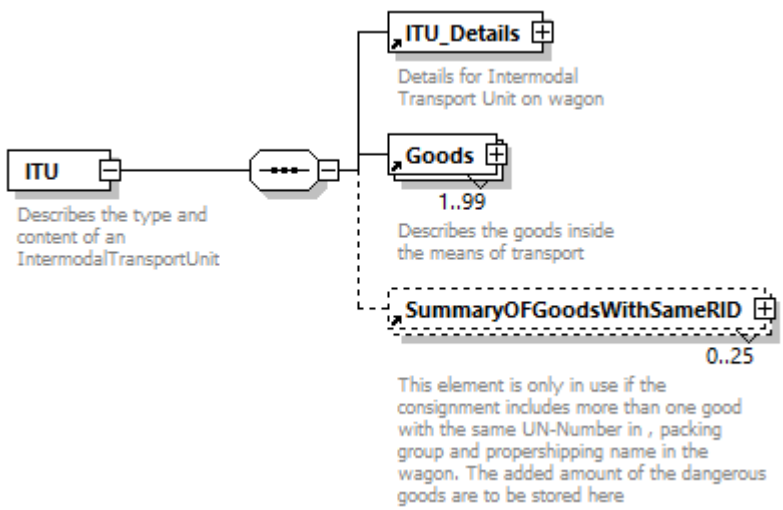
element **ItineraryOfUnit**

diagram	

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Origin** **Destination** **Association**
used by	element **UnitData**
annotation	documentation Itinerary of a rolling stock incorporated in the considered train

source	`<xs:element name="ItineraryOfUnit">`
	`  <xs:annotation>`
	`  <xs:documentation>Itinerary of a rolling stock incorporated in the considered train</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Origin" minOccurs="0"/>`
	`  <xs:element ref="Destination" minOccurs="0"/>`
	`  <xs:element ref="Association" minOccurs="0" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **ITU**

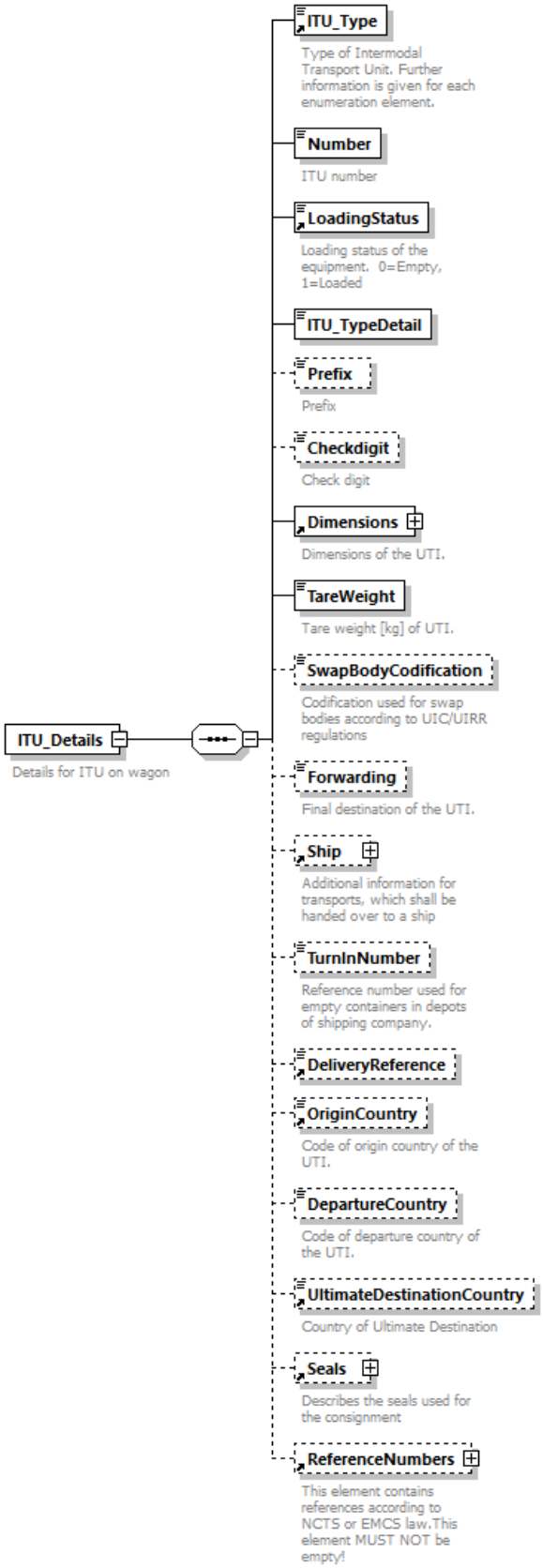
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**ITU_Details** **Goods** **SummaryOFGoodsWithSameRID**
annotation	documentation Describes the type and content of an IntermodalTransportUnit

source	`<xs:element name="ITU">`
	`  <xs:annotation>`
	`  <xs:documentation>Describes the type and content of an IntermodalTransportUnit</xs:documentation>`
	`  </xs:annotation>`

```
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="ITU_Details">
        <xs:annotation>
          <xs:documentation>Details for Intermodal Transport Unit on
wagon</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="Goods" maxOccurs="99"/>
      <xs:element ref="SummaryOFGoodsWithSameRID" minOccurs="0" maxOccurs="25"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ITU_Details**

diagram


ITU_Details
Details for ITU on wagon
ITU_Type
Type of Intermodal Transport Unit. Further information is given for each enumeration element.
Number
ITU number
LoadingStatus
Loading status of the equipment. 0=Empty, 1=Loaded
ITU_TypeDetail
Prefix
Prefix
Checkdigit
Check digit
Dimensions
Dimensions of the UTI.
TareWeight
Tare weight [kg] of UTI.
SwapBodyCodification
Codification used for swap bodies according to UIC/UIRR regulations
Forwarding
Final destination of the UTI.
Ship
Additional information for transports, which shall be handed over to a ship
TurnInNumber
Reference number used for empty containers in depots of shipping company.
DeliveryReference
OriginCountry
Code of origin country of the UTI.
DepartureCountry
Code of departure country of the UTI.
UltimateDestinationCountry
Country of Ultimate Destination
Seals
Describes the seals used for the consignment
ReferenceNumbers
This element contains references according to NCTS or EMCS law.This element MUST NOT be empty!

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**ITU_Type** **Number** **LoadingStatus** **ITU_TypeDetail** **Prefix** **Checkdigit** **Dimensions** **TareWeight** **SwapBodyCodification** **Forwarding** **Ship** **TurnInNumber** **DeliveryReference** **OriginCountry** **DepartureCountry** **UltimateDestinationCountry** **Seals** **ReferenceNumbers**
used by	element **ITU**
annotation	documentation Details for ITU on wagon

source

```
<xs:element name="ITU_Details">
  <xs:annotation>
    <xs:documentation>Details for ITU on wagon</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="ITU_Type">
        <xs:annotation>
          <xs:documentation>Type of Intermodal Transport Unit. Further information
is given for each enumeration element.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="Number">
        <xs:annotation>
          <xs:documentation>ITU number</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="EquipmentNumberType"/>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="LoadingStatus"/>
      <xs:element name="ITU_TypeDetail">
        <xs:simpleType>
          <xs:restriction base="xs:token">
            <xs:enumeration value="BX"/>
            <xs:enumeration value="BK"/>
            <xs:enumeration value="FL"/>
            <xs:enumeration value="HT"/>
            <xs:enumeration value="HC"/>
            <xs:enumeration value="IN"/>
            <xs:enumeration value="OT"/>
            <xs:enumeration value="HH"/>
            <xs:enumeration value="PW"/>
            <xs:enumeration value="OS"/>
            <xs:enumeration value="RF"/>
            <xs:enumeration value="SD"/>
            <xs:enumeration value="SL"/>
            <xs:enumeration value="VE"/>
            <xs:enumeration value="TC"/>
            <xs:enumeration value="RH"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="Prefix" minOccurs="0">
```

```
          <xs:annotation>
            <xs:documentation>Prefix</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:minLength value="1"/>
              <xs:maxLength value="5"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <xs:element name="Checkdigit" minOccurs="0">
          <xs:annotation>
            <xs:documentation>Check digit</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:int">
              <xs:totalDigits value="1"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <xs:element ref="Dimensions"/>
        <xs:element name="TareWeight" type="WeightValueKilo">
          <xs:annotation>
            <xs:documentation>Tare weight [kg] of UTI.</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="SwapBodyCodification" minOccurs="0">
          <xs:annotation>
            <xs:documentation>Codification used for swap bodies according to UIC/UIRR
regulations </xs:documentation>
            <xs:documentation>CODE:</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:minLength value="3"/>
              <xs:maxLength value="4"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <xs:element name="Forwarding" minOccurs="0">
          <xs:annotation>
            <xs:documentation>Final destination of the UTI.</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:maxLength value="80"/>
              <xs:minLength value="1"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <xs:element ref="Ship" minOccurs="0">
          <xs:annotation/>
        </xs:element>
        <xs:element name="TurnInNumber" minOccurs="0">
          <xs:annotation>
```

```
          <xs:documentation>Reference number used for empty containers in depots of
shipping company.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="30"/>
            <xs:minLength value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="DeliveryReference" minOccurs="0"/>
      <xs:element ref="OriginCountry" minOccurs="0"/>
      <xs:element name="DepartureCountry" type="CountryIdentISO" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Code of departure country of the
UTI.</xs:documentation>
          <xs:documentation>CODE: ISO-3166-2</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="UltimateDestinationCountry" minOccurs="0"/>
      <xs:element ref="Seals" minOccurs="0"/>
      <xs:element ref="ReferenceNumbers" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ITU_Details/Number**

diagram	Number ITU number
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **EquipmentNumberType**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 13
annotation	documentation ITU number

source

```
<xs:element name="Number">
  <xs:annotation>
    <xs:documentation>ITU number</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="EquipmentNumberType"/>
  </xs:simpleType>
</xs:element>
```

element **ITU_Details/ITU_TypeDetail**

diagram	ITU_TypeDetail
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
facets	Kind / Value / Annotation enumeration BX enumeration BK enumeration FL enumeration HT enumeration HC enumeration IN enumeration OT enumeration HH enumeration PW enumeration OS enumeration RF enumeration SD enumeration SL enumeration VE enumeration TC enumeration RH

source

```
<xs:element name="ITU_TypeDetail">
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="BX"/>
      <xs:enumeration value="BK"/>
      <xs:enumeration value="FL"/>
      <xs:enumeration value="HT"/>
      <xs:enumeration value="HC"/>
      <xs:enumeration value="IN"/>
      <xs:enumeration value="OT"/>
      <xs:enumeration value="HH"/>
      <xs:enumeration value="PW"/>
      <xs:enumeration value="OS"/>
      <xs:enumeration value="RF"/>
      <xs:enumeration value="SD"/>
      <xs:enumeration value="SL"/>
      <xs:enumeration value="VE"/>
      <xs:enumeration value="TC"/>
      <xs:enumeration value="RH"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ITU_Details/Prefix**

diagram	Prefix Prefix
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 5
annotation	documentation Prefix

source	`<xs:element name="Prefix" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Prefix</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="5"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ITU_Details/Checkdigit**

diagram	Checkdigit Check digit
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation totalDigits 1
annotation	documentation Check digit

source	`<xs:element name="Checkdigit" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Check digit</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:int">`
	`  <xs:totalDigits value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`

	`</xs:element>`

element **ITU_Details/TareWeight**

diagram	**TareWeight** Tare weight [kg] of UTI.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**WeightValueKilo**
properties	content simple
facets	Kind Value Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse
annotation	documentation Tare weight [kg] of UTI.

source	`<xs:element name="TareWeight" type="WeightValueKilo">`
	`  <xs:annotation>`
	`  <xs:documentation>Tare weight [kg] of UTI.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ITU_Details/SwapBodyCodification**

diagram	**SwapBodyCodification** Codification used for swap bodies according to UIC/UIRR regulations
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 3 maxLength 4
annotation	documentation Codification used for swap bodies according to UIC/UIRR regulations documentation CODE:

source	`<xs:element name="SwapBodyCodification" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Codification used for swap bodies according to UIC/UIRR regulations </xs:documentation>`
	`  <xs:documentation>CODE:</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`

```
    <xs:restriction base="xs:string">
      <xs:minLength value="3"/>
      <xs:maxLength value="4"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ITU_Details/Forwarding**

diagram	Forwarding Final destination of the UTI.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 80
annotation	documentation Final destination of the UTI.

source

```
<xs:element name="Forwarding" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Final destination of the UTI.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="80"/>
      <xs:minLength value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ITU_Details/TurnInNumber**

diagram	TurnInNumber Reference number used for empty containers in depots of shipping company.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 30

annotation	documentation Reference number used for empty containers in depots of shipping company.
source	<xs:element name="TurnInNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Reference number used for empty containers in depots of shipping company.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="30"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ITU_Details/DepartureCountry**

diagram	DepartureCountry Code of departure country of the UTI.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CountryIdentISO**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation Code of departure country of the UTI. documentation CODE: ISO-3166-2
source	<xs:element name="DepartureCountry" type="CountryIdentISO" minOccurs="0">\ <xs:annotation> <xs:documentation>Code of departure country of the UTI.</xs:documentation> <xs:documentation>CODE: ISO-3166-2</xs:documentation> </xs:annotation> </xs:element>

element **ITU_Type**

diagram	ITU_Type Type of ITU. Further information is given for each enumeration element.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **EquipmentTypeType**

properties	content simple
used by	element **ITU_Details**
facets	Kind / Value / Annotation enumeration cn — documentation: Container enumeration sw — documentation: swap body enumeration te — documentation: Trailer (RollingRoad)
annotation	documentation Type of ITU. Further information is given for each enumeration element.

source	`<xs:element name="ITU_Type">`
	`  <xs:annotation>`
	`  <xs:documentation>Type of ITU. Further information is given for each enumeration element.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="EquipmentTypeType"/>`
	`  </xs:simpleType>`
	`</xs:element>`

element **JourneyLocationTypeCode**

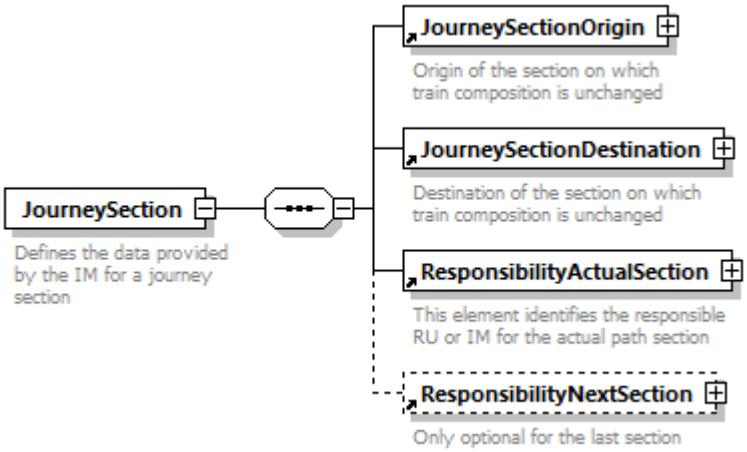
diagram	JourneyLocationTypeCode
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **PlannedJourneyLocation**
facets	Kind / Value / Annotation enumeration 01 — documentation: Origin enumeration 02 — documentation: Intermediate enumeration 03 — documentation: Destination enumeration 04 — documentation: Handover enumeration 05 — documentation: Interchange enumeration 06 — documentation: Handover and Interchange enumeration 07 — documentation: State Border enumeration 08 — documentation: None enumeration 09 — documentation: Network border enumeration 99 — documentation: Mutually Defined
source	`<xs:element name="JourneyLocationTypeCode">`

```
<xs:annotation>
  <xs:documentation/>
</xs:annotation>
<xs:simpleType>
  <xs:restriction base="xs:token">
    <xs:enumeration value="01">
      <xs:annotation>
        <xs:documentation>Origin</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="02">
      <xs:annotation>
        <xs:documentation>Intermediate</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="03">
      <xs:annotation>
        <xs:documentation>Destination</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="04">
      <xs:annotation>
        <xs:documentation>Handover</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="05">
      <xs:annotation>
        <xs:documentation>Interchange</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="06">
      <xs:annotation>
        <xs:documentation>Handover and Interchange</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="07">
      <xs:annotation>
        <xs:documentation>State Border</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="08">
      <xs:annotation>
        <xs:documentation>None</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="09">
      <xs:annotation>
        <xs:documentation>Network border</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="99">
      <xs:annotation>
        <xs:documentation>Mutually Defined</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
```

```
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **JourneySection**

diagram

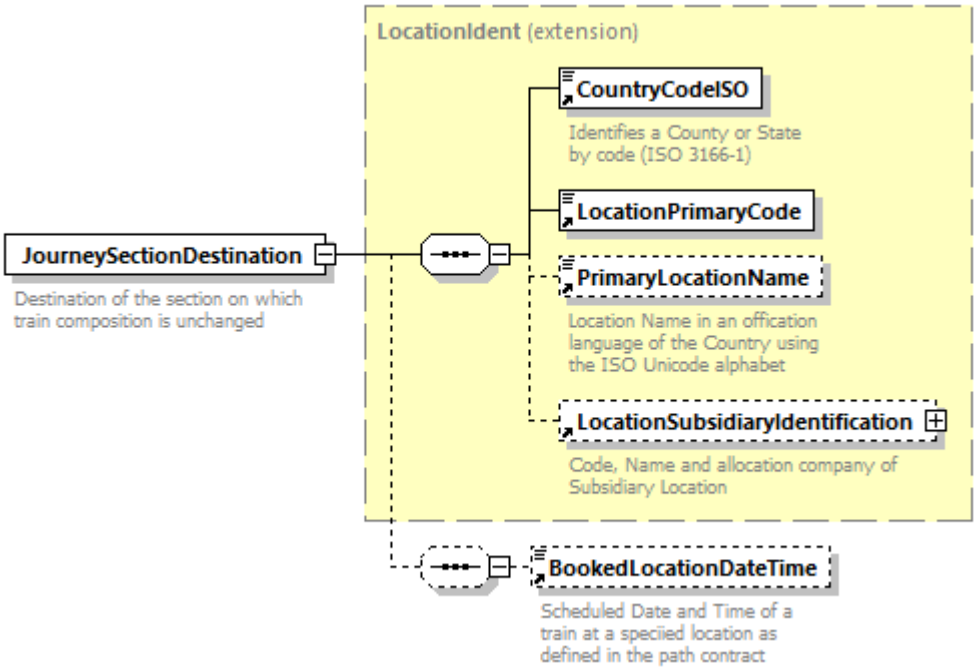


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	JourneySectionOrigin JourneySectionDestination ResponsibilityActualSection ResponsibilityNextSection
used by	element TrainCompositionJourneySection
annotation	documentation Defines the data provided by the IM for a journey section

source

```
<xs:element name="JourneySection">
  <xs:annotation>
    <xs:documentation>Defines the data provided by the IM for a journey
section</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="JourneySectionOrigin"/>
      <xs:element ref="JourneySectionDestination"/>
      <xs:element ref="ResponsibilityActualSection"/>
      <xs:element ref="ResponsibilityNextSection" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Only optional for the last section</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

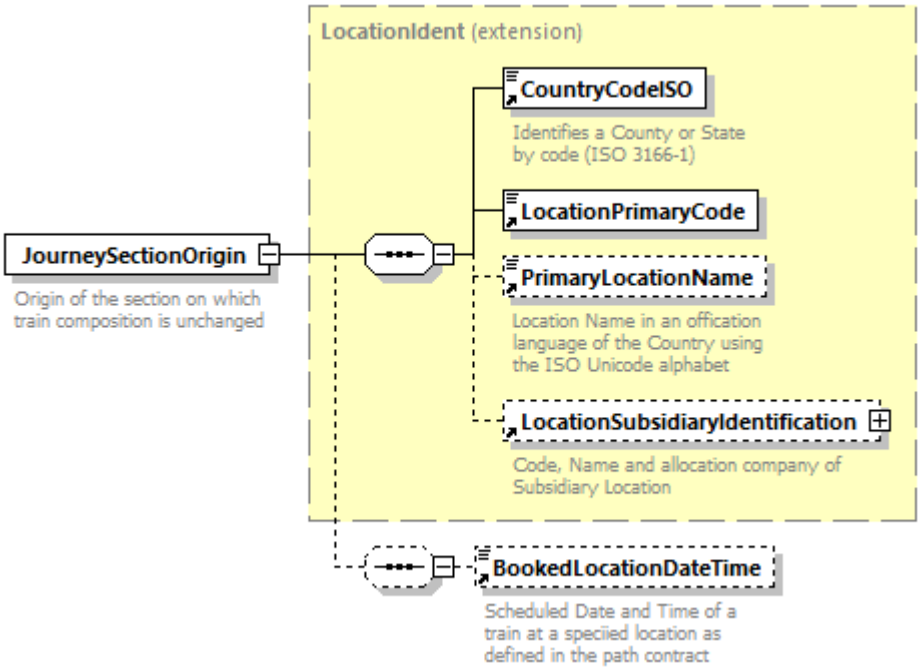
element **JourneySectionDestination**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification** **BookedLocationDateTime**
used by	elements **JourneySection** **PassengerJourneySection**
annotation	documentation Destination of the section on which train composition is unchanged

source

```
<xs:element name="JourneySectionDestination">
  <xs:annotation>
    <xs:documentation>Destination of the section on which train composition is
unchanged</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="LocationIdent">
        <xs:sequence minOccurs="0">
          <xs:element ref="BookedLocationDateTime" minOccurs="0"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
```

element **JourneySectionOrigin**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification** **BookedLocationDateTime**
used by	elements **JourneySection** **PassengerJourneySectionOrigin** **PassengerJourneySection/PassengerJourneySectionOrigin**
annotation	documentation Origin of the section on which train composition is unchanged

source

```
<xs:element name="JourneySectionOrigin">
  <xs:annotation>
    <xs:documentation>Origin of the section on which train composition is
unchanged</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="LocationIdent">
        <xs:sequence minOccurs="0">
          <xs:element ref="BookedLocationDateTime" minOccurs="0"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
```

element **Keeper**

diagram	**Keeper** The person, who being the owner or having the right to dispose of it, exploits a vehicle economically in a permanent manner as a means of transport and is registered as such in the Rolling Stock Register.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
used by	element **TrainOrCoachGroupComposition/Unit**
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation The person, who being the owner or having the right to dispose of it, exploits a vehicle economically in a permanent manner as a means of transport and is registered as such in the Rolling Stock Register.

source	`<xs:element name="Keeper" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>The person, who being the owner or having the right to dispose of it, exploits a vehicle economically in a permanent manner as a means of transport and is registered as such in the Rolling Stock Register.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **KeeperShortNameVKM**

diagram	**KeeperShortNameVKM** Free text, short name/vehicle keeper marking of the wagon keeper
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	elements **RollingStockDataset/AdministrativeDataSet** **RollingStockDatasetMessage/RefusedWagonNumbers**
facets	Kind Value Annotation maxLength 10
annotation	documentation Free text, short name/vehicle keeper marking of the wagon keeper

source	`<xs:element name="KeeperShortNameVKM">`
	`  <xs:annotation>`
	`  <xs:documentation>Free text, short name/vehicle keeper marking of the wagon keeper</xs:documentation>`

```
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="10"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **LastModifiedDateTime**

diagram	LastModifiedDateTime Date and Time of last update or modification of data
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
annotation	documentation Date and Time of last update or modification of data

source	`<xs:element name="LastModifiedDateTime" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Date and Time of last update or modification of data</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **Latitude**

diagram	Latitude Latitudinal Coordinates as expressed in decimal degrees with a precision of 6 decimals.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:float**
properties	content simple
used by	element **GeographicCoordinates**
annotation	documentation Latitudinal Coordinates as expressed in decimal degrees with a precision of 6 decimals.

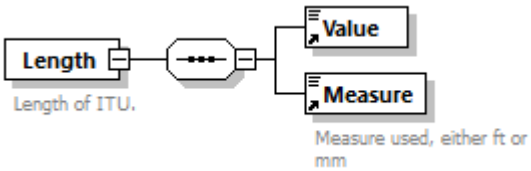
source	`<xs:element name="Latitude" type="xs:float">`
	`  <xs:annotation>`
	`  <xs:documentation>Latitudinal Coordinates as expressed in decimal degrees with a precision of 6 decimals.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **LeadRU**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
used by	elements **ObjectInfoMessage** **PathCanceledMessage** **PathConfirmedMessage** **PathCoordinationMessage** **PathDetailsMessage** **PathDetailsRefusedMessage** **PathNotAvailableMessage** **PathRequestMessage** **PathSectionNotificationMessage** complexType **CapacityModelType**
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Lead Railway Undertaking

source	`<xs:element name="LeadRU" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Lead Railway Undertaking</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

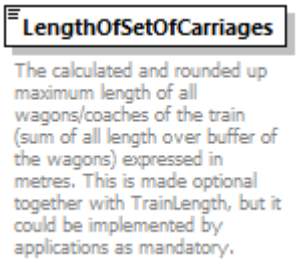
element **Length**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Value** **Measure**
used by	elements **Dimensions** **TractionDetails** complexType **DimensionValue**
annotation	documentation Length of ITU.

source	`<xs:element name="Length">`
	`  <xs:annotation>`
	`  <xs:documentation>Length of ITU.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Value"/>`
	`  <xs:element ref="Measure"/>`
	`  </xs:sequence>`

```
  </xs:complexType>
</xs:element>
```

element **LengthOfSetOfCarriages**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Numeric4-4**
properties	content simple
used by	element **PlannedTrainTechnicalData**
facets	Kind Value Annotation minInclusive 0001 maxInclusive 9999
annotation	documentation The calculated and rounded up maximum length of all wagons/coaches of the train (sum of all length over buffer of the wagons) expressed in metres. This is made optional together with TrainLength, but it could be implemented by applications as mandatory.

source	`<xs:element name="LengthOfSetOfCarriages" type="Numeric4-4">`
	`  <xs:annotation>`
	`  <xs:documentation>The calculated and rounded up maximum length of all wagons/coaches of the train (sum of all length over buffer of the wagons) expressed in metres. This is made optional together with TrainLength, but it could be implemented by applications as mandatory.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **LengthOverBuffers**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	elements **RollingStockDataset/DesignDataSet** **RollingStockTechnicalData** **UnitTechnicalData** **WagonTechData**
facets	Kind Value Annotation minInclusive 1 maxInclusive 999999

annotation	documentation Length over buffers is expressed in cm.
source	<xs:element name="LengthOverBuffers"> <xs:annotation> <xs:documentation>Length over buffers is expressed in cm.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="999999"/> </xs:restriction> </xs:simpleType> </xs:element>

element **LivestockOrPeopleIndicator**

diagram	**LivestockOrPeopleIndicator** Indicates that livestock and people (other than train crew) will be carried. Coding: if live animals or people are transported = 1, in opposite case = 0. If code = 1, then at the wagon level for at least one wagon Info- Goods Shape, Type and Danger has to include the code '98' or Restrictions due to Load or Damage has to include code '09.'
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	element **TrainCompositionJourneySection**
facets	Kind Value Annotation enumeration 0 enumeration 1
annotation	documentation Indicates that livestock and people (other than train crew) will be carried. Coding: if live animals or people are transported = 1, in opposite case = 0. If code = 1, then at the wagon level for at least one wagon Info- Goods Shape, Type and Danger has to include the code '98' or Restrictions due to Load or Damage has to include code '09.'
source	<xs:element name="LivestockOrPeopleIndicator"> <xs:annotation> <xs:documentation>Indicates that livestock and people (other than train crew) will be carried. Coding: if live animals or people are transported = 1, in opposite case = 0. If code = 1, then at the wagon level for at least one wagon Info- Goods Shape, Type and Danger has to include the code '98' or Restrictions due to Load or Damage has to include code '09.'</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> </xs:restriction> </xs:simpleType>

	`</xs:element>`

element **LoadArea**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:decimal**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind Value Annotation totalDigits 5 fractionDigits 1
annotation	documentation Payload Area - measured in M2

source	`<xs:element name="LoadArea">`
	`  <xs:annotation>`
	`  <xs:documentation>Payload Area - measured in M2</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:decimal">`
	`  <xs:totalDigits value="5"/>`
	`  <xs:fractionDigits value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

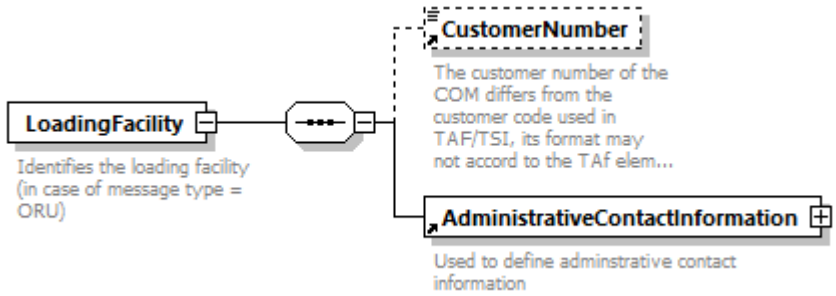
element **LoadingCapacity**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:decimal**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind Value Annotation totalDigits 5 fractionDigits 1
annotation	documentation Usable Cube - measured in M3
source	`<xs:element name="LoadingCapacity">` `  <xs:annotation>`

```
    <xs:documentation>Usable Cube - measured in M3</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:decimal">
      <xs:totalDigits value="5"/>
      <xs:fractionDigits value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **LoadingFacility**

diagram



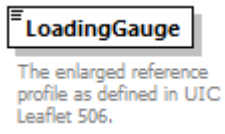
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**CustomerNumber** **AdministrativeContactInformation**
annotation	documentation Identifies the loading facility (in case of message type = ORU)

source

```
<xs:element name="LoadingFacility">
  <xs:annotation>
    <xs:documentation>Identifies the loading facility (in case of message type =
ORU)</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="CustomerNumber" minOccurs="0"/>
      <xs:element ref="AdministrativeContactInformation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **LoadingGauge**

diagram

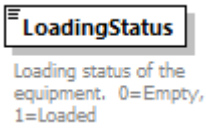


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**

properties	content simple
used by	element **RollingStockTechnicalData**
facets	Kind Value Annotation enumeration GA enumeration GB enumeration GB1 enumeration GC enumeration G
annotation	documentation The enlarged reference profile as defined in UIC Leaflet 506.

source	`<xs:element name="LoadingGauge">`
	`  <xs:annotation>`
	`  <xs:documentation>The enlarged reference profile as defined in UIC Leaflet 506.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:token">`
	`  <xs:enumeration value="GA"/>`
	`  <xs:enumeration value="GB"/>`
	`  <xs:enumeration value="GB1"/>`
	`  <xs:enumeration value="GC"/>`
	`  <xs:enumeration value="G"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **LoadingStatus**

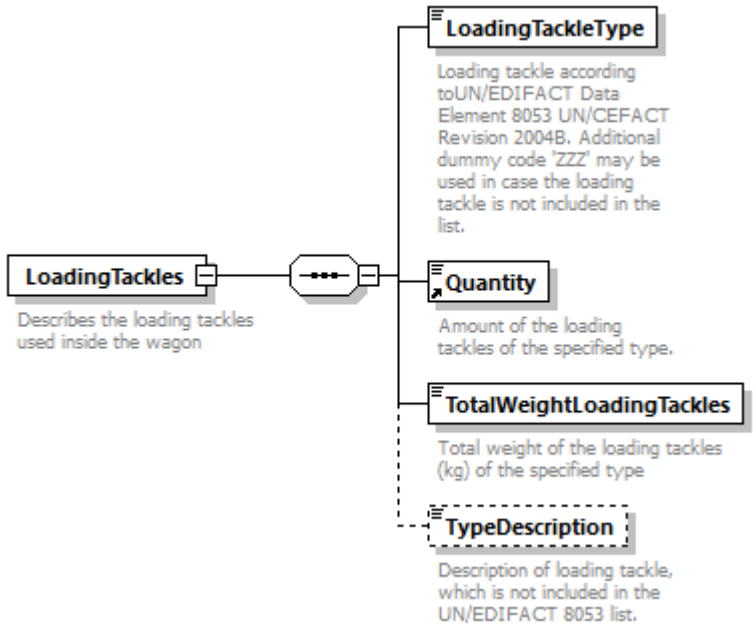
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	elements **ILU_Details** **ITU_Details** **RollingRoadUnit/RollingRoadUnitDetails** **Wagons/WagonDetails** **WagonInformation**
facets	Kind Value Annotation enumeration 0 enumeration 1
annotation	documentation Loading status of the equipment. 0=Empty, 1=Loaded

source	`<xs:element name="LoadingStatus">`
	`  <xs:annotation>`
	`  <xs:documentation>Loading status of the equipment. 0=Empty, 1=Loaded</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`

```
    <xs:restriction base="xs:integer">
      <xs:enumeration value="0"/>
      <xs:enumeration value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **LoadingTackles**

diagram



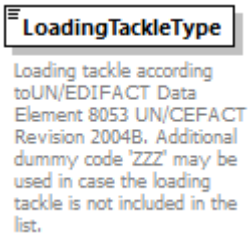
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**LoadingTackleType** **Quantity** **TotalWeightLoadingTackles** **TypeDescription**
used by	elements **ILU** **Wagons**
annotation	documentation Describes the loading tackles used inside the wagon

source

```
<xs:element name="LoadingTackles">
  <xs:annotation>
    <xs:documentation>Describes the loading tackles used inside the
wagon</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="LoadingTackleType">
        <xs:annotation>
          <xs:documentation>Loading tackle according toUN/EDIFACT Data Element 8053
UN/CEFACT Revision 2004B. Additional dummy code 'ZZZ' may be used in case the loading
tackle is not included in the list. </xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string"/>
```

```
        </xs:simpleType>
      </xs:element>
      <xs:element ref="Quantity"/>
      <xs:element name="TotalWeightLoadingTackles" type="WeightValueKilo">
        <xs:annotation>
          <xs:documentation>Total weight of the loading tackles (kg) of the
specified type</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="TypeDescription" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Description of loading tackle, which is not included in
the UN/EDIFACT 8053 list.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="35"/>
            <xs:minLength value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **LoadingTackles/LoadingTackleType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
annotation	documentation Loading tackle according toUN/EDIFACT Data Element 8053 UN/CEFACT Revision 2004B. Additional dummy code 'ZZZ' may be used in case the loading tackle is not included in the list.

source

```
<xs:element name="LoadingTackleType">
  <xs:annotation>
    <xs:documentation>Loading tackle according toUN/EDIFACT Data Element 8053
UN/CEFACT Revision 2004B. Additional dummy code 'ZZZ' may be used in case the loading
tackle is not included in the list. </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string"/>
  </xs:simpleType>
</xs:element>
```

element **LoadingTackles/TotalWeightLoadingTackles**

diagram	**TotalWeightLoadingTackles** Total weight of the loading tackles (kg) of the specified type
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**WeightValueKilo**
properties	content simple
facets	Kind Value Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse
annotation	documentation Total weight of the loading tackles (kg) of the specified type

source	`<xs:element name="TotalWeightLoadingTackles" type="WeightValueKilo">`
	`  <xs:annotation>`
	`  <xs:documentation>Total weight of the loading tackles (kg) of the specified type</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **LoadingTackles/TypeDescription**

diagram	**TypeDescription** Description of loading tackle, which is not included in the UN/EDIFACT 8053 list.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Description of loading tackle, which is not included in the UN/EDIFACT 8053 list.

source	`<xs:element name="TypeDescription" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Description of loading tackle, which is not included in the UN/EDIFACT 8053 list.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="35"/>`
	`  <xs:minLength value="1"/>`

```
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **LoadTableStars**

diagram	LoadTableStars Number of load table stars.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet/LoadTable**
facets	Kind / Value / Annotation totalDigits 1 enumeration 1 — documentation: Authorised to run in trains up to 100 km/h with a brake that does not meet all the requirements for S (100 km/h) conditions. enumeration 2 — documentation: Authorised to run in trains up to 120 km/h with a brake that does not meet all the requirements for SS (120 km/h) conditions. enumeration 3 — documentation: Authorised to run in trains up to 120 km/h with a brake that does not meet all the requirements for SS (120 km/h) conditions. The wagons must be fitted with an automatic load-proportional braking system.
annotation	documentation Number of load table stars.

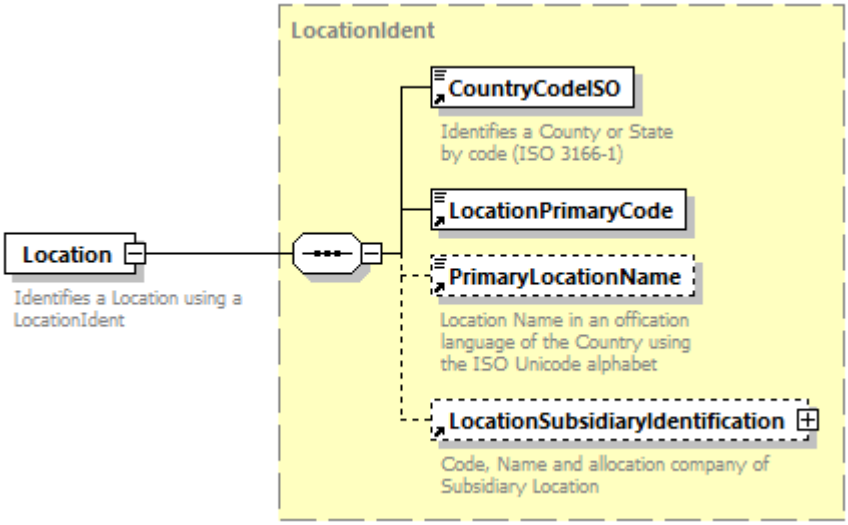
source

```
<xs:element name="LoadTableStars">
  <xs:annotation>
    <xs:documentation>Number of load table stars.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:totalDigits value="1"/>
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>Authorised to run in trains up to 100 km/h with a brake
that does not meet all the requirements for S (100 km/h)
conditions.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>Authorised to run in trains up to 120 km/h with a brake
that does not meet all the requirements for SS (120 km/h)
conditions.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="3">
        <xs:annotation>
          <xs:documentation>Authorised to run in trains up to 120 km/h with a brake
```

```
that does not meet all the requirements for SS (120 km/h) conditions. The wagons must be fitted with an automatic load-proportional braking system.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Location**

diagram

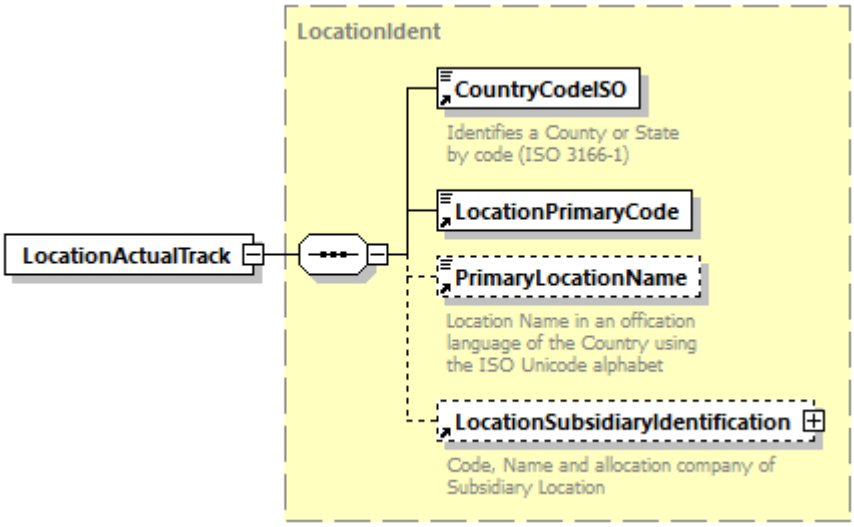


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	elements **AcceptanceInterchangePoint** **AffectedLocation** **ArrivalInterchangeReport** **ConsignmentOrderMessage/COMS/COM/CustomsProcedures** **DeliveryInterchangePoint** **DepartureInterchangeReport** **ExceptionPoint** **InterruptionPoint** **LocationModified** **LocationOfRestrictionDetection** **CapacityModelSearchCriteria/LocationSearch** **ProductionStation** **RefusalAtInterchange** **SpecialTreatments** **TrainForecastAtReportingLocationMessage** **TrainLocationReport** **WagonAtDeparture** **WagonEventInformation** **WagonPickupAtOrigin**
annotation	documentation Identifies a Location using a LocationIdent

source

```
<xs:element name="Location" type="LocationIdent">
  <xs:annotation>
    <xs:documentation>Identifies a Location using a LocationIdent</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **LocationActualTrack**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	element **ChangeOfTrackMessage**
source	`<xs:element name="LocationActualTrack" type="LocationIdent"/>`

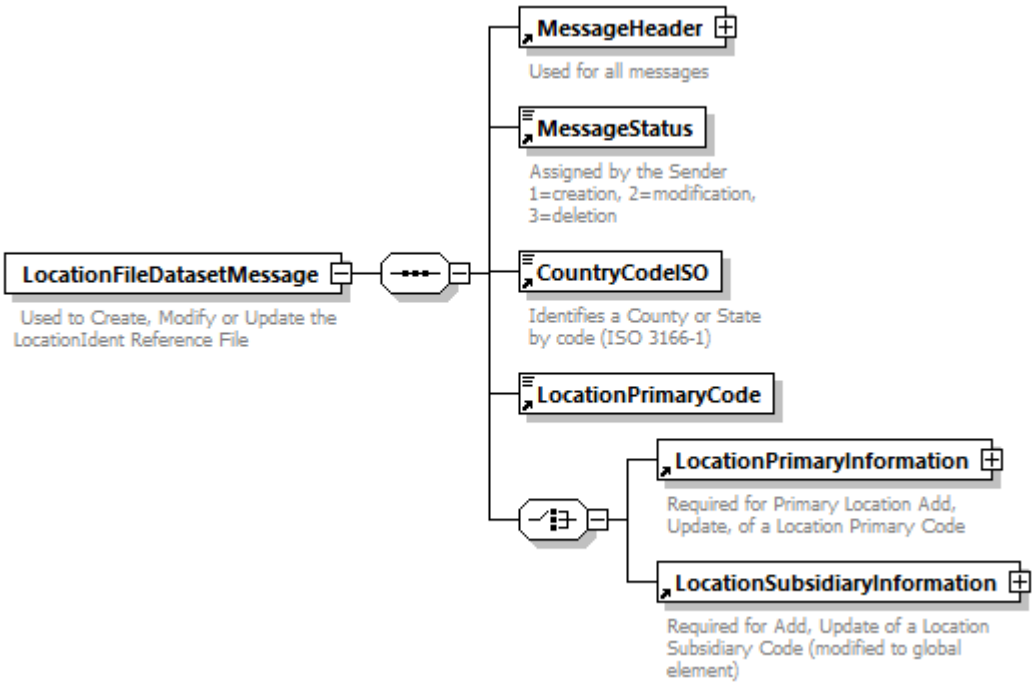
element **LocationDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	elements **AffectedLocation** **RunningStatusReportMessage** **TrainAtLocation** **TrainLocationReport**
annotation	documentation Identifies the actual or forecasted Date / Time at a specific reporting point

source	`<xs:element name="LocationDateTime" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the actual or forecasted Date / Time at a specific reporting  point</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **LocationFileDatasetMessage**

diagram

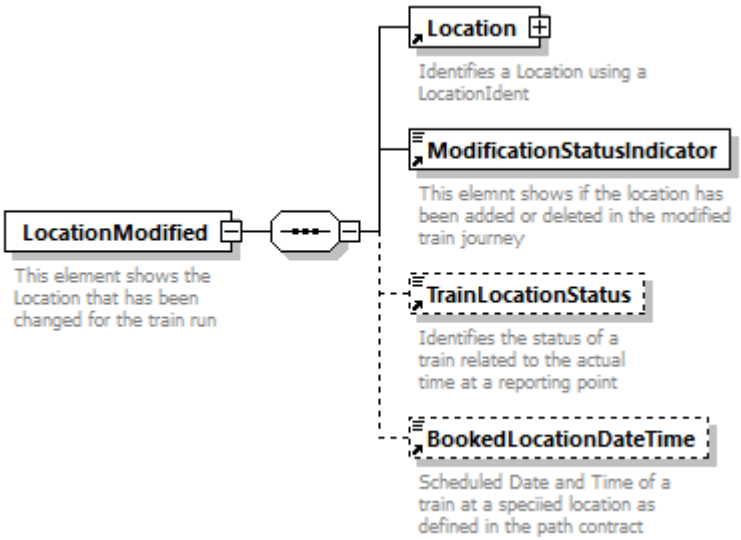


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **MessageStatus** **CountryCodeISO** **LocationPrimaryCode** **LocationPrimaryInformation** **LocationSubsidiaryInformation**
annotation	documentation Used to Create, Modify or Update the LocationIdent Reference File

source

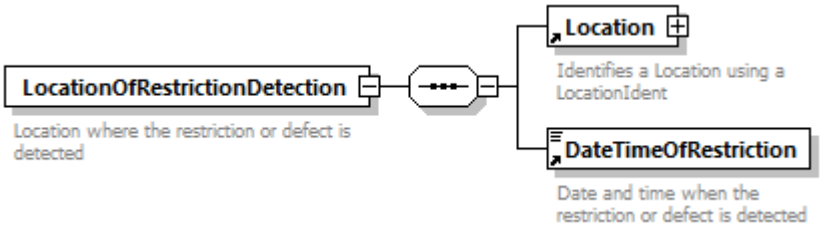
```
<xs:element name="LocationFileDatasetMessage">
  <xs:annotation>
    <xs:documentation> Used to Create, Modify or Update the LocationIdent Reference File</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="MessageStatus"/>
      <xs:element ref="CountryCodeISO"/>
      <xs:element ref="LocationPrimaryCode"/>
      <xs:choice>
        <xs:element ref="LocationPrimaryInformation"/>
        <xs:element ref="LocationSubsidiaryInformation"/>
      </xs:choice>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **LocationModified**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Location** **ModificationStatusIndicator** **TrainLocationStatus** **BookedLocationDateTime**
used by	element **TrainJourneyModification**
annotation	documentation This element shows the Location that has been changed for the train run

source	`<xs:element name="LocationModified">`
	`  <xs:annotation>`
	`  <xs:documentation>This element shows the Location that has been changed for the train run </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Location"/>`
	`  <xs:element ref="ModificationStatusIndicator"/>`
	`  <xs:element ref="TrainLocationStatus" minOccurs="0"/>`
	`  <xs:element ref="BookedLocationDateTime" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

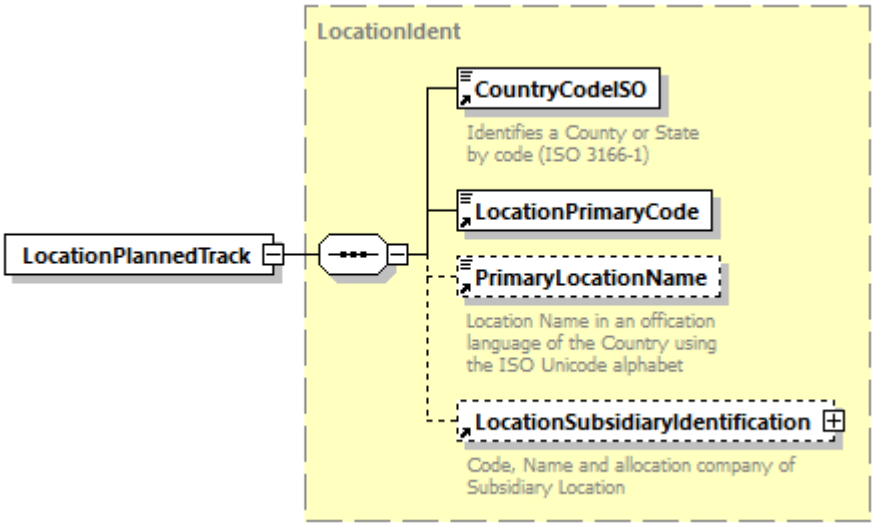
element **LocationOfRestrictionDetection**

diagram	

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Location** **DateTimeOfRestriction**
used by	element **RollingStockRestrictionMessage**
annotation	documentation Location where the restriction or defect is detected

source	`<xs:element name="LocationOfRestrictionDetection">`
	`  <xs:annotation>`
	`  <xs:documentation>Location where the restriction or defect is detected</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Location"/>`
	`  <xs:element ref="DateTimeOfRestriction"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **LocationPlannedTrack**

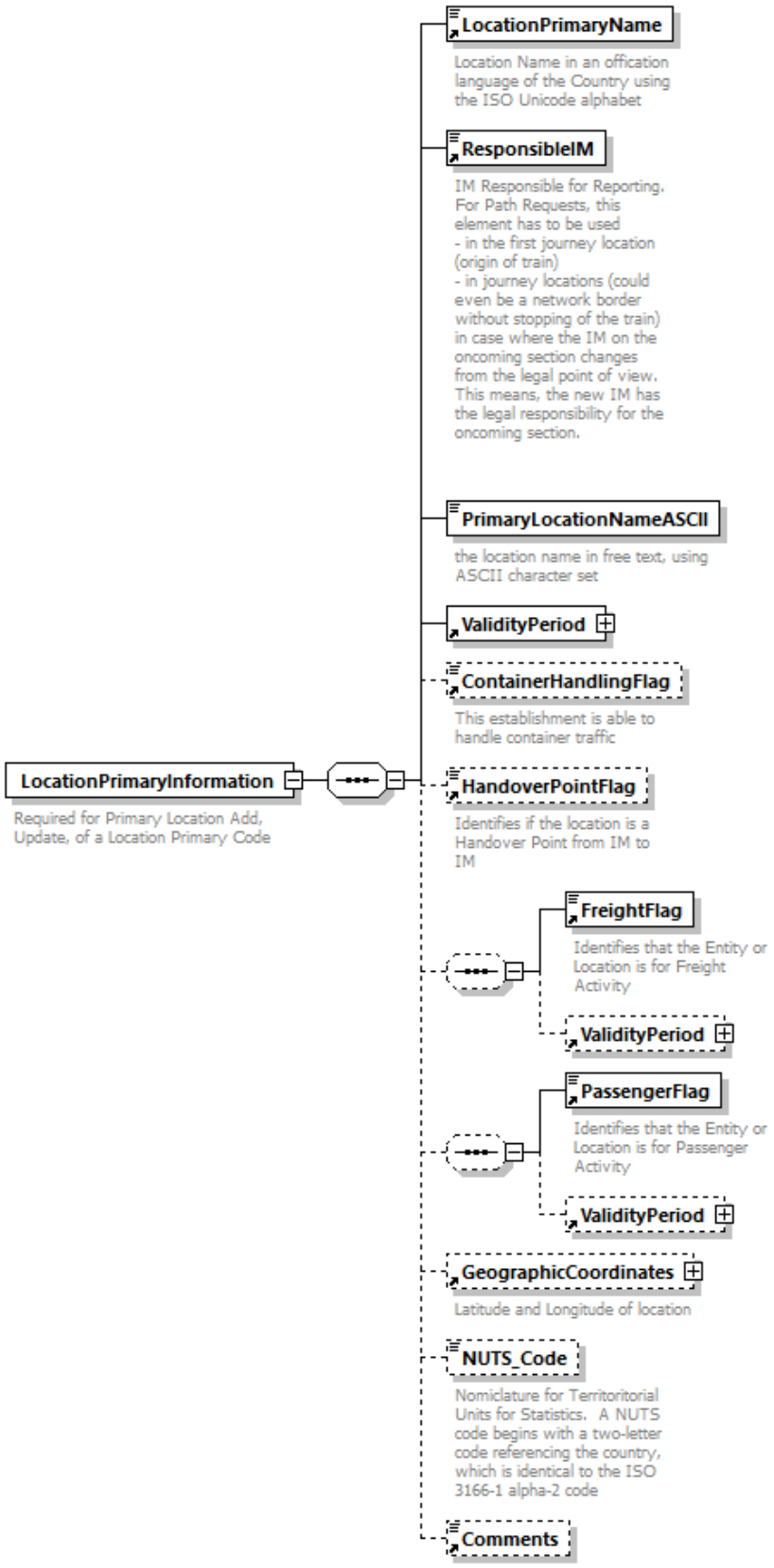
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	element **ChangeOfTrackMessage**
source	`<xs:element name="LocationPlannedTrack" type="LocationIdent"/>`

element **LocationPrimaryCode**

diagram	LocationPrimaryCode
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Numeric1-5**
properties	content simple
used by	element **LocationFileDatasetMessage** complexType **LocationIdent**
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
source	`<xs:element name="LocationPrimaryCode" type="Numeric1-5"/>`

element **LocationPrimaryInformation**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**LocationPrimaryName** **ResponsibleIM** **PrimaryLocationNameASCII** **ValidityPeriod** **ContainerHandlingFlag** **HandoverPointFlag** **FreightFlag** **PassengerFlag** **GeographicCoordinates** **NUTS_Code** **Comments**
used by	element **LocationFileDatasetMessage**
annotation	documentation Required for Primary Location Add, Update, of a Location Primary Code

source

```
<xs:element name="LocationPrimaryInformation">
  <xs:annotation>
    <xs:documentation>Required for Primary Location Add, Update, of a Location
Primary Code</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="LocationPrimaryName"/>
      <xs:element ref="ResponsibleIM"/>
      <xs:element name="PrimaryLocationNameASCII">
        <xs:annotation>
          <xs:documentation>the location name in free text, using ASCII character
set</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="255"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="ValidityPeriod"/>
      <xs:element ref="ContainerHandlingFlag" minOccurs="0"/>
      <xs:element ref="HandoverPointFlag" minOccurs="0"/>
      <xs:sequence minOccurs="0">
        <xs:element ref="FreightFlag"/>
        <xs:element ref="ValidityPeriod" minOccurs="0"/>
      </xs:sequence>
      <xs:sequence minOccurs="0">
        <xs:element ref="PassengerFlag"/>
        <xs:element ref="ValidityPeriod" minOccurs="0"/>
      </xs:sequence>
      <xs:element ref="GeographicCoordinates" minOccurs="0"/>
      <xs:element name="NUTS_Code" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Nomiclature for Territoritorial Units for Statistics.
A NUTS code begins with a two-letter code referencing the country, which is identical
to the ISO 3166-1 alpha-2 code </xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="50"/>
          </xs:restriction>
        </xs:simpleType>
```

```
      </xs:element>
      <xs:element ref="Comments" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **LocationPrimaryInformation/PrimaryLocationNameASCII**

diagram	PrimaryLocationNameASCII the location name in free text, using ASCII character set
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation the location name in free text, using ASCII character set

source

```
<xs:element name="PrimaryLocationNameASCII">
  <xs:annotation>
    <xs:documentation>the location name in free text, using ASCII character
set</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="255"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

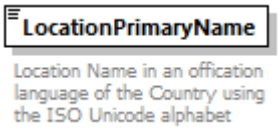
element **LocationPrimaryInformation/NUTS_Code**

diagram	NUTS_Code Nomiclature for Territoritorial Units for Statistics. A NUTS code begins with a two-letter code referencing the country, which is identical to the ISO 3166-1 alpha-2 code
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1

	maxLength 50
annotation	documentation Nomiclature for Territoritorial Units for Statistics. A NUTS code begins with a two-letter code referencing the country, which is identical to the ISO 3166-1 alpha-2 code

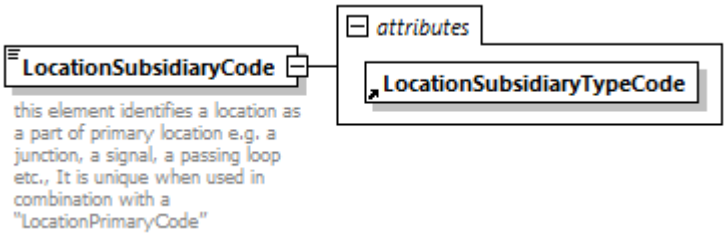
source	`<xs:element name="NUTS_Code" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Nomiclature for Territoritorial Units for Statistics. A NUTS code begins with a two-letter code referencing the country, which is identical to the ISO 3166-1 alpha-2 code </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="50"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **LocationPrimaryName**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
used by	element **LocationPrimaryInformation**
annotation	documentation Location Name in an offication language of the Country using the ISO Unicode alphabet

source	`<xs:element name="LocationPrimaryName">`
	`  <xs:annotation>`
	`  <xs:documentation>Location Name in an offication language of the Country using the ISO Unicode alphabet</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

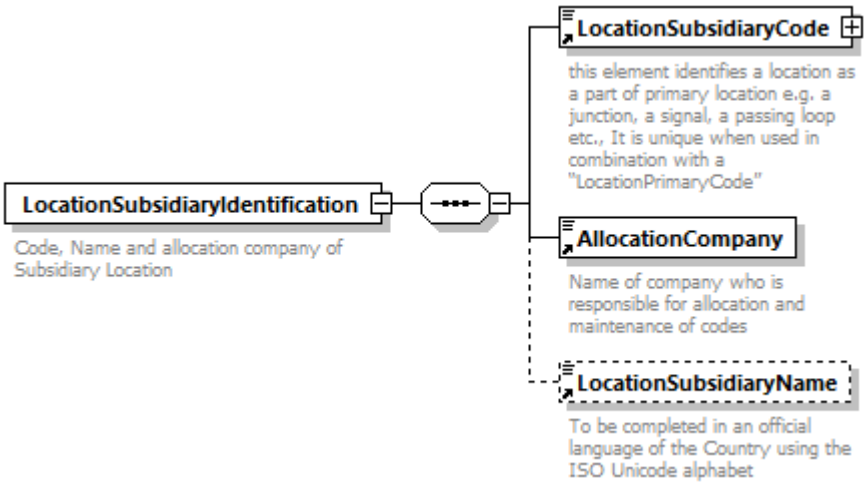
element **LocationSubsidiaryCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **String1-10**
properties	content complex

used by	elements **LocationSubsidiaryIdentification** **LocationSubsidiaryInformation**
facets	Kind / Value / Annotation minLength 1 maxLength 10
attributes	Name / Type / Use / Default / Fixed / Annotation LocationSubsidiaryTypeCode / **derived by: xs:token** / required
annotation	documentation this element identifies a location as a part of primary location e.g. a junction, a signal, a passing loop etc., It is unique when used in combination with a "LocationPrimaryCode"

source	`<xs:element name="LocationSubsidiaryCode">`
	`  <xs:annotation>`
	`  <xs:documentation>this element identifies a location as a part of primary location e.g. a junction, a signal, a passing loop etc., It is unique when used in combination with a "LocationPrimaryCode"</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:simpleContent>`
	`  <xs:extension base="String1-10">`
	`  <xs:attribute ref="LocationSubsidiaryTypeCode" use="required"/>`
	`  </xs:extension>`
	`  </xs:simpleContent>`
	`  </xs:complexType>`
	`</xs:element>`

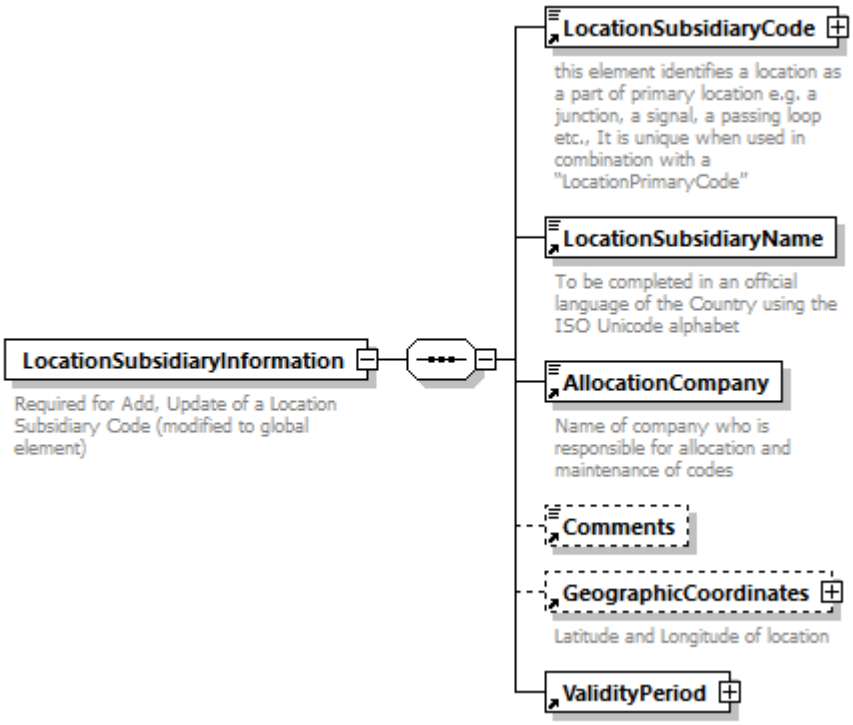
element **LocationSubsidiaryIdentification**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**LocationSubsidiaryCode** **AllocationCompany** **LocationSubsidiaryName**
used by	complexType **LocationIdent**
annotation	documentation Code, Name and allocation company of Subsidiary Location
source	`<xs:element name="LocationSubsidiaryIdentification">`

```
  <xs:annotation>
    <xs:documentation>Code, Name and allocation company of Subsidiary
Location</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="LocationSubsidiaryCode"/>
      <xs:element ref="AllocationCompany"/>
      <xs:element ref="LocationSubsidiaryName" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **LocationSubsidiaryInformation**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**LocationSubsidiaryCode** **LocationSubsidiaryName** **AllocationCompany** **Comments** **GeographicCoordinates** **ValidityPeriod**
used by	element **LocationFileDatasetMessage**
annotation	documentation Required for Add, Update of a Location Subsidiary Code (modified to global element)

source

```
<xs:element name="LocationSubsidiaryInformation">
  <xs:annotation>
    <xs:documentation>Required for Add, Update of a Location Subsidiary Code
(modified to global element)</xs:documentation>
  </xs:annotation>
```

```
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="LocationSubsidiaryCode"/>
      <xs:element ref="LocationSubsidiaryName"/>
      <xs:element ref="AllocationCompany"/>
      <xs:element ref="Comments" minOccurs="0"/>
      <xs:element ref="GeographicCoordinates" minOccurs="0"/>
      <xs:element ref="ValidityPeriod"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **LocationSubsidiaryName**

diagram	**LocationSubsidiaryName** To be completed in an official language of the Country using the ISO Unicode alphabet
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
used by	elements **LocationSubsidiaryIdentification** **LocationSubsidiaryInformation**
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation To be completed in an official language of the Country using the ISO Unicode alphabet

source	`<xs:element name="LocationSubsidiaryName" type="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>To be completed in an official language of the Country using the ISO Unicode alphabet</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **LocoNumber**

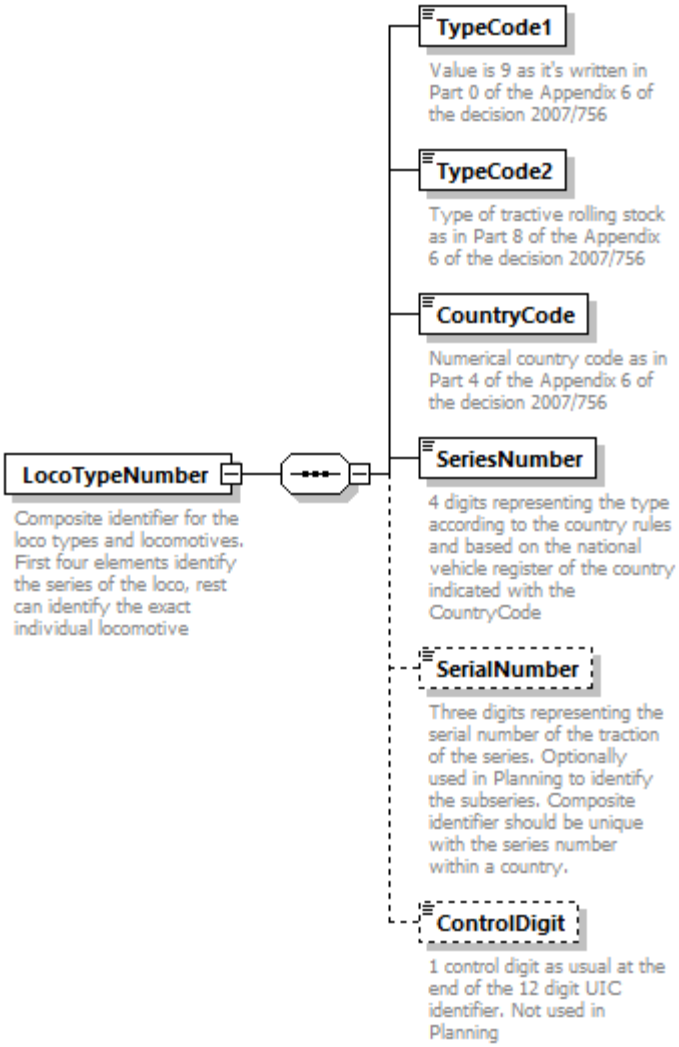
diagram	**LocoNumber** Identifies the number of the locomotive, usually the European Vehicle Number on 12N. It is currently not restricted only to numeric values.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple

used by	element **TrainCompositionJourneySection/LocoIdent**
facets	Kind Value Annotation minLength 4 maxLength 12
annotation	documentation Identifies the number of the locomotive, usually the European Vehicle Number on 12N. It is currently not restricted only to numeric values.

source	`<xs:element name="LocoNumber">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the number of the locomotive, usually the European Vehicle Number on 12N. It is currently not restricted only to numeric values.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="12"/>`
	`  <xs:minLength value="4"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **LocoTypeNumber**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**TypeCode1** **TypeCode2** **CountryCode** **SeriesNumber** **SerialNumber** **ControlDigit**
used by	elements **TrainCompositionJourneySection/LocoIdent** **TractionDetails** **UnitIdentification**
annotation	documentation Composite identifier for the loco types and locomotives. First four elements identify the series of the loco, rest can identify the exact individual locomotive

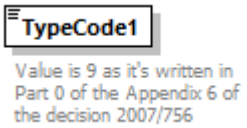
source

```
<xs:element name="LocoTypeNumber">
  <xs:annotation>
    <xs:documentation>Composite identifier for the loco types and locomotives. First four elements identify the series of the loco, rest can identify the exact individual locomotive</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="TypeCode1">
        <xs:annotation>
```

```
          <xs:documentation>Value is 9 as it's written in Part 0 of the Appendix 6
of the decision 2007/756</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:whiteSpace value="replace"/>
            <xs:maxLength value="1"/>
            <xs:pattern value="[9]"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="TypeCode2">
        <xs:annotation>
          <xs:documentation>Type of tractive rolling stock as in Part 8 of the
Appendix 6 of the decision 2007/756</xs:documentation>
        </xs:annotation>
        <!--In PCS the following types are differentiated: Eletric, Diesel, Steam,
Hybrid:-->
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:whiteSpace value="replace"/>
            <xs:maxLength value="1"/>
            <xs:pattern value="[0-9]"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="CountryCode">
        <xs:annotation>
          <xs:documentation>Numerical country code as in Part 4 of the Appendix 6
of the decision 2007/756</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="2"/>
            <xs:whiteSpace value="replace"/>
            <xs:maxLength value="2"/>
            <xs:pattern value="[0-9]{2}"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="SeriesNumber">
        <xs:annotation>
          <xs:documentation>4 digits representing the type according to the country
rules and based on the national vehicle register of the country indicated with the
CountryCode</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="4"/>
            <xs:whiteSpace value="replace"/>
            <xs:maxLength value="4"/>
            <xs:pattern value="[0-9]{4}"/>
          </xs:restriction>
```

```
        </xs:simpleType>
      </xs:element>
      <xs:element name="SerialNumber" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Three digits representing the serial number of the
traction of the series. Optionally used in Planning to identify the subseries.
Composite identifier should be unique with the series number within a
country.</xs:documentation>
        </xs:annotation>
        <!--Not necessary for Planning. Composite identifier should be unique with
the series number inside one country:-->
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="3"/>
            <xs:whiteSpace value="replace"/>
            <xs:maxLength value="3"/>
            <xs:pattern value="[0-9]{3}"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ControlDigit" minOccurs="0">
        <xs:annotation>
          <xs:documentation>1 control digit as usual at the end of the 12 digit UIC
identifier. Not used in Planning</xs:documentation>
        </xs:annotation>
        <!--Not necessary for Planning. Composite identifier should be unique with
the series number inside one country:-->
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:whiteSpace value="replace"/>
            <xs:maxLength value="1"/>
            <xs:pattern value="[0-9]"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

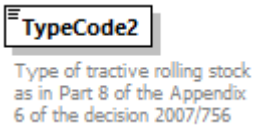
element **LocoTypeNumber/TypeCode1**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1

	maxLength 1 whiteSpace replace pattern [9]
annotation	documentation Value is 9 as it's written in Part 0 of the Appendix 6 of the decision 2007/756

source	`<xs:element name="TypeCode1">`
	`  <xs:annotation>`
	`  <xs:documentation>Value is 9 as it's written in Part 0 of the Appendix 6 of the decision 2007/756</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:whiteSpace value="replace"/>`
	`  <xs:maxLength value="1"/>`
	`  <xs:pattern value="[9]"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **LocoTypeNumber/TypeCode2**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 1 whiteSpace replace pattern [0-9]
annotation	documentation Type of tractive rolling stock as in Part 8 of the Appendix 6 of the decision 2007/756

source	`<xs:element name="TypeCode2">`
	`  <xs:annotation>`
	`  <xs:documentation>Type of tractive rolling stock as in Part 8 of the Appendix 6 of the decision 2007/756</xs:documentation>`
	`  </xs:annotation>`
	`  <!--In PCS the following types are differentiated: Eletric, Diesel, Steam, Hybrid:-->`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:whiteSpace value="replace"/>`
	`  <xs:maxLength value="1"/>`
	`  <xs:pattern value="[0-9]"/>`

```
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **LocoTypeNumber/CountryCode**

diagram	**CountryCode** Numerical country code as in Part 4 of the Appendix 6 of the decision 2007/756
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind / Value / Annotation minLength 2 maxLength 2 whiteSpace replace pattern [0-9]{2}
annotation	documentation Numerical country code as in Part 4 of the Appendix 6 of the decision 2007/756

source

```
<xs:element name="CountryCode">
  <xs:annotation>
    <xs:documentation>Numerical country code as in Part 4 of the Appendix 6 of the
decision 2007/756</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="2"/>
      <xs:whiteSpace value="replace"/>
      <xs:maxLength value="2"/>
      <xs:pattern value="[0-9]{2}"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

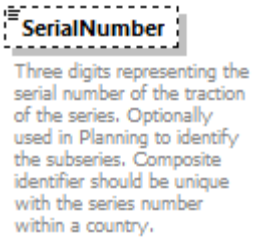
element **LocoTypeNumber/SeriesNumber**

diagram	**SeriesNumber** 4 digits representing the type according to the country rules and based on the national vehicle register of the country indicated with the CountryCode
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple

facets	Kind / Value / Annotation minLength 4 maxLength 4 whiteSpace replace pattern [0-9]{4}
annotation	documentation 4 digits representing the type according to the country rules and based on the national vehicle register of the country indicated with the CountryCode

source	`<xs:element name="SeriesNumber">`
	`  <xs:annotation>`
	`  <xs:documentation>4 digits representing the type according to the country rules and based on the national vehicle register of the country indicated with the CountryCode</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="4"/>`
	`  <xs:whiteSpace value="replace"/>`
	`  <xs:maxLength value="4"/>`
	`  <xs:pattern value="[0-9]{4}"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **LocoTypeNumber/SerialNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation minLength 3 maxLength 3 whiteSpace replace pattern [0-9]{3}
annotation	documentation Three digits representing the serial number of the traction of the series. Optionally used in Planning to identify the subseries. Composite identifier should be unique with the series number within a country.

source	`<xs:element name="SerialNumber" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Three digits representing the serial number of the traction`

```
of the series. Optionally used in Planning to identify the subseries. Composite identifier should be unique with the series number within a country.</xs:documentation>
  </xs:annotation>
  <!--Not necessary for Planning. Composite identifier should be unique with the series number inside one country:-->
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="3"/>
      <xs:whiteSpace value="replace"/>
      <xs:maxLength value="3"/>
      <xs:pattern value="[0-9]{3}"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **LocoTypeNumber/ControlDigit**

diagram	ControlDigit 1 control digit as usual at the end of the 12 digit UIC identifier. Not used in Planning
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation minLength 1 maxLength 1 whiteSpace replace pattern [0-9]
annotation	documentation 1 control digit as usual at the end of the 12 digit UIC identifier. Not used in Planning

source

```
<xs:element name="ControlDigit" minOccurs="0">
  <xs:annotation>
    <xs:documentation>1 control digit as usual at the end of the 12 digit UIC identifier. Not used in Planning</xs:documentation>
  </xs:annotation>
  <!--Not necessary for Planning. Composite identifier should be unique with the series number inside one country:-->
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:whiteSpace value="replace"/>
      <xs:maxLength value="1"/>
      <xs:pattern value="[0-9]"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Longitude**

diagram	**Longitude** Longitudinal Coordinates as expressed in decimal degrees with a precision of 6 decimals.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:float**
properties	content simple
used by	element **GeographicCoordinates**
annotation	documentation Longitudinal Coordinates as expressed in decimal degrees with a precision of 6 decimals.

source	`<xs:element name="Longitude" type="xs:float">`
	`  <xs:annotation>`
	`  <xs:documentation>Longitudinal Coordinates as expressed in decimal degrees with a precision of 6 decimals.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **MaxAxleWeight**

diagram	**MaxAxleWeight** Indicates the maximum design axle weight (to).
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:decimal**
properties	content simple
used by	elements **RollingStockDataset/DesignDataSet** **PassengerTrainData** **PlannedTrainTechnicalData** **TrainRunningTechData**
facets	Kind Value Annotation minInclusive 0.1 maxInclusive 99.9
annotation	documentation Indicates the maximum design axle weight (to).

source	`<xs:element name="MaxAxleWeight">`
	`  <xs:annotation>`
	`  <xs:documentation>Indicates the maximum design axle weight (to).</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:decimal">`
	`  <xs:minInclusive value="0.1"/>`
	`  <xs:maxInclusive value="99.9"/>`
	`  </xs:restriction>`

```
  </xs:simpleType>
</xs:element>
```

element **MaxDesignSpeed**

diagram	**MaxDesignSpeed** Maximum approved speed of the wagon (km/h)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind Value Annotation minInclusive 1 maxInclusive 999
annotation	documentation Maximum approved speed of the wagon (km/h)

source

```
<xs:element name="MaxDesignSpeed">
  <xs:annotation>
    <xs:documentation>Maximum approved speed of the wagon (km/h)</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **MaxGrossWeight**

diagram	**MaxGrossWeight** Weight of max Gross Load Weight plus the tare weight of the equipment
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**WeightValueKilo**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind Value Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse
annotation	documentation Weight of max Gross Load Weight plus the tare weight of the equipment

source	<xs:element name="MaxGrossWeight" type="WeightValueKilo"> <xs:annotation> <xs:documentation>Weight of max Gross Load Weight plus the tare weight of the equipment</xs:documentation> </xs:annotation> </xs:element>

element **MaxLengthOfLoad**

diagram	MaxLengthOfLoad Measured in mm
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind Value Annotation minInclusive 1 maxInclusive 999999
annotation	documentation Measured in mm
source	<xs:element name="MaxLengthOfLoad"> <xs:annotation> <xs:documentation>Measured in mm</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="999999"/> </xs:restriction> </xs:simpleType> </xs:element>

element **MaxTemp**

diagram	MaxTemp Maximum Temperature in °Celsius
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet/TemperatureRange**
facets	Kind Value Annotation minInclusive 0 maxInclusive 99

annotation	documentation Maximum Temperature in °Celsius
source	<xs:element name="MaxTemp"> <xs:annotation> <xs:documentation>Maximum Temperature in °Celsius</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="0"/> <xs:maxInclusive value="99"/> </xs:restriction> </xs:simpleType> </xs:element>

element **Measure**

diagram	**Measure** Measure used, either ft or mm
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	elements **Height** **Length** **Width**
facets	Kind Value Annotation enumeration ft enumeration mm
annotation	documentation Measure used, either ft or mm
source	<xs:element name="Measure"> <xs:annotation> <xs:documentation>Measure used, either ft or mm</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="ft"/> <xs:enumeration value="mm"/> </xs:restriction> </xs:simpleType> </xs:element>

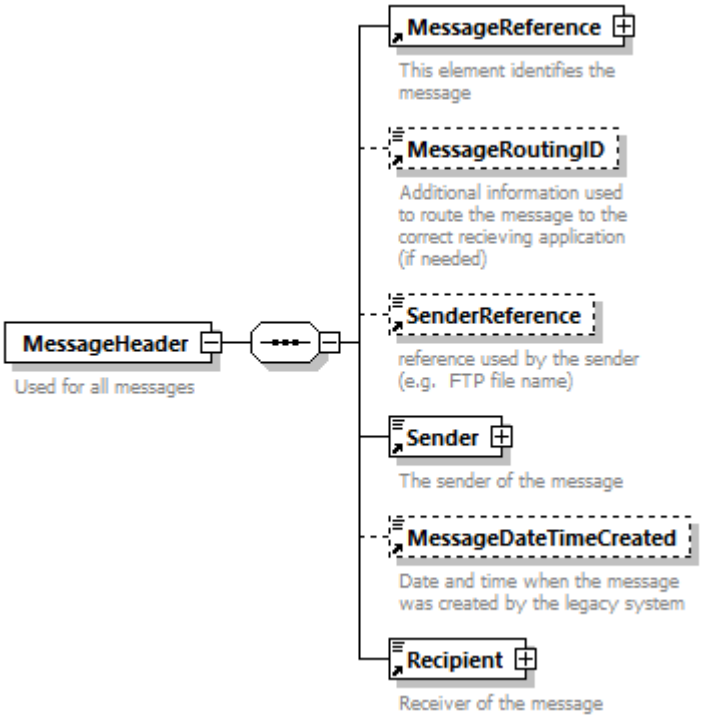
element **MessageDateTimeCreated**

diagram	**MessageDateTimeCreated** Date and time when the message was created by the legacy system
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	**xs:dateTime**
properties	content simple
used by	element **MessageHeader**
annotation	documentation Date and time when the message was created by the legacy system

source	`<xs:element name="MessageDateTimeCreated" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Date and time when the message was created by the legacy system</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **MessageHeader**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageReference** **MessageRoutingID** **SenderReference** **Sender** **MessageDateTimeCreated** **Recipient**
used by	elements **AlertMessage** **CapacityModelMessage** **CapacityProductMessage** **CapacityProductSearchMessage** **ChangeOfTrackMessage** **ConsignmentOrderMessage** **ErrorMessage** **LocationFileDatasetMessage** **ObjectInfoMessage** **PassengerTrainCompositionMessage** **PathCanceledMessage** **PathConfirmedMessage** **PathCoordinationMessage** **PathDetailsMessage** **PathDetailsRefusedMessage** **PathNotAvailableMessage** **PathRequestMessage** **PathSectionNotificationMessage** **ReceiptConfirmationMessage** **RollingStockDatasetMessage** **RollingStockDatasetQueryMessage** **RollingStockRestrictionMessage** **RunningStatusReportMessage** **TCRCanceledMessage** **TCRMessage** **TCRResponseMessage** **TrainCompositionMessage** **TrainDelayCauseMessage** **TrainForecastAtReportingLocationMessage** **TrainForecastedDelayCauseMessage** **TrainJourneyModificationMessage** **TrainReadyMessage** **TrainRunningForecastMessage**

	TrainRunningInformationMessage TrainRunningInterruptionMessage UpdateLinkMessage WagonETI_ETA_Message WagonInterchangeNoticeMessage WagonInterchangeSubNoticeMessage WagonPerformanceMessage WagonReceivedAtInterchangeMessage WagonRefusedAtInterchangeMessage WagonStatusMessages
annotation	documentation Used for all messages

source	`<xs:element name="MessageHeader">`
	`  <xs:annotation>`
	`  <xs:documentation>Used for all messages</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="MessageReference"/>`
	`  <xs:element ref="MessageRoutingID" minOccurs="0"/>`
	`  <xs:element ref="SenderReference" minOccurs="0"/>`
	`  <xs:element ref="Sender"/>`
	`  <xs:element ref="MessageDateTimeCreated" minOccurs="0"/>`
	`  <xs:element ref="Recipient"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

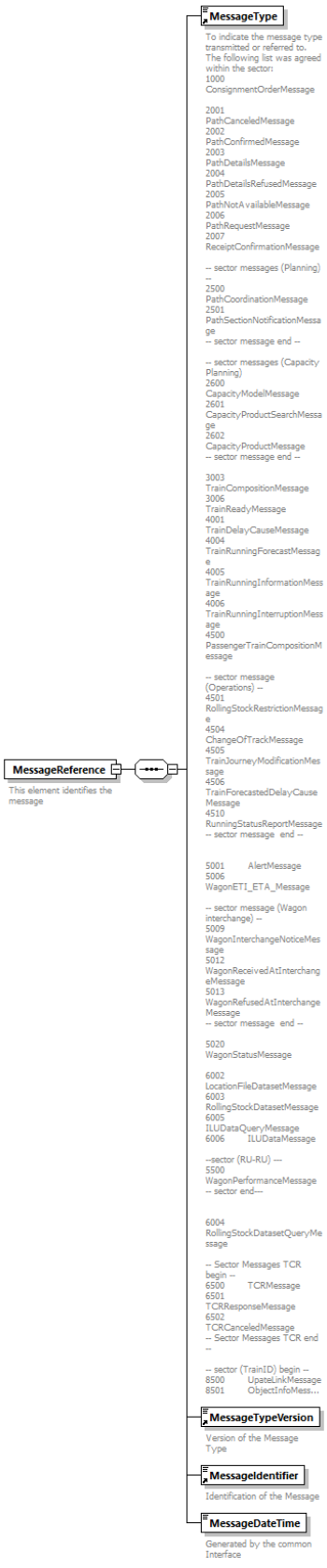
element **MessageIdentifier**

diagram	MessageIdentifier Identification of the Message
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	FreeText
properties	content simple
used by	element MessageReference
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Identification of the Message

source	`<xs:element name="MessageIdentifier" type="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>Identification of the Message</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **MessageReference**

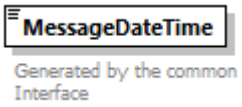
diagram


MessageReference
This element identifies the message
MessageType
To indicate the message type transmitted or referred to. The following list was agreed within the sector:
1000 ConsignmentOrderMessage
2001 PathCanceledMessage
2002 PathConfirmedMessage
2003 PathDetailsMessage
2004 PathDetailsRefusedMessage
2005 PathNotAvailableMessage
2006 PathRequestMessage
2007 ReceiptConfirmationMessage
-- sector messages (Planning) --
2500 PathCoordinationMessage
2501 PathSectionNotificationMessage
-- sector message end --
-- sector messages (Capacity Planning)
2600 CapacityModelMessage
2601 CapacityProductSearchMessage
2602 CapacityProductMessage
-- sector message end --
3003 TrainCompositionMessage
3006 TrainReadyMessage
4001 TrainDelayCauseMessage
4004 TrainRunningForecastMessage
4005 TrainRunningInformationMessage
4006 TrainRunningInterruptionMessage
4500 PassengerTrainCompositionMessage
-- sector message (Operations) --
4501 RollingStockRestrictionMessage
4504 ChangeOfTrackMessage
4505 TrainJourneyModificationMessage
4506 TrainForecastedDelayCauseMessage
4510 RunningStatusReportMessage
-- sector message end --
5001 AlertMessage
5006 WagonETI_ETA_Message
-- sector message (Wagon interchange) --
5009 WagonInterchangeNoticeMessage
5012 WagonReceivedAtInterchangeMessage
5013 WagonRefusedAtInterchangeMessage
-- sector message end --
5020 WagonStatusMessage
6002 LocationFileDatasetMessage
6003 RollingStockDatasetMessage
6005 ILUDataQueryMessage
6006 ILUDataMessage
--sector (RU-RU) ---
5500 WagonPerformanceMessage
-- sector end---
6004 RollingStockDatasetQueryMessage
-- Sector Messages TCR begin --
6500 TCRMessage
6501 TCRResponseMessage
6502 TCRCanceledMessage
-- Sector Messages TCR end --
-- sector (TrainID) begin --
8500 UpdateLinkMessage
8501 ObjectInfoMess...
MessageTypeVersion
Version of the Message Type
MessageIdentifier
Identification of the Message
MessageDateTime
Generated by the common Interface

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageType** **MessageTypeVersion** **MessageIdentifier** **MessageDateTime**
used by	elements **ErrorMessage/ErrorCauseReference** **MessageHeader**
annotation	documentation This element identifies the message
source	

```
<xs:element name="MessageReference">
  <xs:annotation>
    <xs:documentation>This element identifies the message</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageType"/>
      <xs:element ref="MessageTypeVersion"/>
      <xs:element ref="MessageIdentifier"/>
      <xs:element name="MessageDateTime" type="xs:dateTime">
        <xs:annotation>
          <xs:documentation>Generated by the common Interface</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **MessageReference/MessageDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
annotation	documentation Generated by the common Interface
source	

```
<xs:element name="MessageDateTime" type="xs:dateTime">
  <xs:annotation>
    <xs:documentation>Generated by the common Interface</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **MessageRoutingID**

diagram	**MessageRoutingID** Additional information used to route the message to the correct recieving application (if needed)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Numeric2-2**
properties	content simple
used by	element **MessageHeader**
facets	Kind Value Annotation minInclusive 01 maxInclusive 99
annotation	documentation Additional information used to route the message to the correct recieving application (if needed)

source	`<xs:element name="MessageRoutingID" type="Numeric2-2">`
	`  <xs:annotation>`
	`  <xs:documentation>Additional information used to route the message to the correct recieving application (if needed)</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **MessageStatus**

diagram	**MessageStatus** Assigned by the Sender 1=creation, 2=modification, 3=deletion
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	elements **ChangeOfTrackMessage** **ErrorMessage** **LocationFileDatasetMessage** **ObjectInfoMessage** **PassengerTrainCompositionMessage** **PathCanceledMessage** **PathConfirmedMessage** **PathCoordinationMessage** **PathDetailsMessage** **PathDetailsRefusedMessage** **PathNotAvailableMessage** **PathRequestMessage** **PathSectionNotificationMessage** **RollingStockRestrictionMessage** **RunningStatusReportMessage** **TrainCompositionMessage** **TrainDelayCauseMessage** **TrainForecastAtReportingLocationMessage** **TrainForecastedDelayCauseMessage** **TrainJourneyModificationMessage** **TrainReadyMessage** **TrainRunningForecastMessage** **TrainRunningInformationMessage** **TrainRunningInterruptionMessage** **UpdateLinkMessage**
facets	Kind Value Annotation enumeration 1 documentation creation enumeration 2 documentation modification enumeration 3 documentation deletion
annotation	documentation Assigned by the Sender 1=creation, 2=modification, 3=deletion

source

```
<xs:element name="MessageStatus">
  <xs:annotation>
    <xs:documentation>Assigned by the Sender 1=creation, 2=modification,
3=deletion</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>creation</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>modification</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="3">
        <xs:annotation>
          <xs:documentation>deletion</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **MessageType**

diagram

MessageType

To indicate the message type transmitted or referred to. The following list was agreed within the sector:
1000
ConsignmentOrderMessage

2001
PathCanceledMessage
2002
PathConfirmedMessage
2003
PathDetailsMessage
2004
PathDetailsRefusedMessage
2005
PathNotAvailableMessage
2006
PathRequestMessage
2007
ReceiptConfirmationMessage

-- sector messages (Planning) --
2500
PathCoordinationMessage
2501
PathSectionNotificationMessage
-- sector message end --

-- sector messages (Capacity Planning)
2600
CapacityModelMessage
2601
CapacityProductSearchMessage
2602
CapacityProductMessage
-- sector message end --

3003
TrainCompositionMessage
3006
TrainReadyMessage
4001
TrainDelayCauseMessage
4004
TrainRunningForecastMessage
4005
TrainRunningInformationMessage
4006
TrainRunningInterruptionMessage
4500
PassengerTrainCompositionMessage

-- sector message (Operations) --
4501
RollingStockRestrictionMessage
4504
ChangeOfTrackMessage
4505
TrainJourneyModificationMessage
4506
TrainForecastedDelayCauseMessage
4510
RunningStatusReportMessage
-- sector message end --

5001 AlertMessage
5006
WagonETI_ETA_Message

-- sector message (Wagon interchange) --
5009
WagonInterchangeNoticeMessage
5012
WagonReceivedAtInterchangeMessage
5013
WagonRefusedAtInterchangeMessage
-- sector message end --

5020
WagonStatusMessage

6002
LocationFileDatasetMessage
6003
RollingStockDatasetMessage
6005
ILUDataQueryMessage
6006 ILUDataMessage

--sector (RU-RU) ---
5500
WagonPerformanceMessage
-- sector end---

6004
RollingStockDatasetQueryMessage

-- Sector Messages TCR begin --
6500 TCRMessage
6501
TCRResponseMessage
6502
TCRCanceledMessage
-- Sector Messages TCR end --

-- sector (TrainID) begin --
8500 UpateLinkMessage
8501 ObjectInfoMess...

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	element **MessageReference**
facets	Kind Value Annotation minLength 1 maxLength 4
annotation	documentation To indicate the message type transmitted or referred to. The following list was agreed within the sector: 1000 ConsignmentOrderMessage 2001 PathCanceledMessage 2002 PathConfirmedMessage 2003 PathDetailsMessage 2004 PathDetailsRefusedMessage 2005 PathNotAvailableMessage 2006 PathRequestMessage 2007 ReceiptConfirmationMessage -- sector messages (Planning) -- 2500 PathCoordinationMessage 2501 PathSectionNotificationMessage -- sector message end -- -- sector messages (Capacity Planning) 2600 CapacityModelMessage 2601 CapacityProductSearchMessage 2602 CapacityProductMessage -- sector message end -- 3003 TrainCompositionMessage 3006 TrainReadyMessage 4001 TrainDelayCauseMessage 4004 TrainRunningForecastMessage 4005 TrainRunningInformationMessage 4006 TrainRunningInterruptionMessage 4500 PassengerTrainCompositionMessage -- sector message (Operations) -- 4501 RollingStockRestrictionMessage 4504 ChangeOfTrackMessage 4505 TrainJourneyModificationMessage 4506 TrainForecastedDelayCauseMessage 4510 RunningStatusReportMessage -- sector message end -- 5001 AlertMessage 5006 WagonETI_ETA_Message -- sector message (Wagon interchange) -- 5009 WagonInterchangeNoticeMessage 5012 WagonReceivedAtInterchangeMessage 5013 WagonRefusedAtInterchangeMessage -- sector message end -- 5020 WagonStatusMessage

	6002 LocationFileDatasetMessage 6003 RollingStockDatasetMessage 6005 ILUDataQueryMessage 6006 ILUDataMessage --sector (RU-RU) --- 5500 WagonPerformanceMessage -- sector end--- 6004 RollingStockDatasetQueryMessage -- Sector Messages TCR begin -- 6500 TCRMessage 6501 TCRResponseMessage 6502 TCRCanceledMessage -- Sector Messages TCR end -- -- sector (TrainID) begin -- 8500 UpateLinkMessage 8501 ObjectInfoMessage -- sector end -- 9000 ErrorMessage --Reserved: (IM-RU for SFERA) --- SF00 to SF99 for SFERA messages (see IRS90940) – Reserved end –
source	<xs:element name="MessageType"> <xs:annotation> <xs:documentation>To indicate the message type transmitted or referred to. The following list was agreed within the sector: 1000 ConsignmentOrderMessage 2001 PathCanceledMessage 2002 PathConfirmedMessage 2003 PathDetailsMessage 2004 PathDetailsRefusedMessage 2005 PathNotAvailableMessage 2006 PathRequestMessage 2007 ReceiptConfirmationMessage -- sector messages (Planning) -- 2500 PathCoordinationMessage 2501 PathSectionNotificationMessage -- sector message end -- -- sector messages (Capacity Planning) 2600 CapacityModelMessage 2601 CapacityProductSearchMessage 2602 CapacityProductMessage -- sector message end -- 3003 TrainCompositionMessage

```
3006        TrainReadyMessage
4001        TrainDelayCauseMessage
4004        TrainRunningForecastMessage
4005        TrainRunningInformationMessage
4006        TrainRunningInterruptionMessage
4500        PassengerTrainCompositionMessage

-- sector message (Operations) --
4501      RollingStockRestrictionMessage
4504      ChangeOfTrackMessage
4505      TrainJourneyModificationMessage
4506      TrainForecastedDelayCauseMessage
4510      RunningStatusReportMessage
-- sector message  end --


5001        AlertMessage
5006        WagonETI_ETA_Message

-- sector message (Wagon interchange) --
5009        WagonInterchangeNoticeMessage
5012        WagonReceivedAtInterchangeMessage
5013        WagonRefusedAtInterchangeMessage
-- sector message  end --

5020        WagonStatusMessage

6002        LocationFileDatasetMessage
6003        RollingStockDatasetMessage
6005        ILUDataQueryMessage
6006        ILUDataMessage

--sector (RU-RU) ---
5500        WagonPerformanceMessage
-- sector end---


6004        RollingStockDatasetQueryMessage

-- Sector Messages TCR begin --
6500        TCRMessage
6501        TCRResponseMessage
6502        TCRCanceledMessage
-- Sector Messages TCR end --

-- sector (TrainID) begin --
8500        UpateLinkMessage
8501        ObjectInfoMessage
-- sector end --

9000        ErrorMessage

--Reserved:  (IM-RU for SFERA) ---
SF00 to SF99 for SFERA messages (see IRS90940)
– Reserved end –
```

```
                    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="4"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **MessageTypeVersion**

diagram	**MessageTypeVersion** Version of the Message Type
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	element **MessageReference**
facets	Kind Value Annotation maxLength 25
annotation	documentation Version of the Message Type

source

```
<xs:element name="MessageTypeVersion">
  <xs:annotation>
    <xs:documentation>Version of the Message Type</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="25"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **MinBrakedWeightPercent**

diagram	**MinBrakedWeightPercent** Minimum percentage of braking claimed by IM for safety reasons.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	element **PlannedTrainTechnicalData**

facets	Kind / Value / Annotation minInclusive 1 maxInclusive 999
annotation	documentation Minimum percentage of braking claimed by IM for safety reasons.

source	`<xs:element name="MinBrakedWeightPercent">`
	`  <xs:annotation>`
	`  <xs:documentation>Minimum percentage of braking claimed by IM for safety reasons.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="999"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **MinCurveRadius**

diagram	MinCurveRadius Measured in Metres
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind / Value / Annotation minInclusive 1 maxInclusive 999
annotation	documentation Measured in Metres

source	`<xs:element name="MinCurveRadius">`
	`  <xs:annotation>`
	`  <xs:documentation>Measured in Metres</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="999"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **MinTemp**

diagram	MinTemp Minimum temperature in ° Celsius
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet/TemperatureRange**
facets	Kind Value Annotation minInclusive -99 maxInclusive 0
annotation	documentation Minimum temperature in ° Celsius

source	`<xs:element name="MinTemp">`
	`  <xs:annotation>`
	`  <xs:documentation>Minimum temperature in ° Celsius</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:int">`
	`  <xs:minInclusive value="-99"/>`
	`  <xs:maxInclusive value="0"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **MinVerticalRadiusYardHump**

diagram	MinVerticalRadiusYardHump Minimum allowed vertical radius over yard humps. Measured in meters.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind Value Annotation minInclusive 1 maxInclusive 999
annotation	documentation Minimum allowed vertical radius over yard humps. Measured in meters.

source	`<xs:element name="MinVerticalRadiusYardHump">`
	`  <xs:annotation>`
	`  <xs:documentation>Minimum allowed vertical radius over yard humps. Measured in meters.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`

```
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ModificationReason**

diagram	ModificationReason Identifiies the reason for the train journey being modified
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**DelayCode**
properties	content simple
used by	element **TrainJourneyModificationMessage**
facets	Kind Value Annotation enumeration 11 documentation Formation of trains if managed by infrastructure manager enumeration 10 documentation Timetable compilation enumeration 12 documentation Mistakes in operational procedures enumeration 13 documentation Wrong application of priority rules enumeration 14 enumeration 18 documentation Staff enumeration 19 documentation Other causes related to the operational planning and management enumeration 20 documentation Signalling installations enumeration 21 documentation Signalling installations at level crossings enumeration 22 documentation Telecommunication installations enumeration 23 documentation Power supply equipment enumeration 24 documentation Track enumeration 25 documentation Structures enumeration 28 documentation Staff enumeration 29 documentation Other causes related to infrastructure installations enumeration 31 documentation Irregularities in execution of construction work enumeration 30 documentation Planned construction work enumeration 32 documentation Speed restrictions due to defective track enumeration 39 documentation

	enumeration	40	Other causes related to Civil engineering documentation
	enumeration	41	Delay caused by next IM documentation
	enumeration	50	Delay caused by previous IM documentation
	enumeration	51	exceeding the stop time documentation
	enumeration	52	Request of the RU documentation
	enumeration	53	Loading operations documentation
	enumeration	54	Loading irregularities documentation
	enumeration	58	Commercial preparation of the train documentation
	enumeration	59	Staff documentation
	enumeration	60	Other causes related to commercial causes documentation
	enumeration	61	Roster planning/re-rostering documentation
	enumeration	62	Formation of trains by the RU documentation
	enumeration	63	Problems affecting coaches documentation
	enumeration	64	Problems affecting wagons documentation
	enumeration	68	Problems affecting traction units documentation
	enumeration	69	Staff documentation
	enumeration	70	Other causes related to Rolling Stock documentation
	enumeration	71	Delay caused by next RU documentation
	enumeration	80	Delay caused by previous RU documentation
	enumeration	81	Strike documentation
	enumeration	82	Administrative formalites documentation
	enumeration	83	Outside influence documentation
	enumeration	84	Effects of weather and natural causes documentation
	enumeration	89	Delay caused by external reasons on the next network documentation
	enumeration	90	Other external causes documentation
	enumeration	91	Dangerous incidents, accidents and hazards documentation
	enumeration	92	Track occupation caused by the lateness of the same train documentation
	enumeration	93	Track occupation caused by the lateness of another train documentation
	enumeration	94	Turn round documentation
	enumeration	95	Connection documentation

	Further investigation needed
annotation	documentation Identifiies the reason for the train journey being modified
source	<xs:element name="ModificationReason" type="DelayCode"> <xs:annotation> <xs:documentation>Identifiies the reason for the train journey being modified</xs:documentation> </xs:annotation> </xs:element>

element **ModificationStatusIndicator**

diagram	**ModificationStatusIndicator** This elemnt shows if the location has been added or deleted in the modified train journey
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	element **LocationModified**
facets	Kind Value Annotation minInclusive 1 maxInclusive 99
annotation	documentation This elemnt shows if the location has been added or deleted in the modified train journey
source	<xs:element name="ModificationStatusIndicator"> <xs:annotation> <xs:documentation>This elemnt shows if the location has been added or deleted in the modified train journey</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="99"/> </xs:restriction> </xs:simpleType> </xs:element>

element **MRN_Type**

diagram	**MRN_Type** Type of MRN given, CODE: CIT GLV-CIM appendix 2
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**

properties	content simple
used by	element **ReferenceNumbers/MovementReferenceNumber**
facets	Kind / Value / Annotation enumeration MRN-E — documentation: if an EXPORT declaration has been lodged enumeration MRN-T — documentation: if a TRANSIT declaration has been lodged enumeration MRN-TS — documentation: if a TRANSIT declaration with SECURITY data has been lodged enumeration MRN-EXS — documentation: if the EXIT SUMMARY declaration has been made separately by the consignor enumeration MRN-ENS — documentation: if the ENTRY SUMMARY declaration has been made separately by the consignor
annotation	documentation Type of MRN given, CODE: CIT GLV-CIM appendix 2

source

```
<xs:element name="MRN_Type">
  <xs:annotation>
    <xs:documentation>Type of MRN given, CODE: CIT GLV-CIM appendix
2</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="MRN-E">
        <xs:annotation>
          <xs:documentation>if an EXPORT declaration has been
lodged</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="MRN-T">
        <xs:annotation>
          <xs:documentation>if a TRANSIT declaration has been
lodged</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="MRN-TS">
        <xs:annotation>
          <xs:documentation>if a TRANSIT declaration with SECURITY data has been
lodged</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="MRN-EXS">
        <xs:annotation>
          <xs:documentation>if the EXIT SUMMARY declaration has been made separately
by the consignor</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="MRN-ENS">
        <xs:annotation>
          <xs:documentation>if the ENTRY SUMMARY declaration has been made
separately by the consignor</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
```

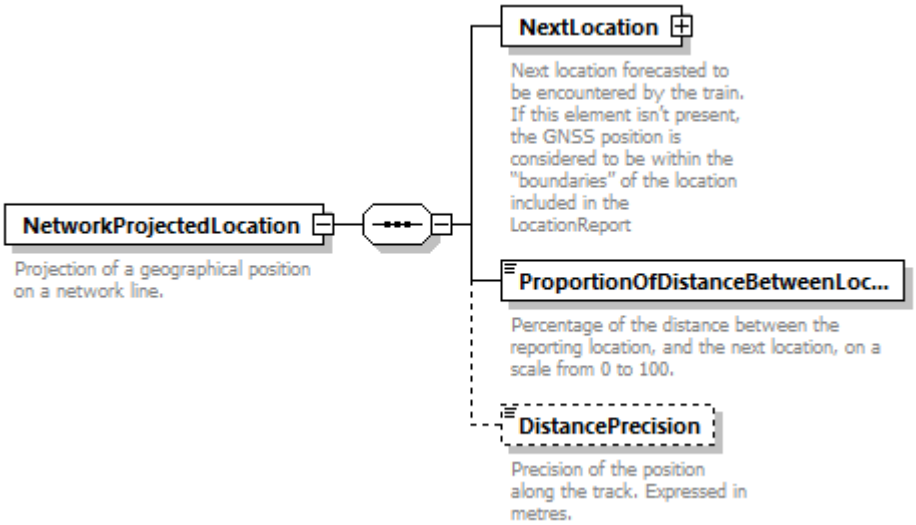
	`</xs:element>`

element **Name**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
used by	elements **AdministrativeContactInformation** **Customer** **Customers** **RollingRoadUnit/RollingRoadUnitDetails/Haulier** **NetworkSpecificParameter** **Parameters**
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Generic Name in Free Text

source	`<xs:element name="Name" type="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>Generic Name in Free Text</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **NetworkProjectedLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**NextLocation** **ProportionOfDistanceBetweenLocations** **DistancePrecision**
used by	element **GeoLocalisationOnNetwork**

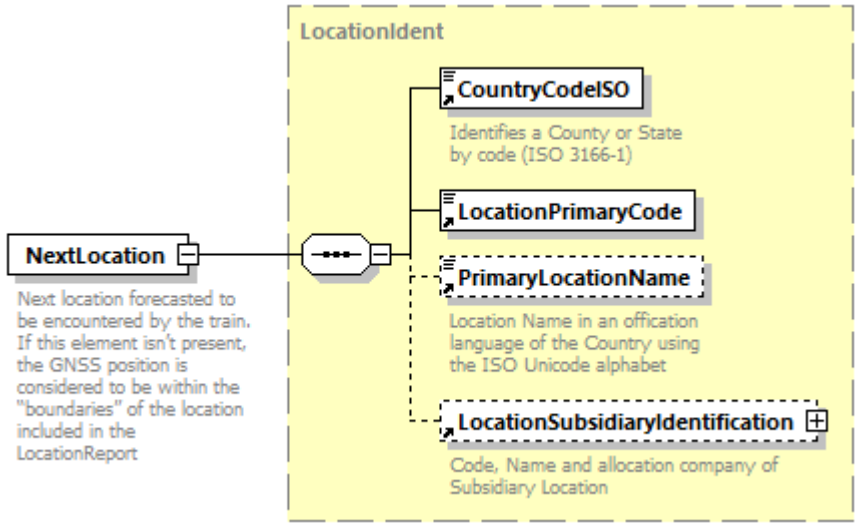
annotation	documentation Projection of a geographical position on a network line.

source

```
<xs:element name="NetworkProjectedLocation">
  <xs:annotation>
    <xs:documentation>Projection of a geographical position on a network line.
</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="NextLocation" type="LocationIdent">
        <xs:annotation>
          <xs:documentation>Next location forecasted to be encountered by the train.
If this element isn’t present, the GNSS position is considered to be within the
“boundaries” of the location included in the LocationReport</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="ProportionOfDistanceBetweenLocations" type="Percentage">
        <xs:annotation>
          <xs:documentation>Percentage of the distance between the reporting
location, and the next location, on a scale from 0 to 100. </xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="DistancePrecision" type="xs:float" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Precision of the position along the track. Expressed in
metres.</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **NetworkProjectedLocation/NextLocation**

diagram

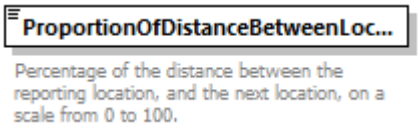


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation Next location forecasted to be encountered by the train. If this element isn't present, the GNSS position is considered to be within the "boundaries" of the location included in the LocationReport

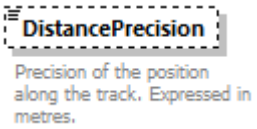
source	`<xs:element name="NextLocation" type="LocationIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>Next location forecasted to be encountered by the train. If this element isn't present, the GNSS position is considered to be within the "boundaries" of the location included in the LocationReport</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **NetworkProjectedLocation/ProportionOfDistanceBetweenLocations**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Percentage**
properties	content simple
facets	Kind Value Annotation minInclusive 0 maxInclusive 100
annotation	documentation Percentage of the distance between the reporting location, and the next location, on a scale from 0 to 100.

source	`<xs:element name="ProportionOfDistanceBetweenLocations" type="Percentage">`
	`  <xs:annotation>`
	`  <xs:documentation>Percentage of the distance between the reporting location, and the next location, on a scale from 0 to 100. </xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

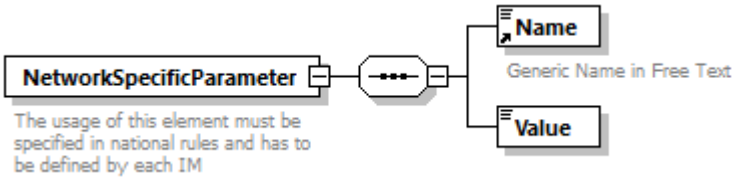
element **NetworkProjectedLocation/DistancePrecision**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:float**
properties	minOcc 0 maxOcc 1

	content simple
annotation	documentation Precision of the position along the track. Expressed in metres.

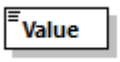
source	`<xs:element name="DistancePrecision" type="xs:float" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Precision of the position along the track. Expressed in metres.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **NetworkSpecificParameter**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Name** **Value**
used by	elements **AffectedSection** **PathCoordinationMessage** **PathDetailsMessage** **PathRequestMessage** **PathSectionNotificationMessage** **PlannedJourneyLocation**
annotation	documentation The usage of this element must be specified in national rules and has to be defined by each IM

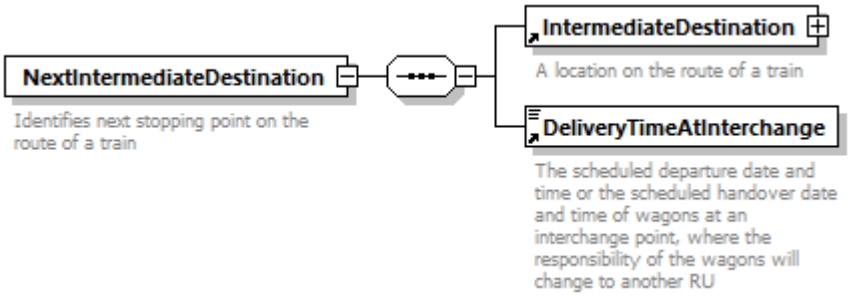
source	`<xs:element name="NetworkSpecificParameter">`
	`  <xs:annotation>`
	`  <xs:documentation>The usage of this element must be specified in national rules and has to be defined by each IM</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Name"/>`
	`  <xs:element name="Value" type="FreeText"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **NetworkSpecificParameter/Value**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
used by	elements **Height** **Length** **Width**

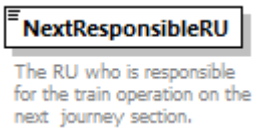
facets	Kind / Value / Annotation minLength 1 maxLength 255
source	`<xs:element name="Value" type="FreeText"/>`

element **NextIntermediateDestination**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**IntermediateDestination** **DeliveryTimeAtInterchange**
annotation	documentation Identifies next stopping point on the route of a train

source	`<xs:element name="NextIntermediateDestination">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies next stopping point on the route of a train</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="IntermediateDestination"/>`
	`  <xs:element ref="DeliveryTimeAtInterchange"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **NextResponsibleRU**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
facets	Kind / Value / Annotation minLength 4 maxLength 4

	pattern [0-9A-Z]{4}
annotation	documentation The RU who is responsible for the train operation on the next journey section.

source	`<xs:element name="NextResponsibleRU" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>The RU who is responsible for the train operation on the next journey section.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **NHM_Code**

diagram	NHM_Code NHM code of the goods
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**NHMCodeType**
properties	content simple
used by	elements **Goods** **GoodsInWagon/GoodsInContainer** **GoodsInWagon** **Wagons/GoodsInWagon**
facets	Kind Value Annotation length 6 pattern \d*[1-9]\d*
annotation	documentation NHM code of the goods

source	`<xs:element name="NHM_Code" type="NHMCodeType">`
	`  <xs:annotation>`
	`  <xs:documentation>NHM code of the goods</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **Noise**

diagram	Noise Noise level at stand still in decibels
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 999
annotation	documentation Noise level at stand still in decibels
source	`<xs:element name="Noise">` `  <xs:annotation>`

```
    <xs:documentation>Noise level at stand still in decibels</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **NoiseByPassLimit**

diagram	NoiseByPassLimit Noise limit on reference track
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 999
annotation	documentation Noise limit on reference track

source

```
<xs:element name="NoiseByPassLimit">
  <xs:annotation>
    <xs:documentation>Noise limit on reference track</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **NormalLoadingGauge**

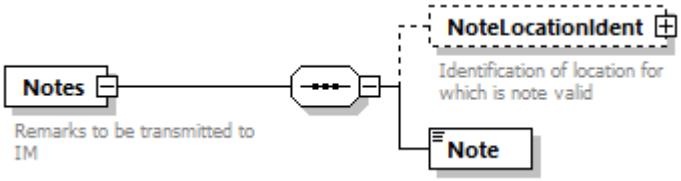
diagram	NormalLoadingGauge All codes are defined in the UIC leaflet 505-1 and 503, as well as in the EN 15273-2:2013. For details please refer to EN 15273-2:2013 (Railway applications - Gauges - Part 2: Rolling stock gauge). For the existing gauges in the list, the Annex B.3 should be used....
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	restriction of **xs:token**
properties	content simple
used by	elements **RollingStockDataset/DesignDataSet** **UnitTechnicalData** **WagonTechData**
facets	Kind / Value / Annotation enumeration G1 enumeration G2 enumeration GA enumeration GB enumeration GC enumeration GB1 enumeration GB2 enumeration GB-M6 enumeration GHE16 enumeration W6-A enumeration SEa
annotation	documentation All codes are defined in the UIC leaflet 505-1 and 503, as well as in the EN 15273-2:2013. For details please refer to EN 15273-2:2013 (Railway applications - Gauges - Part 2: Rolling stock gauge). For the existing gauges in the list, the Annex B.3 should be used.

source

```
<xs:element name="NormalLoadingGauge">
  <xs:annotation>
    <xs:documentation>
                    All codes are defined in the UIC leaflet 505-1 and 503, as well
as in the EN 15273-2:2013. For details please refer to EN 15273-2:2013 (Railway
applications - Gauges - Part 2: Rolling stock gauge). For the existing gauges in the
list, the Annex B.3 should be used.
                    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="G1"/>
      <xs:enumeration value="G2"/>
      <xs:enumeration value="GA"/>
      <xs:enumeration value="GB"/>
      <xs:enumeration value="GC"/>
      <xs:enumeration value="GB1"/>
      <xs:enumeration value="GB2"/>
      <xs:enumeration value="GB-M6"/>
      <xs:enumeration value="GHE16"/>
      <xs:enumeration value="W6-A"/>
      <xs:enumeration value="SEa"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

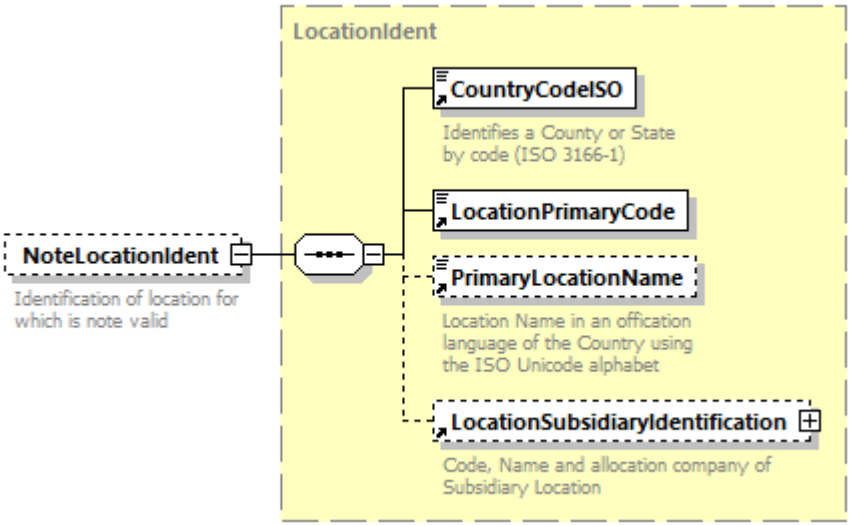
element **Notes**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**NoteLocationIdent** **Note**
used by	element **TrainRunningData**
annotation	documentation Remarks to be transmitted to IM

source

```
<xs:element name="Notes">
  <xs:annotation>
    <xs:documentation>Remarks to be transmitted to IM</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="NoteLocationIdent" type="LocationIdent" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Identification of location for which is note
valid</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="Note" type="FreeText"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

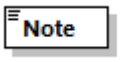
element **Notes/NoteLocationIdent**

diagram	

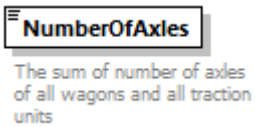
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	minOcc 0 maxOcc 1 content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation Identification of location for which is note valid

source	`<xs:element name="NoteLocationIdent" type="LocationIdent" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Identification of location for which is note valid</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **Notes/Note**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 255
source	`<xs:element name="Note" type="FreeText"/>`

element **NumberOfAxles**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	elements **PassengerTrainData** **RollingStockTechnicalData** **Traction** **TrainRunningTechData**
facets	Kind Value Annotation minInclusive 0000 maxInclusive 9999
annotation	documentation The sum of number of axles of all wagons and all traction units
source	`<xs:element name="NumberOfAxles">` `  <xs:annotation>`

```
    <xs:documentation>The sum of number of axles of all wagons and all traction units</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="0000"/>
      <xs:maxInclusive value="9999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **NumberOfBogies**

diagram	NumberOfBogies
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind / Value / Annotation minInclusive 1 maxInclusive 9

source

```
<xs:element name="NumberOfBogies">
  <xs:simpleType>
    <xs:restriction base="xs:int">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="9"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

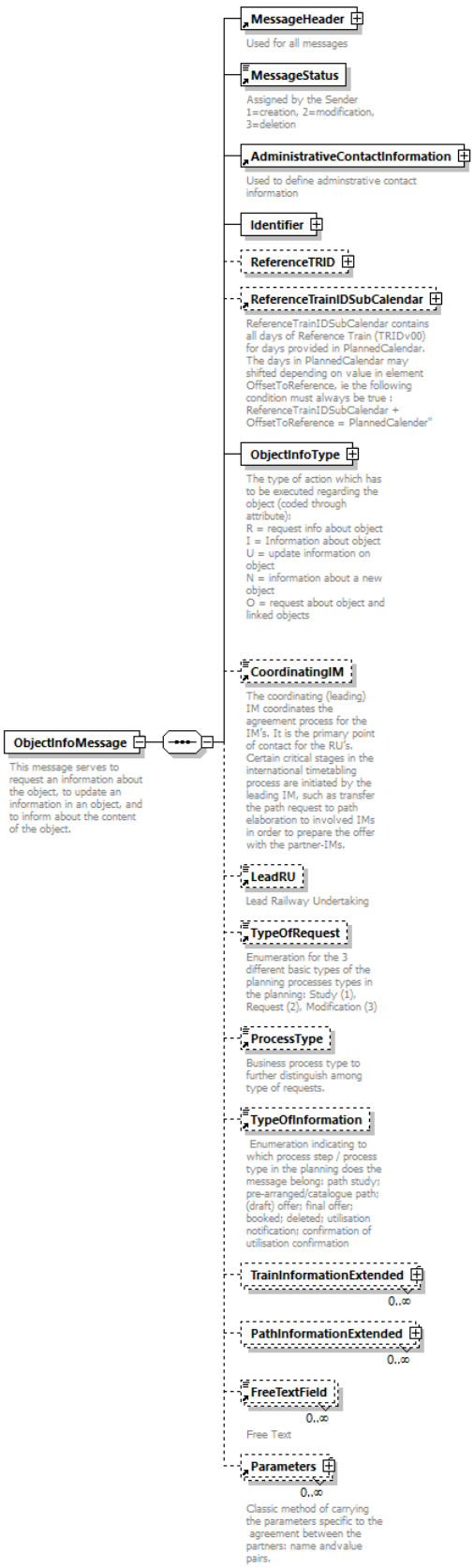
element **NumberOfVehicles**

diagram	NumberOfVehicles The sum of number of wagons and number of traction units
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	elements **PassengerTrainData** **TrainRunningTechData**
facets	Kind / Value / Annotation minInclusive 0000 maxInclusive 9999

annotation	documentation The sum of number of wagons and number of traction units
source	<xs:element name="NumberOfVehicles"> <xs:annotation> <xs:documentation>The sum of number of wagons and number of traction units</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="0000"/> <xs:maxInclusive value="9999"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ObjectInfoMessage**

diagram


ObjectInfoMessage
This message serves to request an information about the object, to update an information in an object, and to inform about the content of the object.
MessageHeader
Used for all messages
MessageStatus
Assigned by the Sender 1=creation, 2=modification, 3=deletion
AdministrativeContactInformation
Used to define adminstrative contact information
Identifier
ReferenceTRID
ReferenceTrainIDSubCalendar
ReferenceTrainIDSubCalendar contains all days of Reference Train (TRIDv00) for days provided in PlannedCalendar. The days in PlannedCalendar may shifted depending on value in element OffsetToReference, ie the following condition must always be true : ReferenceTrainIDSubCalendar + OffsetToReference = PlannedCalender"
ObjectInfoType
The type of action which has to be executed regarding the object (coded through attribute):
R = request info about object
I = Information about object
U = update information on object
N = information about a new object
O = request about object and linked objects
CoordinatingIM
The coordinating (leading) IM coordinates the agreement process for the IM's. It is the primary point of contact for the RU's. Certain critical stages in the international timetabling process are initiated by the leading IM, such as transfer the path request to path elaboration to involved IMs in order to prepare the offer with the partner-IMs.
LeadRU
Lead Railway Undertaking
TypeOfRequest
Enumeration for the 3 different basic types of the planning processes types in the planning: Study (1), Request (2), Modification (3)
ProcessType
Business process type to further distinguish among type of requests.
TypeOfInformation
Enumeration indicating to which process step / process type in the planning does the message belong: path study; pre-arranged/catalogue path; (draft) offer; final offer; booked; deleted; utilisation notification; confirmation of utilisation confirmation
TrainInformationExtended
0..∞
PathInformationExtended
0..∞
FreeTextField
0..∞
Free Text
Parameters
0..∞
Classic method of carrying the parameters specific to the agreement between the partners: name andvalue pairs.

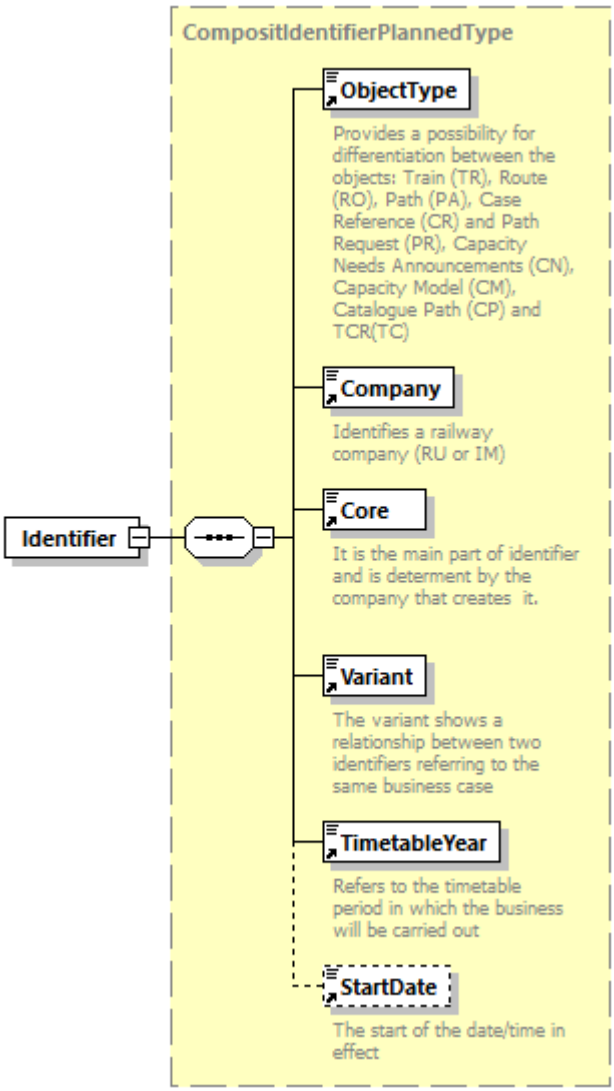
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **MessageStatus** **AdministrativeContactInformation** **Identifier** **ReferenceTRID** **ReferenceTrainIDSubCalendar** **ObjectInfoType** **CoordinatingIM** **LeadRU** **TypeOfRequest** **ProcessType** **TypeOfInformation** **TrainInformationExtended** **PathInformationExtended** **FreeTextField** **Parameters**
annotation	documentation This message serves to request an information about the object, to update an information in an object, and to inform about the content of the object.

source

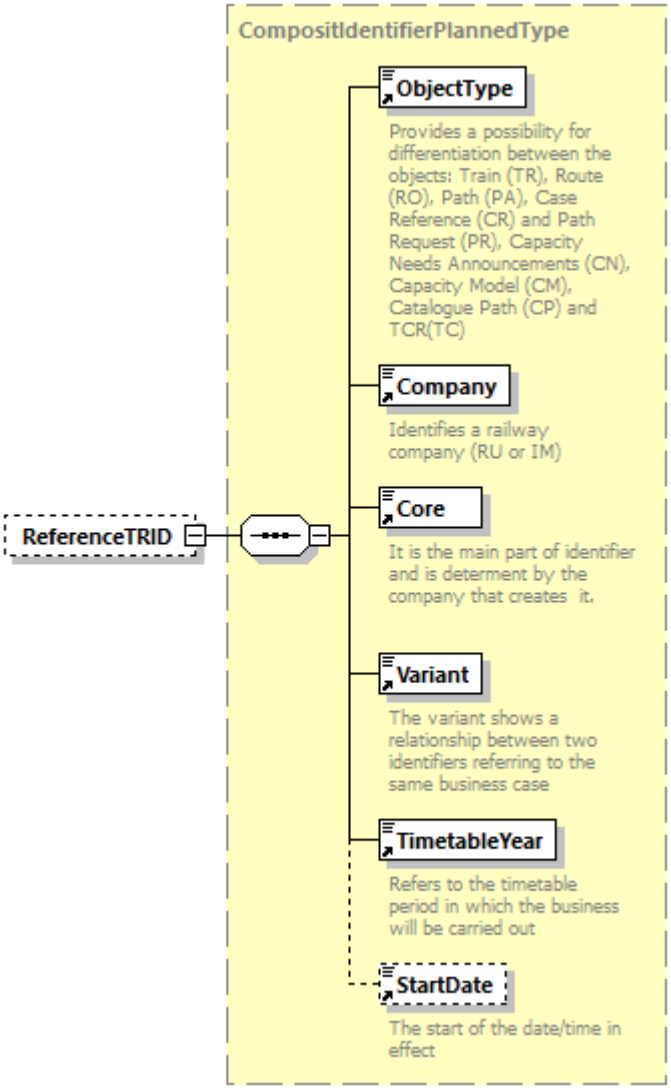
```
<xs:element name="ObjectInfoMessage">
  <xs:annotation>
    <xs:documentation>This message serves to request an information about the
object, to update an information in an object, and to inform about the content of
the object.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="MessageStatus"/>
      <xs:element ref="AdministrativeContactInformation"/>
      <xs:element name="Identifier" type="CompositIdentifierPlannedType"/>
      <xs:element name="ReferenceTRID" type="CompositIdentifierPlannedType"
minOccurs="0"/>
      <xs:element ref="ReferenceTrainIDSubCalendar" minOccurs="0"/>
      <xs:element name="ObjectInfoType">
        <xs:annotation>
          <xs:documentation>The type of action which has to be executed regarding
the object (coded through attribute):
R = request info about object
I = Information about object
U = update information on object
N = information about a new object
O = request about object and linked objects
</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:attribute name="Code" use="required">
            <xs:annotation>
              <xs:documentation>R = request info about object
I = Information about object
U = update information on object
N = information about a new object
O = request about object and linked objects</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:enumeration value="R"/>
                <xs:enumeration value="I"/>
                <xs:enumeration value="U"/>
                <xs:enumeration value="N"/>
                <xs:enumeration value="O"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:attribute>
```

```
        </xs:complexType>
      </xs:element>
      <!-- SMO CR 285 Leading agencies added to OIM -->
      <xs:element ref="CoordinatingIM" minOccurs="0"/>
      <xs:element ref="LeadRU" minOccurs="0"/>
      <xs:element ref="TypeOfRequest" minOccurs="0"/>
      <xs:element ref="ProcessType" minOccurs="0"/>
      <xs:element ref="TypeOfInformation" minOccurs="0"/>
      <!-- SMO CR 289 structure of TrainInformationExtended and
PathInformationExtended changed: reference to Identifiers replaced previous
RelatedPlannedTransportIdentifiers -->
      <xs:element name="TrainInformationExtended" minOccurs="0"
maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="Identifiers"/>
            <xs:element ref="TrainInformation"/>
            <xs:element name="PathInformationExtended" minOccurs="0"
maxOccurs="unbounded">
              <xs:complexType>
                <xs:sequence>
                  <xs:element ref="Identifiers"/>
                  <xs:element ref="PathInformation"/>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="PathInformationExtended" minOccurs="0"
maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="Identifiers"/>
            <xs:element ref="PathInformation"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element ref="FreeTextField" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="Parameters" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ObjectInfoMessage/Identifier**

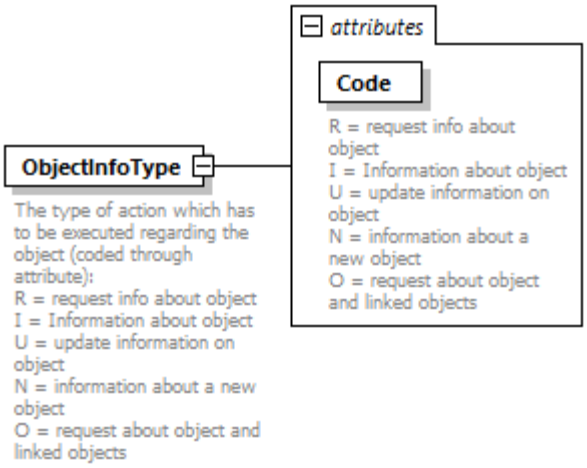
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompositIdentifierPlannedType**
properties	content complex
children	**ObjectType** **Company** **Core** **Variant** **TimetableYear** **StartDate**
source	`<xs:element name="Identifier" type="CompositIdentifierPlannedType"/>`

element **ObjectInfoMessage/ReferenceTRID**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompositIdentifierPlannedType**
properties	minOcc 0 maxOcc 1 content complex
children	**ObjectType** **Company** **Core** **Variant** **TimetableYear** **StartDate**
source	`<xs:element name="ReferenceTRID" type="CompositIdentifierPlannedType" minOccurs="0"/>`

element **ObjectInfoMessage/ObjectInfoType**

diagram



namespace: http://www.era.europa.eu/schemes/TAFTSI/3.5

properties: content complex

attributes

Name	Type	Use	Default	Fixed	Annotation
Code	**derived by: xs:string**	required			documentation R = request info about object I = Information about object U = update information on object N = information about a new object O = request about object and linked objects

annotation

documentation

The type of action which has to be executed regarding the object (coded through attribute):
R = request info about object
I = Information about object
U = update information on object
N = information about a new object
O = request about object and linked objects

source

```
<xs:element name="ObjectInfoType">
  <xs:annotation>
    <xs:documentation>The type of action which has to be executed regarding the
object (coded through attribute):
R = request info about object
I = Information about object
U = update information on object
N = information about a new object
O = request about object and linked objects
```

```
</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:attribute name="Code" use="required">
      <xs:annotation>
        <xs:documentation>R = request info about object
I = Information about object
U = update information on object
N = information about a new object
O = request about object and linked objects</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="R"/>
          <xs:enumeration value="I"/>
          <xs:enumeration value="U"/>
          <xs:enumeration value="N"/>
          <xs:enumeration value="O"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
  </xs:complexType>
</xs:element>
```

attribute **ObjectInfoMessage/ObjectInfoType/@Code**

type	restriction of **xs:string**
properties	use required
facets	Kind / Value / Annotation enumeration R enumeration I enumeration U enumeration N enumeration O
annotation	documentation R = request info about object I = Information about object U = update information on object N = information about a new object O = request about object and linked objects

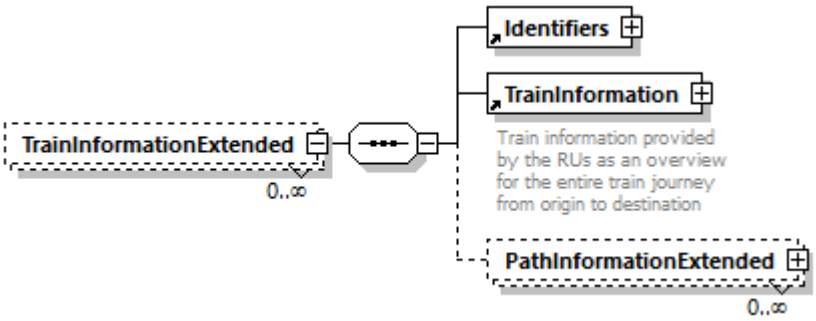
source

```
<xs:attribute name="Code" use="required">
  <xs:annotation>
    <xs:documentation>R = request info about object
I = Information about object
U = update information on object
N = information about a new object
O = request about object and linked objects</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="R"/>
      <xs:enumeration value="I"/>
```

```
      <xs:enumeration value="U"/>
      <xs:enumeration value="N"/>
      <xs:enumeration value="O"/>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>
```

element **ObjectInfoMessage/TrainInformationExtended**

diagram



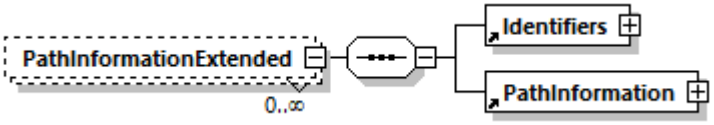
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc unbounded content complex
children	**Identifiers** **TrainInformation** **PathInformationExtended**

source

```
<xs:element name="TrainInformationExtended" minOccurs="0" maxOccurs="unbounded">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Identifiers"/>
      <xs:element ref="TrainInformation"/>
      <xs:element name="PathInformationExtended" minOccurs="0"
maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="Identifiers"/>
            <xs:element ref="PathInformation"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ObjectInfoMessage/TrainInformationExtended/PathInformationExtended**

diagram

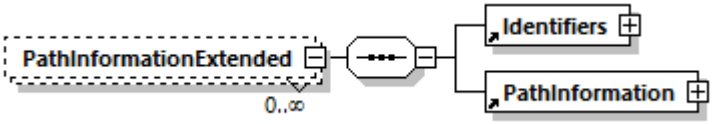


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

properties	minOcc 0 maxOcc unbounded content complex
children	**Identifiers** **PathInformation**

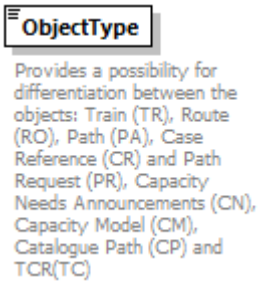
source	`<xs:element name="PathInformationExtended" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Identifiers"/>`
	`  <xs:element ref="PathInformation"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **ObjectInfoMessage/PathInformationExtended**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc unbounded content complex
children	**Identifiers** **PathInformation**

source	`<xs:element name="PathInformationExtended" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Identifiers"/>`
	`  <xs:element ref="PathInformation"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **ObjectType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple

used by	element **CapacityProductSearchCriteria/ObjectTypeSearch** complexTypes **CompositIdentifierOperationalType** **CompositIdentifierPlannedType**
facets	Kind / Value / Annotation minLength 2 maxLength 2 pattern [0-9A-Z]{2} enumeration TR enumeration RO enumeration PA enumeration CR enumeration PR enumeration CN enumeration CM enumeration CP enumeration TC
annotation	documentation Provides a possibility for differentiation between the objects: Train (TR), Route (RO), Path (PA), Case Reference (CR) and Path Request (PR), Capacity Needs Announcements (CN), Capacity Model (CM), Catalogue Path (CP) and TCR(TC)

source

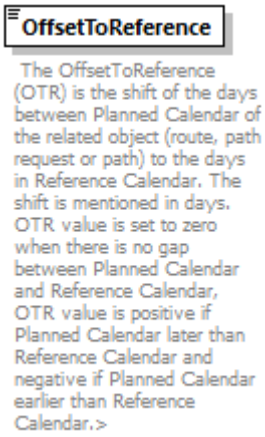
```xml
<xs:element name="ObjectType">
  <xs:annotation>
    <xs:documentation>Provides a possibility for differentiation between the objects: Train (TR), Route (RO), Path (PA), Case Reference (CR) and Path Request (PR), Capacity Needs Announcements (CN), Capacity Model (CM), Catalogue Path (CP) and TCR(TC)</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="2"/>
      <xs:maxLength value="2"/>
      <xs:pattern value="[0-9A-Z]{2}"/>
      <xs:enumeration value="TR"/>
      <xs:enumeration value="RO"/>
      <xs:enumeration value="PA"/>
      <xs:enumeration value="CR"/>
      <xs:enumeration value="PR"/>
      <xs:enumeration value="CN"/>
      <xs:enumeration value="CM"/>
      <xs:enumeration value="CP"/>
      <xs:enumeration value="TC"/>
      <!-- Sector Schema TCR Part Begin -->
      <!-- Sector Schema TCR Part End -->
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Offset**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	**xs:integer**
properties	content simple
used by	element **TimingAtLocation/Timing** complexType **TimeAndOffset**
source	`<xs:element name="Offset" type="xs:integer"/>`

element **OffsetToReference**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:integer**
properties	content simple
used by	element **PlannedCalendar**
annotation	documentation The OffsetToReference (OTR) is the shift of the days between Planned Calendar of the related object (route, path request or path) to the days in Reference Calendar. The shift is mentioned in days. OTR value is set to zero when there is no gap between Planned Calendar and Reference Calendar, OTR value is positive if Planned Calendar later than Reference Calendar and negative if Planned Calendar earlier than Reference Calendar.>
source	`<xs:element name="OffsetToReference" type="xs:integer">` `  <xs:annotation>` ` <xs:documentation> The OffsetToReference (OTR) is the shift of the days between Planned Calendar of the related object (route, path request or path) to the days in Reference Calendar. The shift is mentioned in days. OTR value is set to zero when there is no gap between Planned Calendar and Reference Calendar, OTR value is positive if Planned Calendar later than Reference Calendar and negative if Planned Calendar earlier than Reference Calendar.></xs:documentation>` ` </xs:annotation>` `</xs:element>`

element **OnDemandPath**

diagram	**OnDemandPath** For the use of on demand or optional path (has to be either activated or deactived depending to network rules)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
used by	element **PlannedJourneyLocation**
annotation	documentation For the use of on demand or optional path (has to be either activated or deactived depending to network rules)

source	`<xs:element name="OnDemandPath" type="xs:boolean">`
	`  <xs:annotation>`
	`  <xs:documentation>For the use of on demand or optional path (has to be either activated or deactived depending to network rules)</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

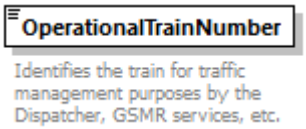
element **OperationalTrainCouplingStrength**

diagram	**OperationalTrainCouplingStrength** OperationalTrainCouplingStrength expressed in kN. The operational strength of the train coupling is a crucial technical characteristic for the determination of a freight train's tonnage rating
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	element **PlannedTrainTechnicalData**
facets	Kind Value Annotation minInclusive 1 maxInclusive 9999
annotation	documentation OperationalTrainCouplingStrength expressed in kN. The operational strength of the train coupling is a crucial technical characteristic for the determination of a freight train's tonnage rating

source	`<xs:element name="OperationalTrainCouplingStrength">`
	`  <xs:annotation>`
	`  <xs:documentation> OperationalTrainCouplingStrength expressed in kN. The operational strength of the train coupling is a crucial technical characteristic for the determination of a freight train's tonnage rating </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="9999"/>`

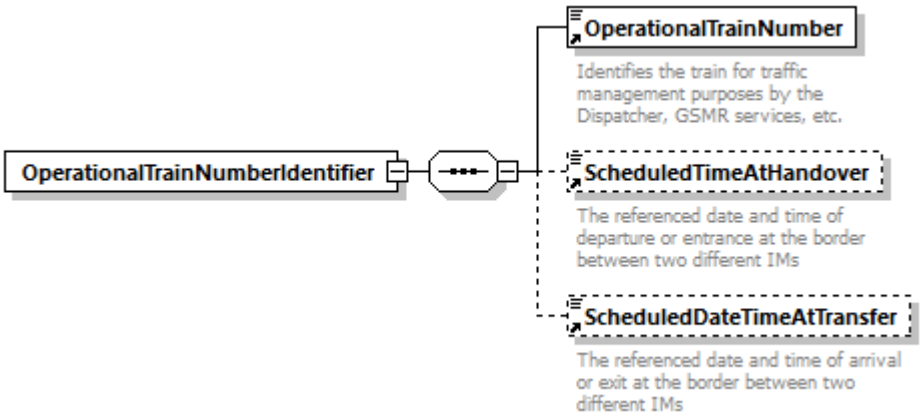
```
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **OperationalTrainNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**String1-8**
properties	content simple
used by	elements **OperationalTrainNumberIdentifier** **WagonStatusMessages/WagonStatusMessage/Train/OperationalTrainNumberIdentifier** **PlannedJourneyLocation** **WagonInterchangeNoticeMessage** **WagonInterchangeSubNoticeMessage** complexType **CapacityModelType**
facets	Kind Value Annotation minLength 1 maxLength 8
annotation	documentation Identifies the train for traffic management purposes by the Dispatcher, GSMR services, etc.

source	`<xs:element name="OperationalTrainNumber" type="String1-8">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the train for traffic management purposes by the Dispatcher, GSMR services, etc.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

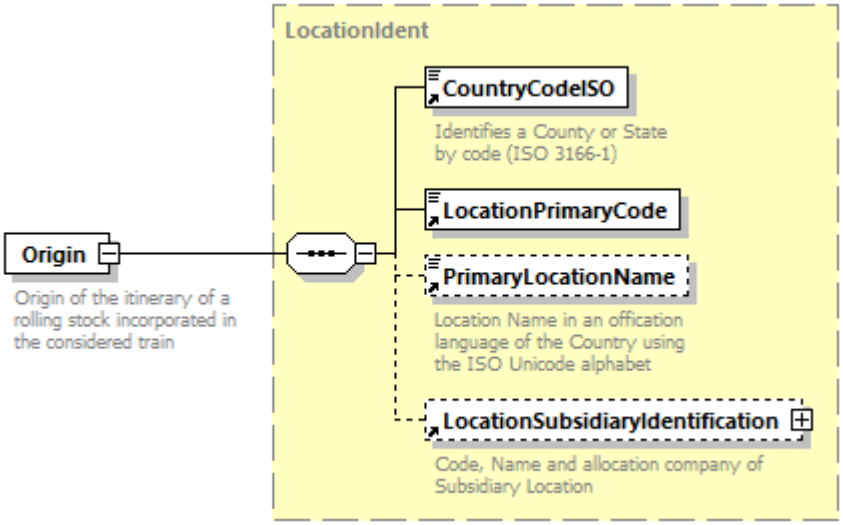
element **OperationalTrainNumberIdentifier**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**OperationalTrainNumber** **ScheduledTimeAtHandover** **ScheduledDateTimeAtTransfer**

used by	elements **AffectedLocation** **AffectedSection** **ChangeOfTrackMessage** **PassengerTrainCompositionMessage** **ReferenceOTN** **RollingStockRestrictionMessage** **TrainAtLocation** **TrainCompositionMessage** **TrainDelayCauseMessage** **TrainForecastedDelayCauseMessage** **TrainJourneyModificationMessage** **TrainReadyMessage** **TrainRunningForecastMessage** **TrainRunningInformationMessage** **TrainRunningInterruptionMessage** **RunningStatusReportMessage/TransportDeviceID**

source	`<xs:element name="OperationalTrainNumberIdentifier">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="OperationalTrainNumber"/>`
	`  <xs:element ref="ScheduledTimeAtHandover" minOccurs="0"/>`
	`  <xs:element ref="ScheduledDateTimeAtTransfer" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **Origin**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	element **ItineraryOfUnit**
annotation	documentation Origin of the itinerary of a rolling stock incorporated in the considered train

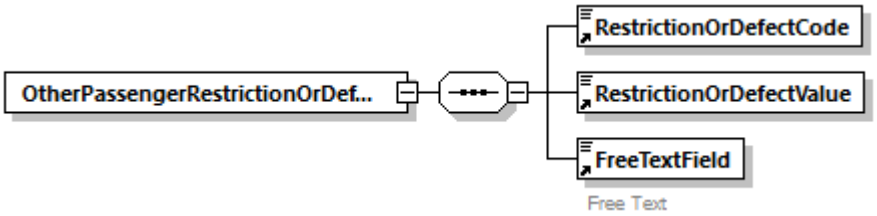
source	`<xs:element name="Origin" type="LocationIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>Origin of the itinerary of a rolling stock incorporated in the considered train</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **OriginCountry**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **CountryIdentISO**
properties	content simple
used by	elements **ILU_Details** **ITU_Details** **Wagons/WagonDetails**
facets	Kind / Value / Annotation minLength 2 maxLength 2 pattern [A-Z][A-Z]
annotation	documentation Code of origin country of the UTI. documentation CODE: ISO-3166-2

source	`<xs:element name="OriginCountry">`
	`  <xs:annotation>`
	`  <xs:documentation>Code of origin country of the UTI.</xs:documentation>`
	`  <xs:documentation>CODE: ISO-3166-2</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="CountryIdentISO">`
	`  <xs:pattern value="[A-Z][A-Z]"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **OtherPassengerRestrictionOrDefect**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**RestrictionOrDefectCode** **RestrictionOrDefectValue** **FreeTextField**

source	`<xs:element name="OtherPassengerRestrictionOrDefect">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="RestrictionOrDefectCode"/>`
	`  <xs:element ref="RestrictionOrDefectValue"/>`
	`  <xs:element ref="FreeTextField"/>`

```
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **OverhaulValidityPeriod**

diagram	**OverhaulValidityPeriod** Validity period of last overhaul in years as marked on the wagon
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind Value Annotation minInclusive 1 maxExclusive 20
annotation	documentation Validity period of last overhaul in years as marked on the wagon

source

```
<xs:element name="OverhaulValidityPeriod">
  <xs:annotation>
    <xs:documentation>Validity period of last overhaul in years as marked on the
wagon</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="1"/>
      <xs:maxExclusive value="20"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **PackingGroup**

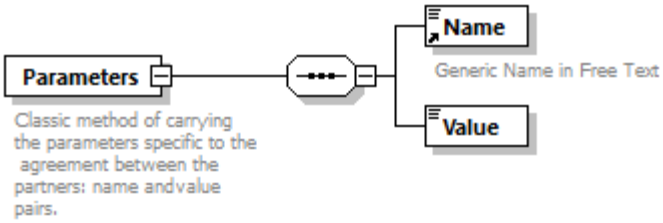
diagram	**PackingGroup** The Packing Group according to the RID chapter 3.2, table A, column 4. Possible values are "I", "II" or "III", otherwise the Packing Group have to be omitted. Mandatory, if it's foreseen in column 4, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE <=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING".
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	restriction of **xs:token**
properties	content simple
used by	elements **RID** **SummaryOFGoodsWithSameRID** complexType **DanGoodsType**
facets	Kind / Value / Annotation enumeration I — documentation: High danger enumeration II — documentation: Medium danger enumeration III — documentation: Low danger
annotation	documentation The Packing Group according to the RID chapter 3.2, table A, column 4. Possible values are "I", "II" or "III", otherwise the Packing Group have to be omitted. Mandatory, if it's foreseen in column 4, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE <=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING".

source

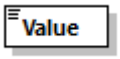
```
<xs:element name="PackingGroup">
  <xs:annotation>
    <xs:documentation>The Packing Group according to the RID chapter 3.2, table A, column 4. Possible values are "I", "II" or "III", otherwise the Packing Group have to be omitted. Mandatory, if it's foreseen in column 4, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE &lt;=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING".</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="I">
        <xs:annotation>
          <xs:documentation>High danger</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="II">
        <xs:annotation>
          <xs:documentation>Medium danger</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="III">
        <xs:annotation>
          <xs:documentation>Low danger</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Parameters**

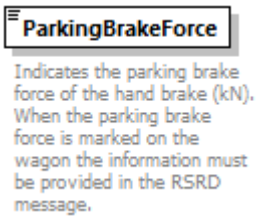
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Name** **Value**
used by	elements **ObjectInfoMessage** **PassengerTrainCompositionJourneySection** **PassengerTrainCompositionMessage** **UnitData** **UpdateLinkMessage**
annotation	documentation Classic method of carrying the parameters specific to the agreement between the partners: name andvalue pairs.

source	`<xs:element name="Parameters">`
	`  <xs:annotation>`
	`  <xs:documentation>Classic method of carrying the parameters specific to the agreement between the partners: name andvalue pairs.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Name"/>`
	`  <!-- Sector schema: CR 135 -->`
	`  <xs:element name="Value" type="FreeText"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **Parameters/Value**

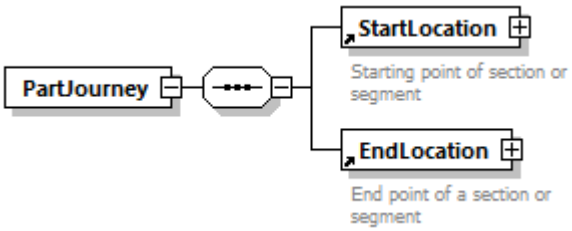
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
used by	elements **Height** **Length** **Width**
facets	Kind Value Annotation minLength 1 maxLength 255
source	`<xs:element name="Value" type="FreeText"/>`

element **ParkingBrakeForce**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:decimal**
properties	content simple
used by	elements **HandBrake** **WagonTechData**
facets	Kind Value Annotation totalDigits 5 fractionDigits 1
annotation	documentation Indicates the parking brake force of the hand brake (kN). When the parking brake force is marked on the wagon the information must be provided in the RSRD message.

source	`<xs:element name="ParkingBrakeForce">`
	`  <xs:annotation>`
	`  <xs:documentation>Indicates the parking brake force of the hand brake (kN). When the parking brake force is marked on the wagon the information must be provided in the RSRD message.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:decimal">`
	`  <xs:totalDigits value="5"/>`
	`  <xs:fractionDigits value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **PartJourney**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**StartLocation** **EndLocation**
source	`<xs:element name="PartJourney">` `  <xs:complexType>`

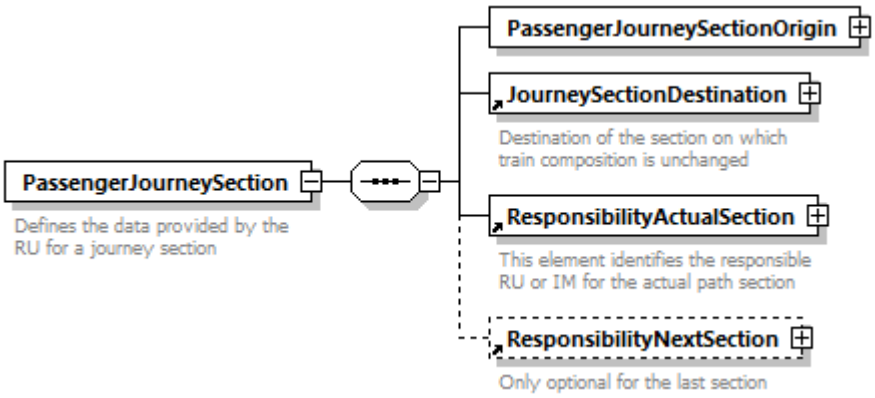
```
    <xs:sequence>
      <xs:element ref="StartLocation"/>
      <xs:element ref="EndLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **PassengerFlag**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
used by	element **LocationPrimaryInformation**
annotation	documentation Identifies that the Entity or Location is for Passenger Activity

source	`<xs:element name="PassengerFlag" type="xs:boolean">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies that the Entity or Location is for Passenger Activity</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **PassengerJourneySection**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**PassengerJourneySectionOrigin** **JourneySectionDestination** **ResponsibilityActualSection** **ResponsibilityNextSection**
used by	element **PassengerTrainCompositionJourneySection**
annotation	documentation

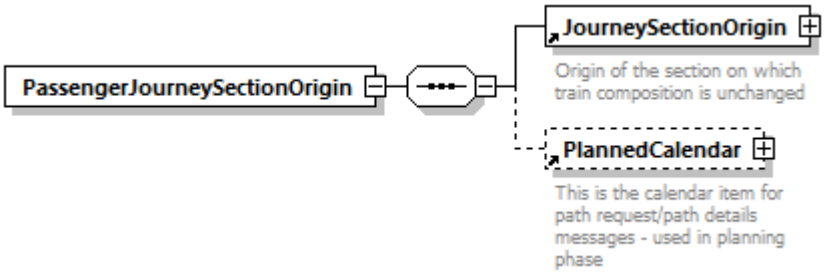
	Defines the data provided by the RU for a journey section

source

```
<xs:element name="PassengerJourneySection">
  <xs:annotation>
    <xs:documentation>Defines the data provided by the RU for a journey
section</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="PassengerJourneySectionOrigin">
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="JourneySectionOrigin"/>
            <xs:element ref="PlannedCalendar" minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element ref="JourneySectionDestination"/>
      <xs:element ref="ResponsibilityActualSection"/>
      <xs:element ref="ResponsibilityNextSection" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Only optional for the last section</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **PassengerJourneySection/PassengerJourneySectionOrigin**

diagram

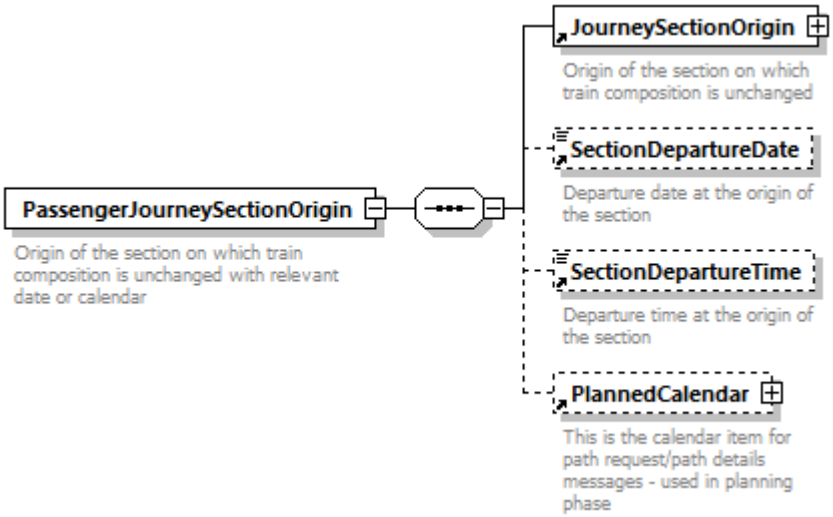


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	JourneySectionOrigin PlannedCalendar

source

```
<xs:element name="PassengerJourneySectionOrigin">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="JourneySectionOrigin"/>
      <xs:element ref="PlannedCalendar" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **PassengerJourneySectionOrigin**

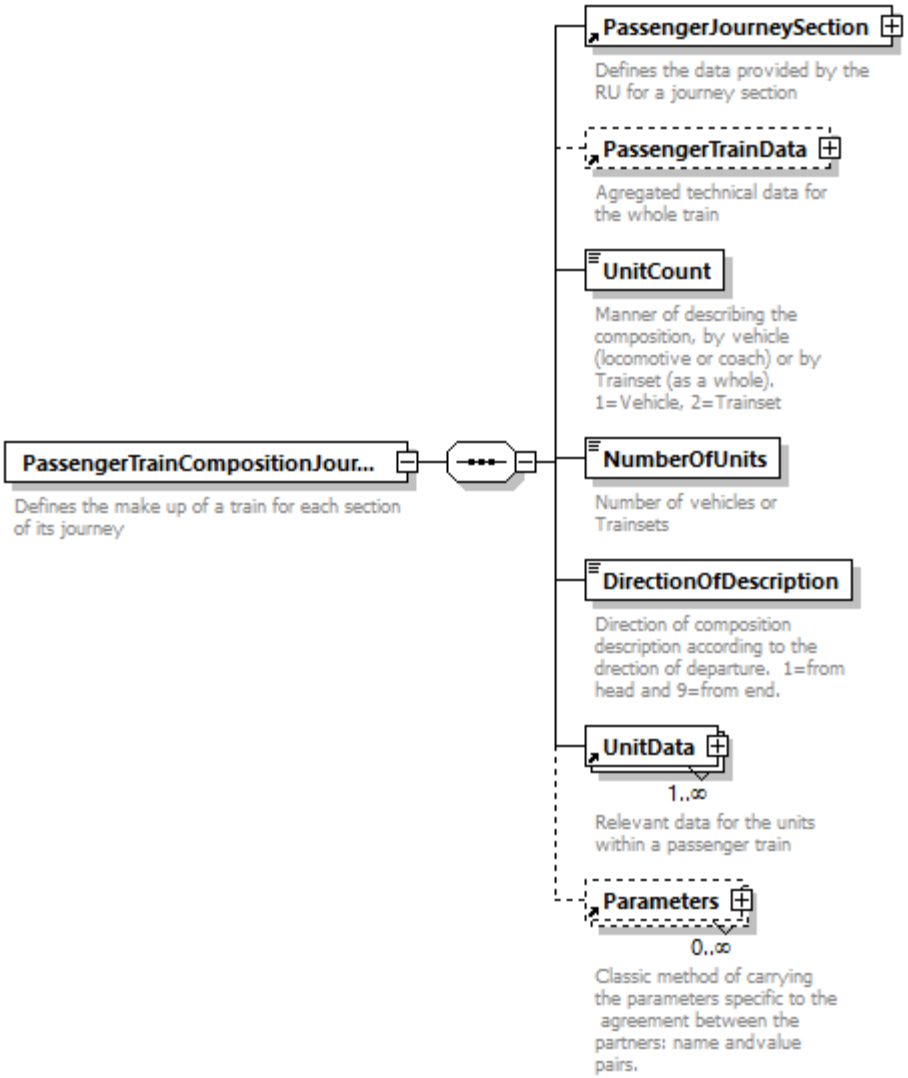
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**JourneySectionOrigin** **SectionDepartureDate** **SectionDepartureTime** **PlannedCalendar**
annotation	documentation Origin of the section on which train composition is unchanged with relevant date or calendar

source

```
<xs:element name="PassengerJourneySectionOrigin">
  <xs:annotation>
    <xs:documentation>Origin of the section on which train composition is unchanged
with relevant date or calendar</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="JourneySectionOrigin"/>
      <xs:element ref="SectionDepartureDate" minOccurs="0"/>
      <xs:element ref="SectionDepartureTime" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Departure time at the origin of the
section</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="PlannedCalendar" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **PassengerTrainCompositionJourneySection**

diagram



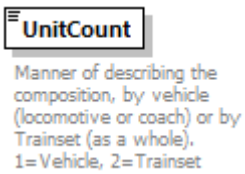
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**PassengerJourneySection** **PassengerTrainData** **UnitCount** **NumberOfUnits** **DirectionOfDescription** **UnitData** **Parameters**
used by	element **PassengerTrainCompositionMessage**
annotation	documentation Defines the make up of a train for each section of its journey

source

```
<xs:element name="PassengerTrainCompositionJourneySection">
  <xs:annotation>
    <xs:documentation>Defines the make up of a train for each section of its
journey</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="PassengerJourneySection"/>
      <xs:element ref="PassengerTrainData" minOccurs="0"/>
```

```
      <xs:element name="UnitCount">
        <xs:annotation>
          <xs:documentation>Manner of describing the composition, by vehicle
(locomotive or coach) or by Trainset (as a whole). 1=Vehicle,
2=Trainset</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:integer">
            <xs:enumeration value="1"/>
            <xs:enumeration value="2"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="NumberOfUnits" type="xs:integer">
        <xs:annotation>
          <xs:documentation>Number of vehicles or Trainsets</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="DirectionOfDescription">
        <xs:annotation>
          <xs:documentation>Direction of composition description according to the
drection of departure.  1=from head and 9=from end.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:integer">
            <xs:enumeration value="1"/>
            <xs:enumeration value="9"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="UnitData" maxOccurs="unbounded"/>
      <!-- Sector CR 254 start -->
      <xs:element ref="Parameters" minOccurs="0" maxOccurs="unbounded"/>
      <!-- Sector CR 254 end -->
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

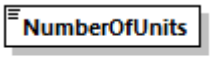
element **PassengerTrainCompositionJourneySection/UnitCount**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
facets	Kind: enumeration; Value: 1; Annotation

	enumeration 2
annotation	documentation Manner of describing the composition, by vehicle (locomotive or coach) or by Trainset (as a whole). 1=Vehicle, 2=Trainset

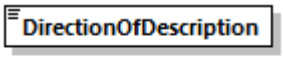
source	`<xs:element name="UnitCount">`
	`  <xs:annotation>`
	`  <xs:documentation>Manner of describing the composition, by vehicle (locomotive or coach) or by Trainset (as a whole). 1=Vehicle, 2=Trainset</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:enumeration value="1"/>`
	`  <xs:enumeration value="2"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **PassengerTrainCompositionJourneySection/NumberOfUnits**

diagram	 Number of vehicles or Trainsets
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:integer**
properties	content simple
annotation	documentation Number of vehicles or Trainsets

source	`<xs:element name="NumberOfUnits" type="xs:integer">`
	`  <xs:annotation>`
	`  <xs:documentation>Number of vehicles or Trainsets</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

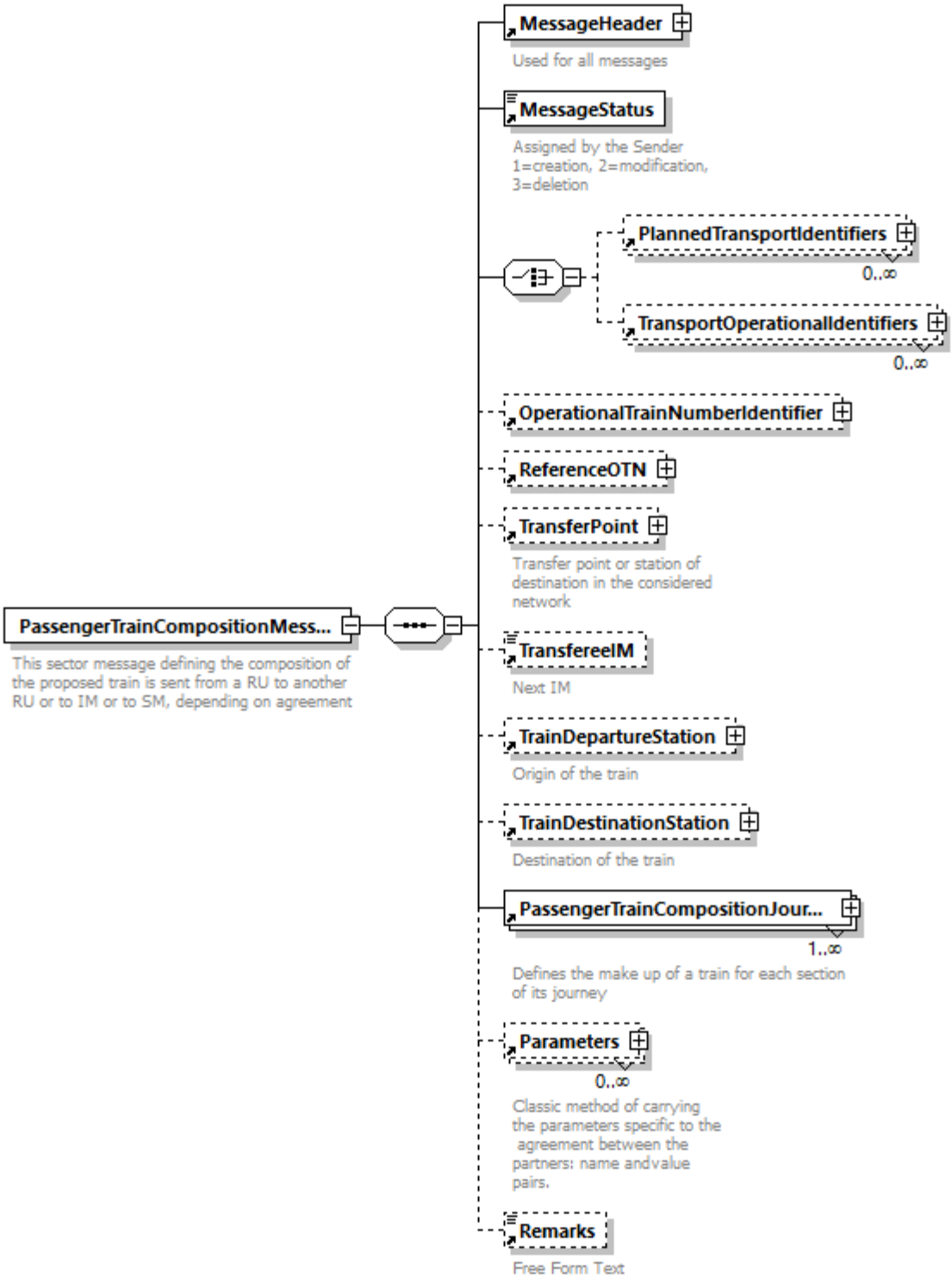
element **PassengerTrainCompositionJourneySection/DirectionOfDescription**

diagram	 Direction of composition description according to the direction of departure. 1=from head and 9=from end.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
facets	Kind Value Annotation enumeration 1 enumeration 9

annotation	documentation Direction of composition description according to the drection of departure. 1=from head and 9=from end.
source	<xs:element name="DirectionOfDescription"> <xs:annotation> <xs:documentation>Direction of composition description according to the drection of departure. 1=from head and 9=from end.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="1"/> <xs:enumeration value="9"/> </xs:restriction> </xs:simpleType> </xs:element>

element **PassengerTrainCompositionMessage**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **MessageStatus** **PlannedTransportIdentifiers** **TransportOperationalIdentifiers** **OperationalTrainNumberIdentifier** **ReferenceOTN** **TransferPoint** **TransfereeIM** **TrainDepartureStation**

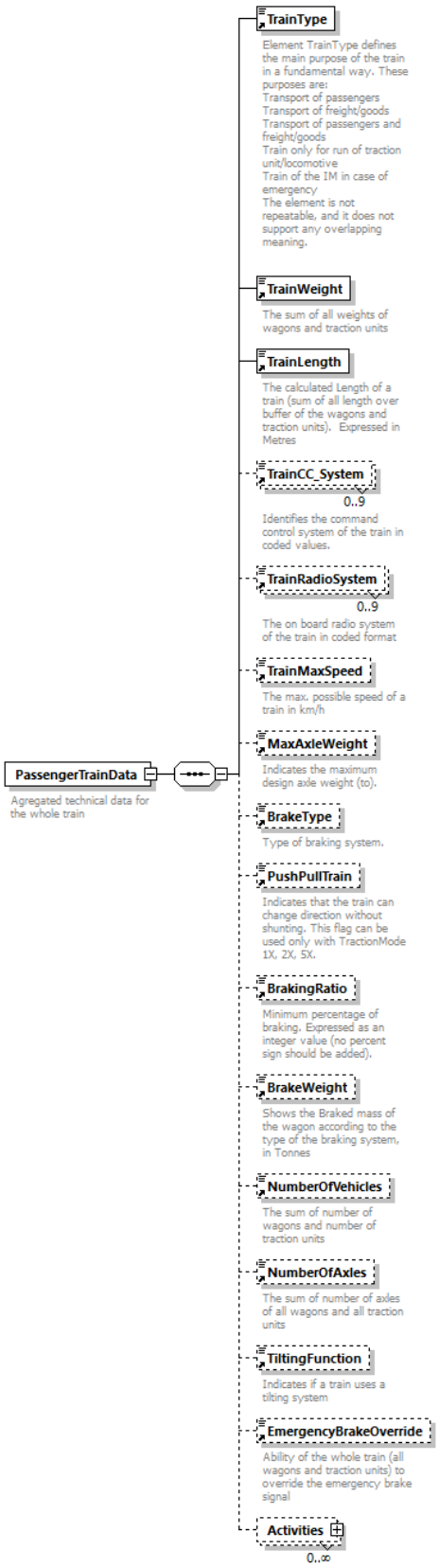
	TrainDestinationStation PassengerTrainCompositionJourneySection Parameters Remarks
annotation	documentation This sector message defining the composition of the proposed train is sent from a RU to another RU or to IM or to SM, depending on agreement

source

```
<xs:element name="PassengerTrainCompositionMessage">
  <xs:annotation>
    <xs:documentation>This sector message defining the composition of the proposed
train is sent from a RU to another RU or to IM or to SM, depending on
agreement</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="MessageStatus"/>
      <xs:choice>
        <xs:element ref="PlannedTransportIdentifiers" minOccurs="0"
maxOccurs="unbounded"/>
        <xs:element ref="TransportOperationalIdentifiers" minOccurs="0"
maxOccurs="unbounded"/>
      </xs:choice>
      <xs:element ref="OperationalTrainNumberIdentifier" minOccurs="0"/>
      <xs:element ref="ReferenceOTN" minOccurs="0"/>
      <xs:element ref="TransferPoint" minOccurs="0"/>
      <xs:element ref="TransfereeIM" minOccurs="0"/>
      <xs:element ref="TrainDepartureStation" minOccurs="0"/>
      <xs:element ref="TrainDestinationStation" minOccurs="0"/>
      <xs:element ref="PassengerTrainCompositionJourneySection"
maxOccurs="unbounded"/>
      <xs:element ref="Parameters" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="Remarks" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **PassengerTrainData**

diagram

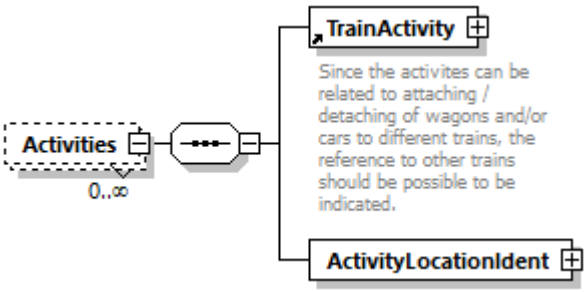


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**TrainType** **TrainWeight** **TrainLength** **TrainCC_System** **TrainRadioSystem** **TrainMaxSpeed** **MaxAxleWeight** **BrakeType** **PushPullTrain** **BrakingRatio** **BrakeWeight** **NumberOfVehicles** **NumberOfAxles** **TiltingFunction** **EmergencyBrakeOverride** **Activities**
used by	element **PassengerTrainCompositionJourneySection**
annotation	documentation Agregated technical data for the whole train

source

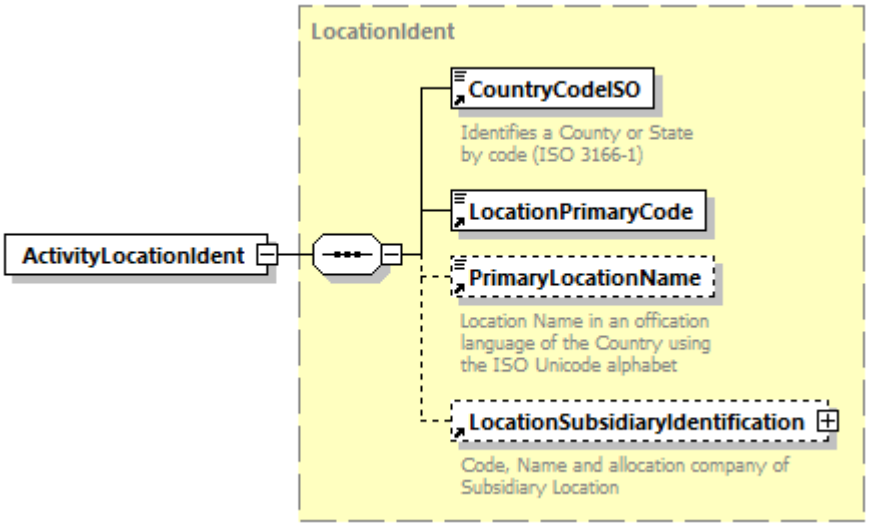
```
<xs:element name="PassengerTrainData">
  <xs:annotation>
    <xs:documentation>Agregated technical data for the whole
train</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="TrainType"/>
      <xs:element ref="TrainWeight"/>
      <xs:element ref="TrainLength"/>
      <xs:element ref="TrainCC_System" minOccurs="0" maxOccurs="9"/>
      <xs:element ref="TrainRadioSystem" minOccurs="0" maxOccurs="9"/>
      <xs:element ref="TrainMaxSpeed" minOccurs="0"/>
      <xs:element ref="MaxAxleWeight" minOccurs="0"/>
      <xs:element ref="BrakeType" minOccurs="0"/>
      <xs:element ref="PushPullTrain" minOccurs="0"/>
      <xs:element ref="BrakingRatio" minOccurs="0"/>
      <xs:element ref="BrakeWeight" minOccurs="0"/>
      <xs:element ref="NumberOfVehicles" minOccurs="0"/>
      <xs:element ref="NumberOfAxles" minOccurs="0"/>
      <xs:element ref="TiltingFunction" minOccurs="0"/>
      <xs:element ref="EmergencyBrakeOverride" minOccurs="0"/>
      <!-- Sector CR 253 start -->
      <xs:element name="Activities" minOccurs="0" maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="TrainActivity"/>
            <xs:element name="ActivityLocationIdent" type="LocationIdent"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <!-- Sector CR 253 end -->
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **PassengerTrainData/Activities**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc unbounded content complex
children	**TrainActivity** **ActivityLocationIdent**

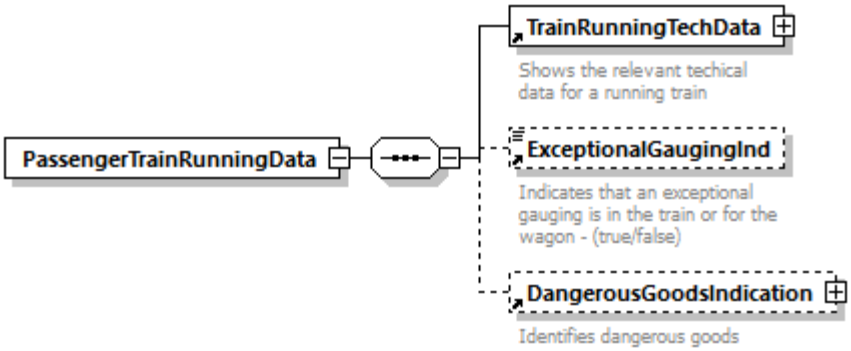
source	`<xs:element name="Activities" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="TrainActivity"/>`
	`  <xs:element name="ActivityLocationIdent" type="LocationIdent"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **PassengerTrainData/Activities/ActivityLocationIdent**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**

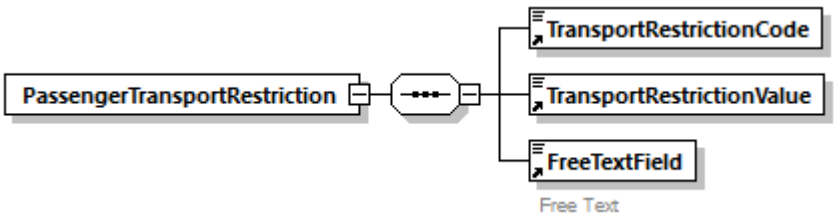
source	`<xs:element name="ActivityLocationIdent" type="LocationIdent"/>`

element **PassengerTrainRunningData**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**TrainRunningTechData** **ExceptionalGaugingInd** **DangerousGoodsIndication**

source	`<xs:element name="PassengerTrainRunningData">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="TrainRunningTechData"/>`
	`  <xs:element ref="ExceptionalGaugingInd" minOccurs="0"/>`
	`  <xs:element ref="DangerousGoodsIndication" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **PassengerTransportRestriction**

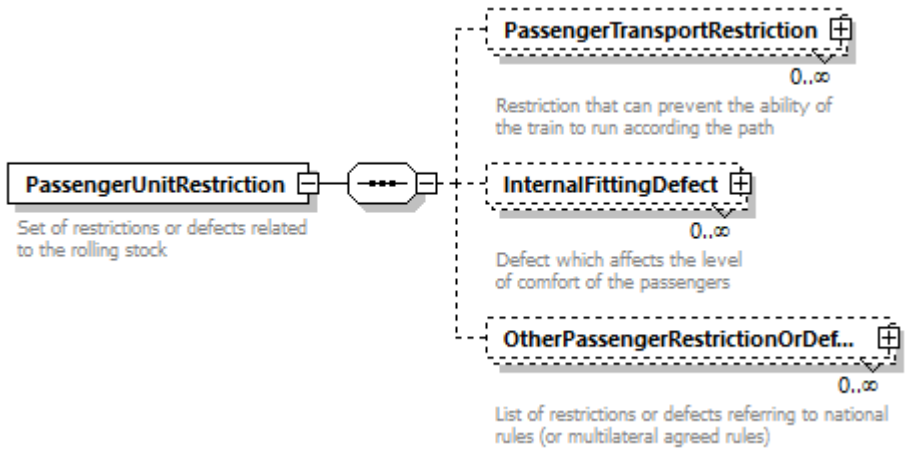
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**TransportRestrictionCode** **TransportRestrictionValue** **FreeTextField**

source	`<xs:element name="PassengerTransportRestriction">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="TransportRestrictionCode"/>`
	`  <xs:element ref="TransportRestrictionValue"/>`
	`  <xs:element ref="FreeTextField"/>`

```
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **PassengerUnitRestriction**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**PassengerTransportRestriction** **InternalFittingDefect** **OtherPassengerRestrictionOrDefect**
used by	elements **RollingStockRestrictionMessage** **UnitData**
annotation	documentation Set of restrictions or defects related to the rolling stock

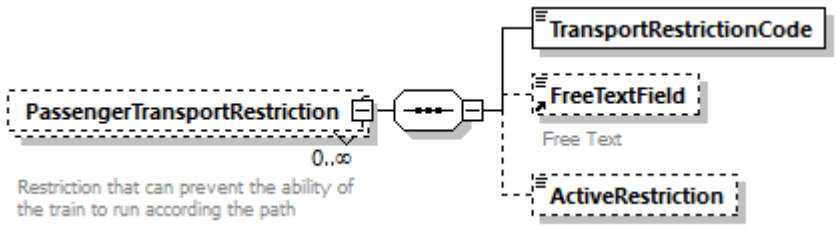
source

```
<xs:element name="PassengerUnitRestriction">
  <xs:annotation>
    <xs:documentation>Set of restrictions or defects related to the rolling
stock</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="PassengerTransportRestriction" minOccurs="0"
maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>Restriction that can prevent the ability of the train
to run according the path</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="TransportRestrictionCode" type="RestrictionCodes"/>
            <xs:element ref="FreeTextField" minOccurs="0"/>
            <xs:element name="ActiveRestriction" type="xs:boolean"
minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="InternalFittingDefect" minOccurs="0"
maxOccurs="unbounded">
```

```
        <xs:annotation>
          <xs:documentation>Defect which affects the level of comfort of the
passengers</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="InternalFittingDefectCode"
type="InternalFittingDefectCode"/>
            <xs:element ref="FreeTextField" minOccurs="0"/>
            <xs:element name="ActiveRestriction" type="xs:boolean"
minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="OtherPassengerRestrictionOrDefect" minOccurs="0"
maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>List of restrictions or defects referring to national
rules (or multilateral agreed rules)</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="RestrictionOrDefectCode">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:minLength value="4"/>
                  <xs:maxLength value="4"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="RestrictionOrDefectValue" type="xs:string"
minOccurs="0"/>
            <xs:element ref="FreeTextField" minOccurs="0"/>
            <xs:element name="ActiveRestriction" type="xs:boolean"
minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **PassengerUnitRestriction/PassengerTransportRestriction**

diagram



namespace http://www.era.europa.eu/schemes/TAFTSI/3.5

properties	minOcc 0 maxOcc unbounded content complex
children	**TransportRestrictionCode** **FreeTextField** **ActiveRestriction**
annotation	documentation Restriction that can prevent the ability of the train to run according the path

source	`<xs:element name="PassengerTransportRestriction" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:annotation>`
	`  <xs:documentation>Restriction that can prevent the ability of the train to run according the path</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="TransportRestrictionCode" type="RestrictionCodes"/>`
	`  <xs:element ref="FreeTextField" minOccurs="0"/>`
	`  <xs:element name="ActiveRestriction" type="xs:boolean" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **PassengerUnitRestriction/PassengerTransportRestriction/TransportRestrictionCode**

diagram	TransportRestrictionCode
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**RestrictionCodes**
properties	content simple
used by	element **PassengerTransportRestriction**
facets	Kind / Value / Annotation enumeration 07 documentation F - Shunt only when hand brake operable with ground staff enumeration 08 documentation F - Tank wagon loaded with liquid enumeration 09 documentation F - Wagon loaded with people enumeration 11 documentation F - Wagon other than bogie wagon with wheelbase of more than 9 metres enumeration 12 documentation F - Bogie wagon with distance between wheels of more than 14 metres and up to and including a distance of 17,50 metres enumeration 13 documentation F - Bogie wagon with distance between wheels of more than 17,50 metres enumeration 15 documentation F - Wagon not allowed over the hump enumeration 16 documentation F - Do not fly shunt or gravity shunt (3 red triangles) enumeration 18 documentation F - Must not use active braking equipment enumeration 25 documentation F - Gas carrying tank wagon with orange side stripe enumeration 30 documentation

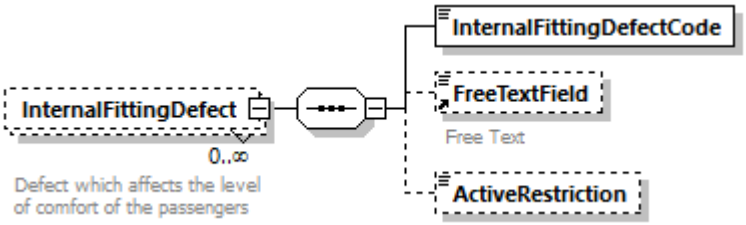
			P (+F) - CCS fault (see CCS coding list)
	enumeration	31	documentation P (+F) - Braking system fault
	enumeration	32	documentation P (+F) - Wheelset, bogie fault
	enumeration	33	documentation P (+F) - Headlighting or back lighting fault
	enumeration	34	documentation P (+F) - Front glass broken
	enumeration	35	documentation P (+F) - Horn fault
	enumeration	36	documentation P (+F) - Radio fault
	enumeration	37	documentation P (+F) - Energy supply fault
	enumeration	38	documentation P (+F) - Traction or motor fault
	enumeration	39	documentation P - Access door fault
	enumeration	41	documentation F - Place this wagon at the front of the train
	enumeration	42	documentation F - Place this wagon at the rear of the train
	enumeration	50	documentation P (+F) - Speed restriction
	enumeration	52	documentation P (+F) - Diesel locomotive instead of electric locomotive
	enumeration	61	documentation F - Wagon forming part of a consignment of several wagons
	enumeration	62	documentation F - Wagon forming part of a group of wagons from which it must not be separated
	enumeration	63	documentation F (+P) - Special consignment or (for Passengers trains) loading/cinematic gauge larger than the planned one
	enumeration	68	documentation F - First or last wagon of a wagon group from which it must not be separated
	enumeration	70	documentation F - Shunt with care (1 red triangle)
	enumeration	71	documentation F - Shunt with special care (2 red triangle)
	enumeration	90	documentation P - Train planned with passengers operated without passengers
	enumeration	91	documentation P - Train planned without passengers operated with passengers
	enumeration	92	documentation P - Train planned with hauled rolling stock and operated without any coaches (light engine)
	enumeration	94	documentation F - Gas carrying wagon without orange side stripe
	enumeration	99	documentation P - Other
source	<xs:element name="TransportRestrictionCode" type="RestrictionCodes"/>		

element **PassengerUnitRestriction/PassengerTransportRestriction/ActiveRestriction**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="ActiveRestriction" type="xs:boolean" minOccurs="0"/>`

element **PassengerUnitRestriction/InternalFittingDefect**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc unbounded content complex
children	**InternalFittingDefectCode** **FreeTextField** **ActiveRestriction**
annotation	documentation Defect which affects the level of comfort of the passengers

source	`<xs:element name="InternalFittingDefect" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:annotation>`
	`  <xs:documentation>Defect which affects the level of comfort of the passengers</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="InternalFittingDefectCode" type="InternalFittingDefectCode"/>`
	`  <xs:element ref="FreeTextField" minOccurs="0"/>`
	`  <xs:element name="ActiveRestriction" type="xs:boolean" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **PassengerUnitRestriction/InternalFittingDefect/InternalFittingDefectCode**

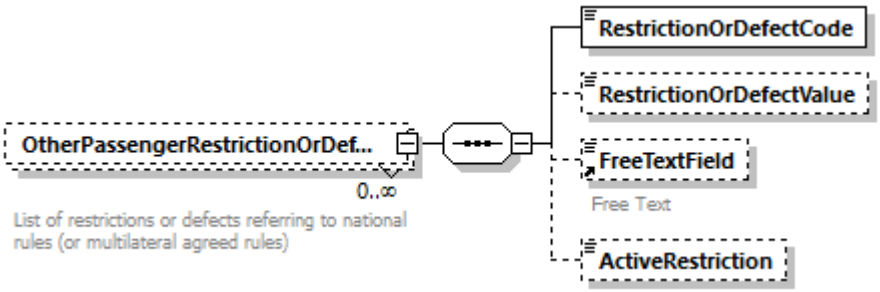
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**InternalFittingDefectCode**
properties	content simple
facets	Kind: enumeration Value: 01 Annotation: documentation Lighting (totally out)

	enumeration 02 documentation Window pane broken enumeration 03 documentation Intercom fault enumeration 04 documentation Public-address system (incl. WiFi) fault enumeration 05 documentation Seats, berths enumeration 06 documentation Heating, air conditioning enumeration 07 documentation Toilets enumeration 08 documentation Water supply enumeration 09 documentation Bar/Restaurant equipments enumeration 10 documentation Spotting enumeration 11 documentation No reservation signs in the vehicle enumeration 12 documentation Facilities for bike transport missing/limited enumeration 13 documentation PRM accessible device missing/out of order enumeration 99 documentation Other
source	`<xs:element name="InternalFittingDefectCode" type="InternalFittingDefectCode"/>`

element **PassengerUnitRestriction/InternalFittingDefect/ActiveRestriction**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="ActiveRestriction" type="xs:boolean" minOccurs="0"/>`

element **PassengerUnitRestriction/OtherPassengerRestrictionOrDefect**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

properties	minOcc 0 maxOcc unbounded content complex
children	**RestrictionOrDefectCode** **RestrictionOrDefectValue** **FreeTextField** **ActiveRestriction**
annotation	documentation List of restrictions or defects referring to national rules (or multilateral agreed rules)
source	<xs:element name="OtherPassengerRestrictionOrDefect" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>List of restrictions or defects referring to national rules (or multilateral agreed rules)</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="RestrictionOrDefectCode"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="4"/> <xs:maxLength value="4"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="RestrictionOrDefectValue" type="xs:string" minOccurs="0"/> <xs:element ref="FreeTextField" minOccurs="0"/> <xs:element name="ActiveRestriction" type="xs:boolean" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

element **PassengerUnitRestriction/OtherPassengerRestrictionOrDefect/RestrictionOrDefectCode**

diagram	RestrictionOrDefectCode
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	element **OtherPassengerRestrictionOrDefect**
facets	Kind Value Annotation minLength 4 maxLength 4
source	<xs:element name="RestrictionOrDefectCode"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="4"/> <xs:maxLength value="4"/> </xs:restriction> </xs:simpleType> </xs:element>

element **PassengerUnitRestriction/OtherPassengerRestrictionOrDefect/RestrictionOrDefectValue**

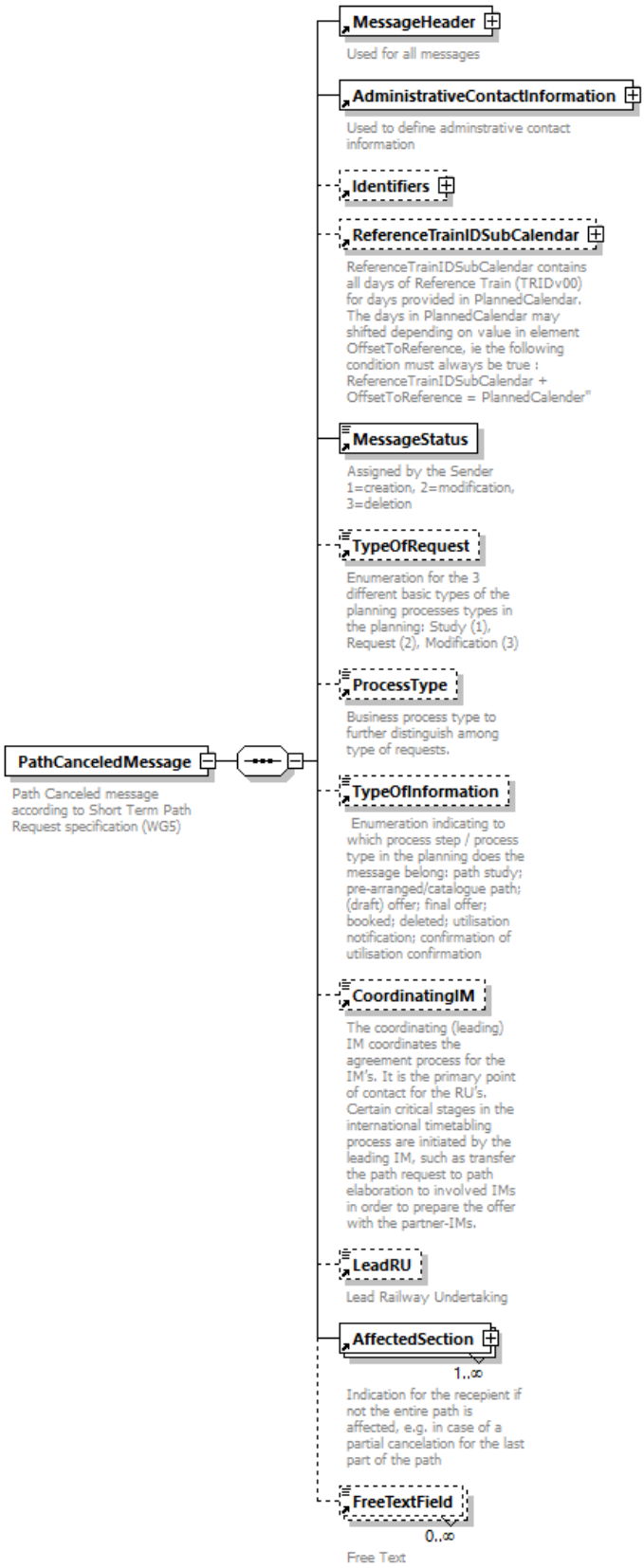
diagram	RestrictionOrDefectValue
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
used by	element **OtherPassengerRestrictionOrDefect**
source	`<xs:element name="RestrictionOrDefectValue" type="xs:string" minOccurs="0"/>`

element **PassengerUnitRestriction/OtherPassengerRestrictionOrDefect/ActiveRestriction**

diagram	ActiveRestriction
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="ActiveRestriction" type="xs:boolean" minOccurs="0"/>`

element **PathCanceledMessage**

diagram



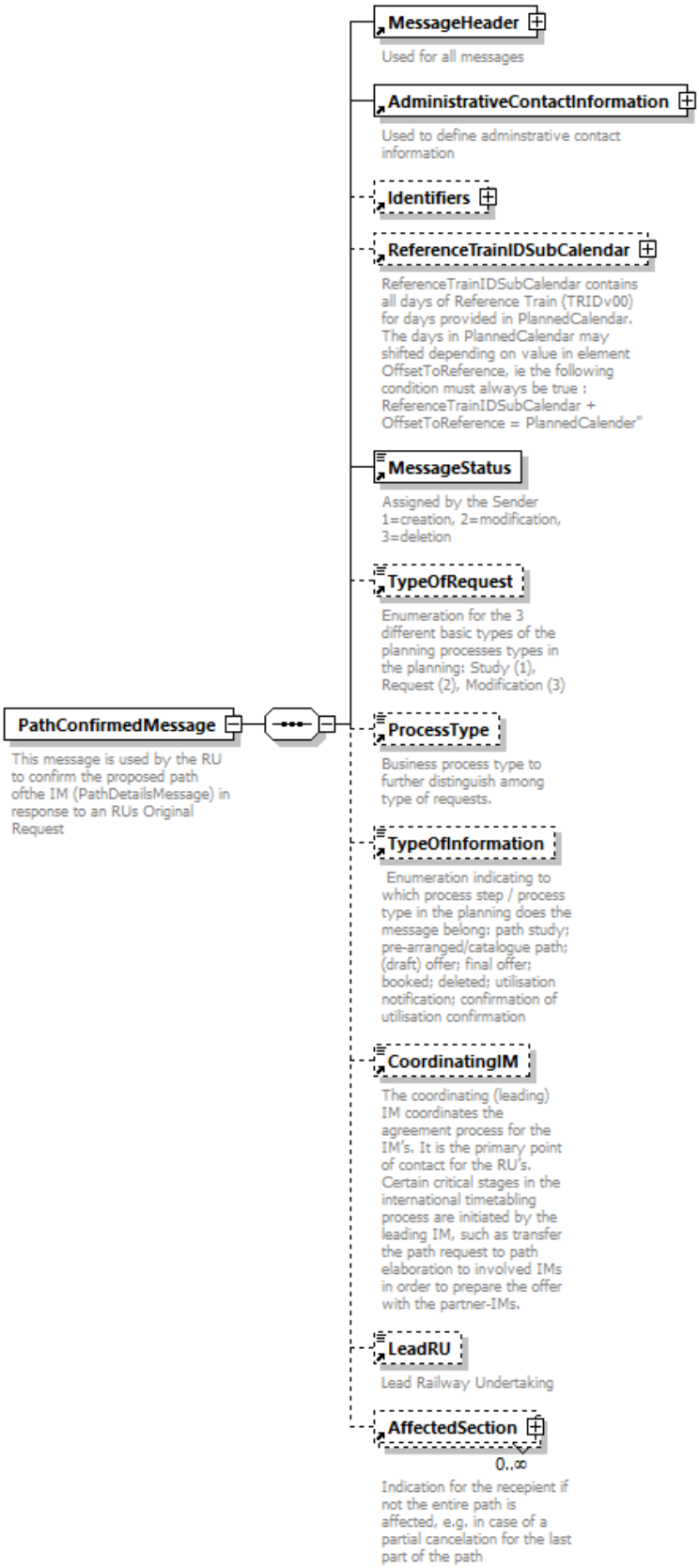
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **AdministrativeContactInformation** **Identifiers** **ReferenceTrainIDSubCalendar** **MessageStatus** **TypeOfRequest** **ProcessType** **TypeOfInformation** **CoordinatingIM** **LeadRU** **AffectedSection** **FreeTextField**
annotation	documentation Path Canceled message according to Short Term Path Request specification (WG5)

source

```
<xs:element name="PathCanceledMessage">
  <xs:annotation>
    <xs:documentation>Path Canceled message according to Short Term Path Request
specification (WG5)</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="AdministrativeContactInformation"/>
      <xs:element ref="Identifiers" minOccurs="0"/>
      <xs:element ref="ReferenceTrainIDSubCalendar" minOccurs="0"/>
      <xs:element ref="MessageStatus"/>
      <xs:element ref="TypeOfRequest" minOccurs="0"/>
      <xs:element ref="ProcessType" minOccurs="0"/>
      <xs:element ref="TypeOfInformation" minOccurs="0"/>
      <xs:element ref="CoordinatingIM" minOccurs="0"/>
      <xs:element ref="LeadRU" minOccurs="0"/>
      <xs:element ref="AffectedSection" maxOccurs="unbounded"/>
      <xs:element ref="FreeTextField" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **PathConfirmedMessage**

diagram


MessageHeader
Used for all messages
AdministrativeContactInformation
Used to define adminstrative contact information
Identifiers
ReferenceTrainIDSubCalendar
ReferenceTrainIDSubCalendar contains all days of Reference Train (TRIDv00) for days provided in PlannedCalendar. The days in PlannedCalendar may shifted depending on value in element OffsetToReference, ie the following condition must always be true : ReferenceTrainIDSubCalendar + OffsetToReference = PlannedCalender"
MessageStatus
Assigned by the Sender 1=creation, 2=modification, 3=deletion
TypeOfRequest
Enumeration for the 3 different basic types of the planning processes types in the planning: Study (1), Request (2), Modification (3)
PathConfirmedMessage
This message is used by the RU to confirm the proposed path ofthe IM (PathDetailsMessage) in response to an RUs Original Request
ProcessType
Business process type to further distinguish among type of requests.
TypeOfInformation
Enumeration indicating to which process step / process type in the planning does the message belong: path study; pre-arranged/catalogue path; (draft) offer; final offer; booked; deleted; utilisation notification; confirmation of utilisation confirmation
CoordinatingIM
The coordinating (leading) IM coordinates the agreement process for the IM's. It is the primary point of contact for the RU's. Certain critical stages in the international timetabling process are initiated by the leading IM, such as transfer the path request to path elaboration to involved IMs in order to prepare the offer with the partner-IMs.
LeadRU
Lead Railway Undertaking
AffectedSection
0..∞
Indication for the recepient if not the entire path is affected, e.g. in case of a partial cancelation for the last part of the path

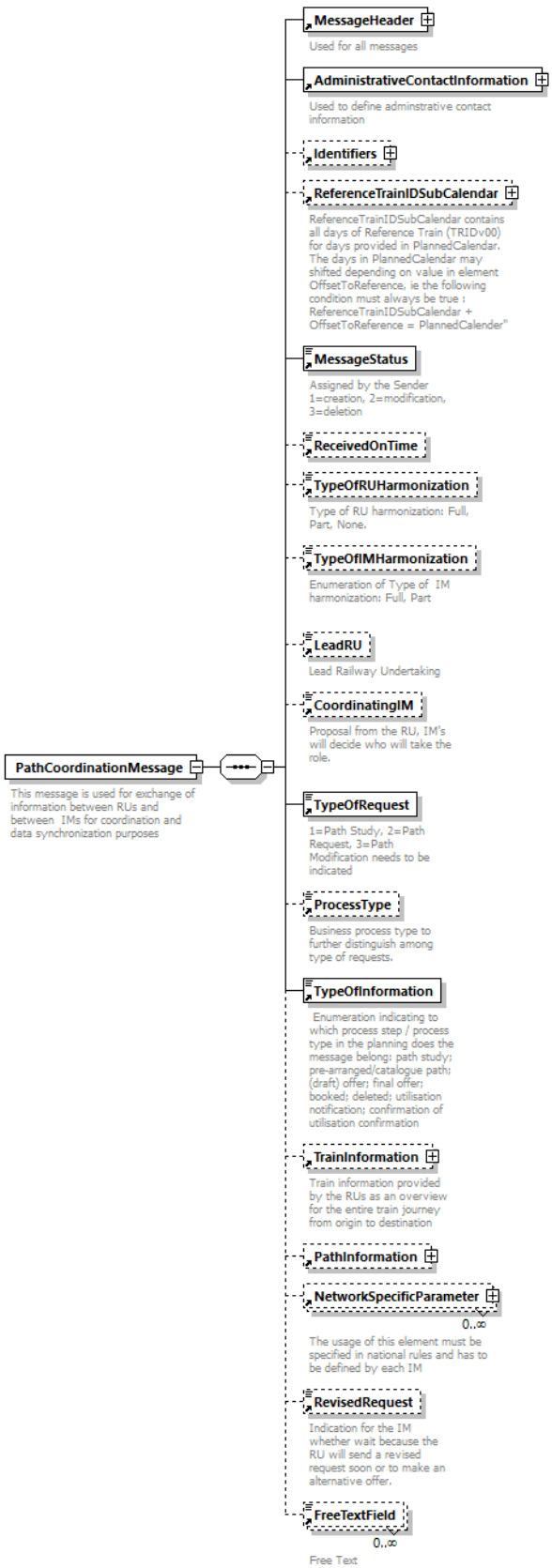
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **AdministrativeContactInformation** **Identifiers** **ReferenceTrainIDSubCalendar** **MessageStatus** **TypeOfRequest** **ProcessType** **TypeOfInformation** **CoordinatingIM** **LeadRU** **AffectedSection**
annotation	documentation This message is used by the RU to confirm the proposed path ofthe IM (PathDetailsMessage) in response to an RUs Original Request

source

```
<xs:element name="PathConfirmedMessage">
  <xs:annotation>
    <xs:documentation>This message is used by the RU to confirm the proposed path
ofthe IM (PathDetailsMessage) in response to an RUs Original
Request</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="AdministrativeContactInformation"/>
      <xs:element ref="Identifiers" minOccurs="0"/>
      <xs:element ref="ReferenceTrainIDSubCalendar" minOccurs="0"/>
      <xs:element ref="MessageStatus"/>
      <xs:element ref="TypeOfRequest" minOccurs="0"/>
      <xs:element ref="ProcessType" minOccurs="0"/>
      <xs:element ref="TypeOfInformation" minOccurs="0"/>
      <xs:element ref="CoordinatingIM" minOccurs="0"/>
      <xs:element ref="LeadRU" minOccurs="0"/>
      <xs:element ref="AffectedSection" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **PathCoordinationMessage**

diagram


PathCoordinationMessage
This message is used for exchange of information between RUs and between IMs for coordination and data synchronization purposes
MessageHeader
Used for all messages
AdministrativeContactInformation
Used to define adminstrative contact information
Identifiers
ReferenceTrainIDSubCalendar
ReferenceTrainIDSubCalendar contains all days of Reference Train (TRIDv00) for days provided in PlannedCalendar. The days in PlannedCalendar may shifted depending on value in element OffsetToReference, ie the following condition must always be true : ReferenceTrainIDSubCalendar + OffsetToReference = PlannedCalender"
MessageStatus
Assigned by the Sender 1=creation, 2=modification, 3=deletion
ReceivedOnTime
TypeOfRUHarmonization
Type of RU harmonization: Full, Part, None.
TypeOfIMHarmonization
Enumeration of Type of IM harmonization: Full, Part
LeadRU
Lead Railway Undertaking
CoordinatingIM
Proposal from the RU, IM's will decide who will take the role.
TypeOfRequest
1=Path Study, 2=Path Request, 3=Path Modification needs to be indicated
ProcessType
Business process type to further distinguish among type of requests.
TypeOfInformation
Enumeration indicating to which process step / process type in the planning does the message belong: path study; pre-arranged/catalogue path; (draft) offer; final offer; booked; deleted; utilisation notification; confirmation of utilisation confirmation
TrainInformation
Train information provided by the RUs as an overview for the entire train journey from origin to destination
PathInformation
NetworkSpecificParameter
0..∞
The usage of this element must be specified in national rules and has to be defined by each IM
RevisedRequest
Indication for the IM whether wait because the RU will send a revised request soon or to make an alternative offer.
FreeTextField
0..∞
Free Text

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **AdministrativeContactInformation** **Identifiers** **ReferenceTrainIDSubCalendar** **MessageStatus** **ReceivedOnTime** **TypeOfRUHarmonization** **TypeOfIMHarmonization** **LeadRU** **CoordinatingIM** **TypeOfRequest** **ProcessType** **TypeOfInformation** **TrainInformation** **PathInformation** **NetworkSpecificParameter** **RevisedRequest** **FreeTextField**
annotation	documentation This message is used for exchange of information between RUs and between IMs for coordination and data synchronization purposes

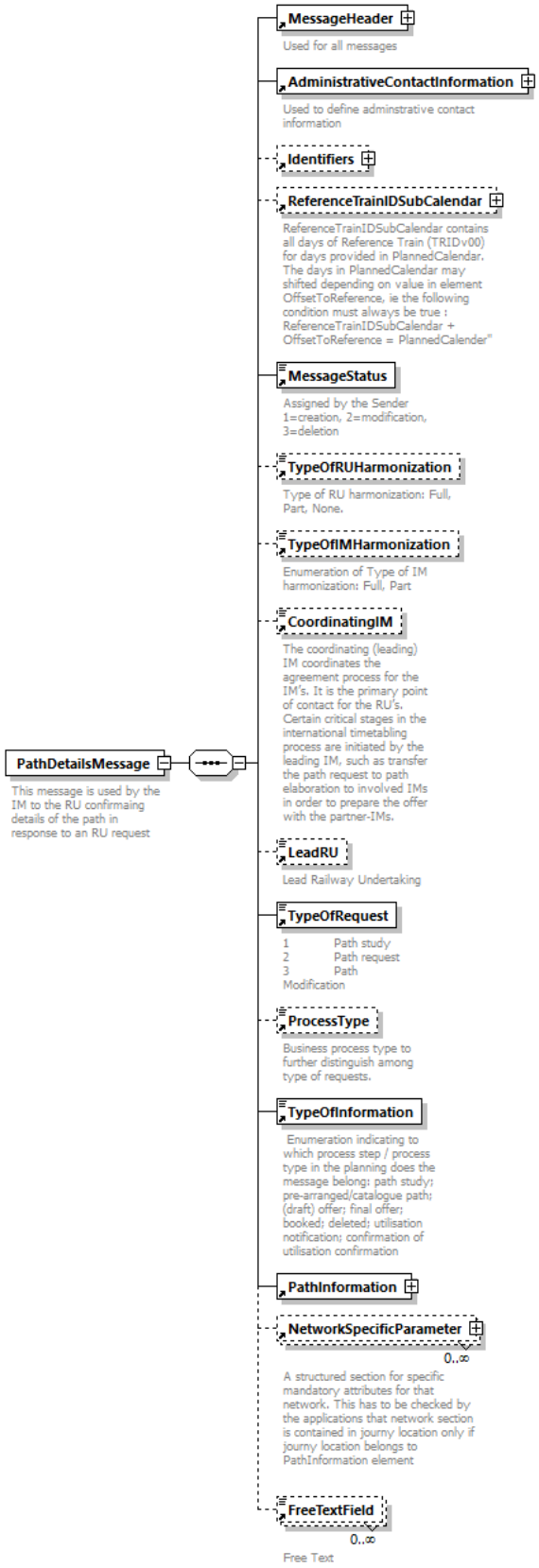
source

```
<xs:element name="PathCoordinationMessage">
  <xs:annotation>
    <xs:documentation>This message is used for exchange of information between RUs
and between  IMs for coordination and data synchronization
purposes</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="AdministrativeContactInformation"/>
      <xs:element ref="Identifiers" minOccurs="0"/>
      <xs:element ref="ReferenceTrainIDSubCalendar" minOccurs="0"/>
      <xs:element ref="MessageStatus"/>
      <xs:element ref="ReceivedOnTime" minOccurs="0"/>
      <xs:element ref="TypeOfRUHarmonization" minOccurs="0"/>
      <xs:element ref="TypeOfIMHarmonization" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Enumeration of Type of  IM harmonization: Full, Part
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="LeadRU" minOccurs="0"/>
      <xs:element ref="CoordinatingIM" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Proposal from the RU, IM's will decide who will take the
role.
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="TypeOfRequest">
        <xs:annotation>
          <xs:documentation>1=Path Study, 2=Path Request, 3=Path Modification needs
to be indicated</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="ProcessType" minOccurs="0"/>
      <xs:element ref="TypeOfInformation"/>
      <xs:element ref="TrainInformation" minOccurs="0"/>
      <xs:element ref="PathInformation" minOccurs="0"/>
      <xs:element ref="NetworkSpecificParameter" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element ref="RevisedRequest" minOccurs="0"/>
      <xs:element ref="FreeTextField" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
```

	`  </xs:complexType>` `</xs:element>`

element **PathDetailsMessage**

diagram



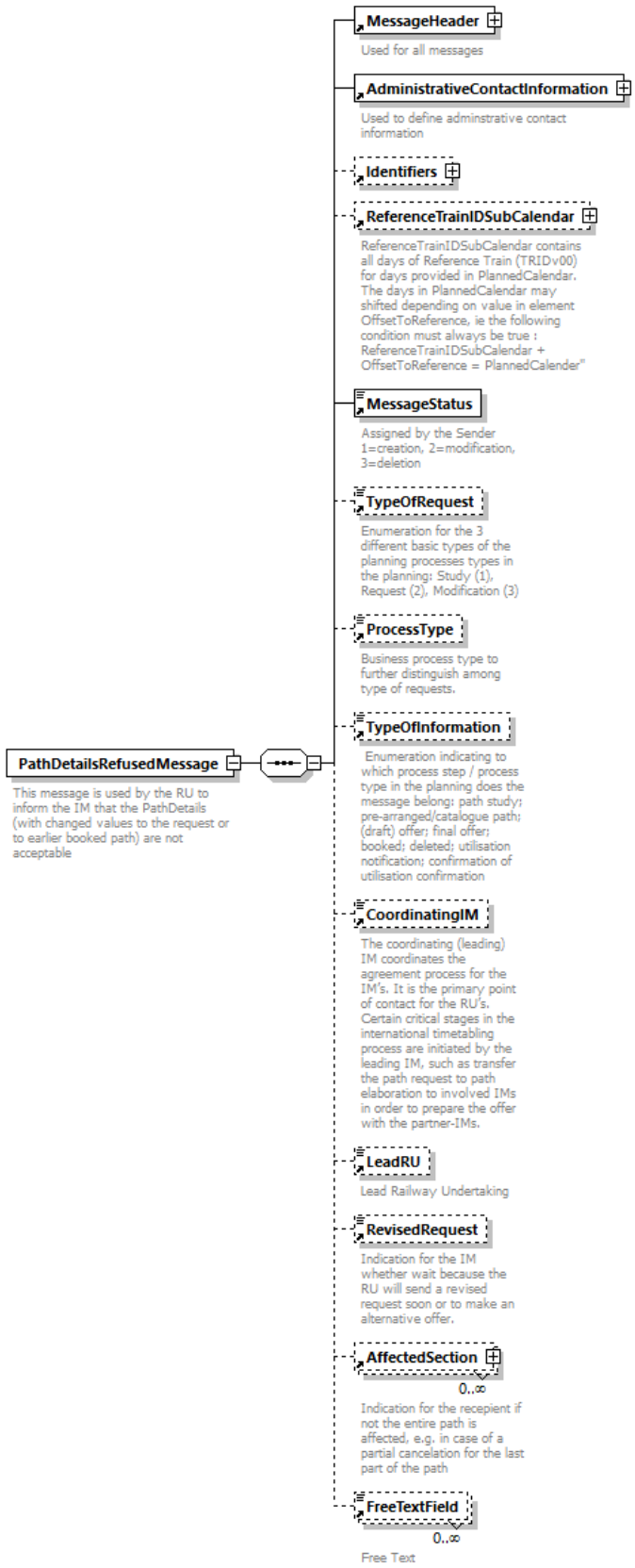
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **AdministrativeContactInformation** **Identifiers** **ReferenceTrainIDSubCalendar** **MessageStatus** **TypeOfRUHarmonization** **TypeOfIMHarmonization** **CoordinatingIM** **LeadRU** **TypeOfRequest** **ProcessType** **TypeOfInformation** **PathInformation** **NetworkSpecificParameter** **FreeTextField**
annotation	documentation This message is used by the IM to the RU confirmaing details of the path in response to an RU request

source

```
<xs:element name="PathDetailsMessage">
  <xs:annotation>
    <xs:documentation>This message is used by the IM to the RU confirmaing details
of the path in response to an RU request</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="AdministrativeContactInformation"/>
      <xs:element ref="Identifiers" minOccurs="0"/>
      <xs:element ref="ReferenceTrainIDSubCalendar" minOccurs="0"/>
      <xs:element ref="MessageStatus"/>
      <xs:element ref="TypeOfRUHarmonization" minOccurs="0"/>
      <xs:element ref="TypeOfIMHarmonization" minOccurs="0"/>
      <xs:element ref="CoordinatingIM" minOccurs="0"/>
      <xs:element ref="LeadRU" minOccurs="0"/>
      <xs:element ref="TypeOfRequest">
        <xs:annotation>
          <xs:documentation>1    Path study
2      Path request
3      Path Modification
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="ProcessType" minOccurs="0"/>
      <xs:element ref="TypeOfInformation"/>
      <xs:element ref="PathInformation"/>
      <xs:element ref="NetworkSpecificParameter" minOccurs="0"
maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>A structured section for specific mandatory attributes
for that network. This has to be checked by the applications that network section
is contained in journy location only if journy location belongs to PathInformation
element
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="FreeTextField" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **PathDetailsRefusedMessage**

diagram



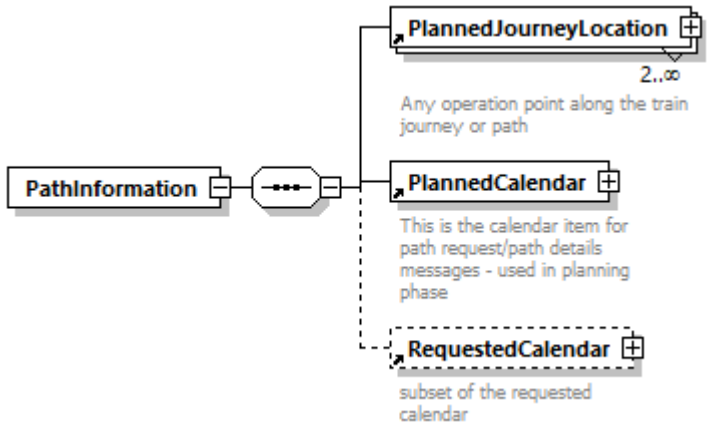
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **AdministrativeContactInformation** **Identifiers** **ReferenceTrainIDSubCalendar** **MessageStatus** **TypeOfRequest** **ProcessType** **TypeOfInformation** **CoordinatingIM** **LeadRU** **RevisedRequest** **AffectedSection** **FreeTextField**
annotation	documentation This message is used by the RU to inform the IM that the PathDetails (with changed values to the request or to earlier booked path) are not acceptable

source

```
<xs:element name="PathDetailsRefusedMessage">
  <xs:annotation>
    <xs:documentation>This message is used by the RU to inform the IM that the PathDetails (with changed values to the request or to earlier booked path) are not acceptable</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="AdministrativeContactInformation"/>
      <xs:element ref="Identifiers" minOccurs="0"/>
      <xs:element ref="ReferenceTrainIDSubCalendar" minOccurs="0"/>
      <xs:element ref="MessageStatus"/>
      <xs:element ref="TypeOfRequest" minOccurs="0"/>
      <xs:element ref="ProcessType" minOccurs="0"/>
      <xs:element ref="TypeOfInformation" minOccurs="0"/>
      <xs:element ref="CoordinatingIM" minOccurs="0"/>
      <xs:element ref="LeadRU" minOccurs="0"/>
      <xs:element ref="RevisedRequest" minOccurs="0"/>
      <xs:element ref="AffectedSection" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="FreeTextField" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **PathInformation**

diagram



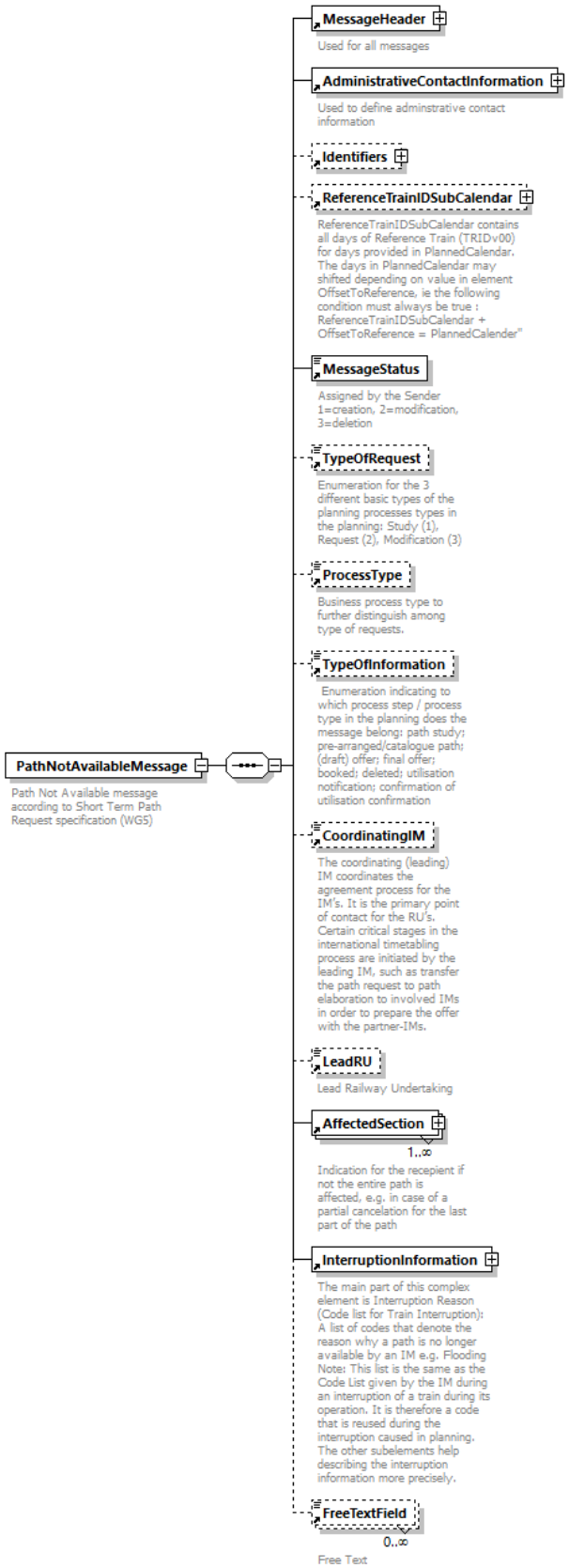
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

properties	content complex
children	PlannedJourneyLocation PlannedCalendar RequestedCalendar
used by	elements UpdateLinkMessage/Operation PathCoordinationMessage PathDetailsMessage ObjectInfoMessage/TrainInformationExtended/PathInformationExtended ObjectInfoMessage/PathInformationExtended PathRequestMessage complexType PathType
source	

```
<xs:element name="PathInformation">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="PlannedJourneyLocation" minOccurs="2"
maxOccurs="unbounded"/>
      <xs:element ref="PlannedCalendar"/>
      <xs:element ref="RequestedCalendar" minOccurs="0">
        <xs:annotation>
          <xs:documentation>subset of the requested calendar</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **PathNotAvailableMessage**

diagram


PathNotAvailableMessage
Path Not Available message according to Short Term Path Request specification (WG5)
MessageHeader
Used for all messages
AdministrativeContactInformation
Used to define adminstrative contact information
Identifiers
ReferenceTrainIDSubCalendar
ReferenceTrainIDSubCalendar contains all days of Reference Train (TRIDv00) for days provided in PlannedCalendar. The days in PlannedCalendar may shifted depending on value in element OffsetToReference, ie the following condition must always be true : ReferenceTrainIDSubCalendar + OffsetToReference = PlannedCalender"
MessageStatus
Assigned by the Sender 1=creation, 2=modification, 3=deletion
TypeOfRequest
Enumeration for the 3 different basic types of the planning processes types in the planning: Study (1), Request (2), Modification (3)
ProcessType
Business process type to further distinguish among type of requests.
TypeOfInformation
Enumeration indicating to which process step / process type in the planning does the message belong: path study; pre-arranged/catalogue path; (draft) offer; final offer; booked; deleted; utilisation notification; confirmation of utilisation confirmation
CoordinatingIM
The coordinating (leading) IM coordinates the agreement process for the IM's. It is the primary point of contact for the RU's. Certain critical stages in the international timetabling process are initiated by the leading IM, such as transfer the path request to path elaboration to involved IMs in order to prepare the offer with the partner-IMs.
LeadRU
Lead Railway Undertaking
AffectedSection
1..∞
Indication for the recepient if not the entire path is affected, e.g. in case of a partial cancelation for the last part of the path
InterruptionInformation
The main part of this complex element is Interruption Reason (Code list for Train Interruption): A list of codes that denote the reason why a path is no longer available by an IM e.g. Flooding Note: This list is the same as the Code List given by the IM during an interruption of a train during its operation. It is therefore a code that is reused during the interruption caused in planning. The other subelements help describing the interruption information more precisely.
FreeTextField
0..∞
Free Text

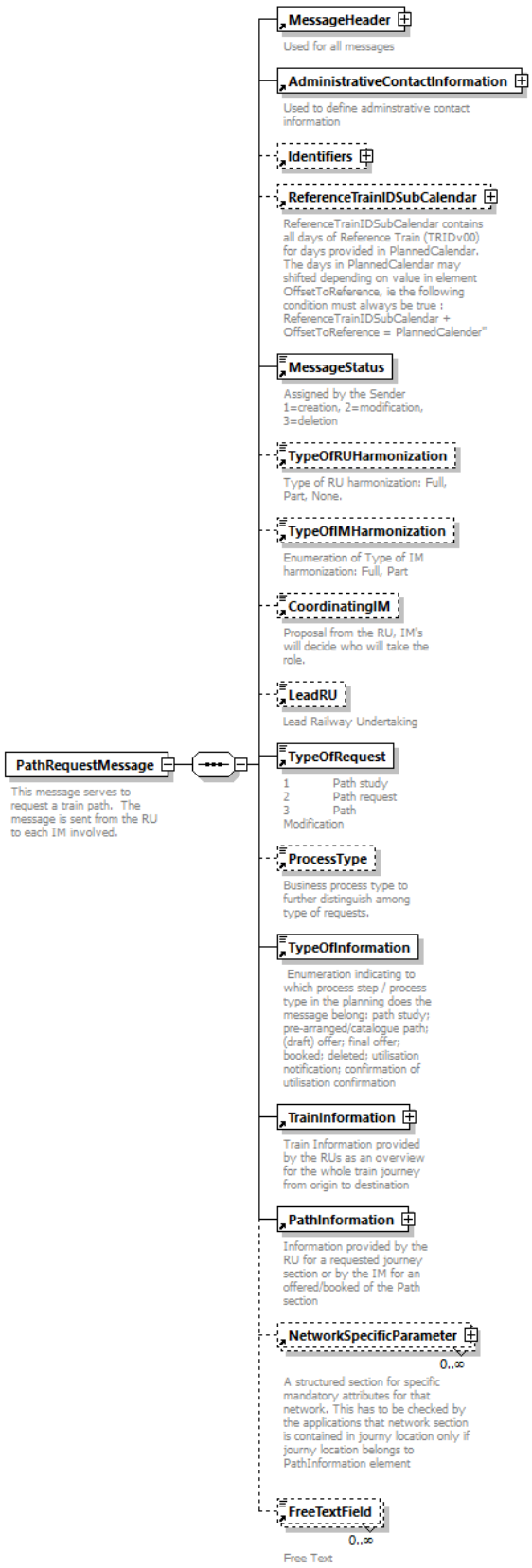
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **AdministrativeContactInformation** **Identifiers** **ReferenceTrainIDSubCalendar** **MessageStatus** **TypeOfRequest** **ProcessType** **TypeOfInformation** **CoordinatingIM** **LeadRU** **AffectedSection** **InterruptionInformation** **FreeTextField**
annotation	documentation Path Not Available message according to Short Term Path Request specification (WG5)

source

```
<xs:element name="PathNotAvailableMessage">
  <xs:annotation>
    <xs:documentation>Path Not Available message according to Short Term Path
Request specification (WG5) </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="AdministrativeContactInformation"/>
      <xs:element ref="Identifiers" minOccurs="0"/>
      <xs:element ref="ReferenceTrainIDSubCalendar" minOccurs="0"/>
      <xs:element ref="MessageStatus"/>
      <xs:element ref="TypeOfRequest" minOccurs="0"/>
      <xs:element ref="ProcessType" minOccurs="0"/>
      <xs:element ref="TypeOfInformation" minOccurs="0"/>
      <xs:element ref="CoordinatingIM" minOccurs="0"/>
      <xs:element ref="LeadRU" minOccurs="0"/>
      <xs:element ref="AffectedSection" maxOccurs="unbounded"/>
      <xs:element ref="InterruptionInformation"/>
      <xs:element ref="FreeTextField" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **PathRequestMessage**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **AdministrativeContactInformation** **Identifiers** **ReferenceTrainIDSubCalendar** **MessageStatus** **TypeOfRUHarmonization** **TypeOfIMHarmonization** **CoordinatingIM** **LeadRU** **TypeOfRequest** **ProcessType** **TypeOfInformation** **TrainInformation** **PathInformation** **NetworkSpecificParameter** **FreeTextField**
annotation	documentation This message serves to request a train path. The message is sent from the RU to each IM involved.

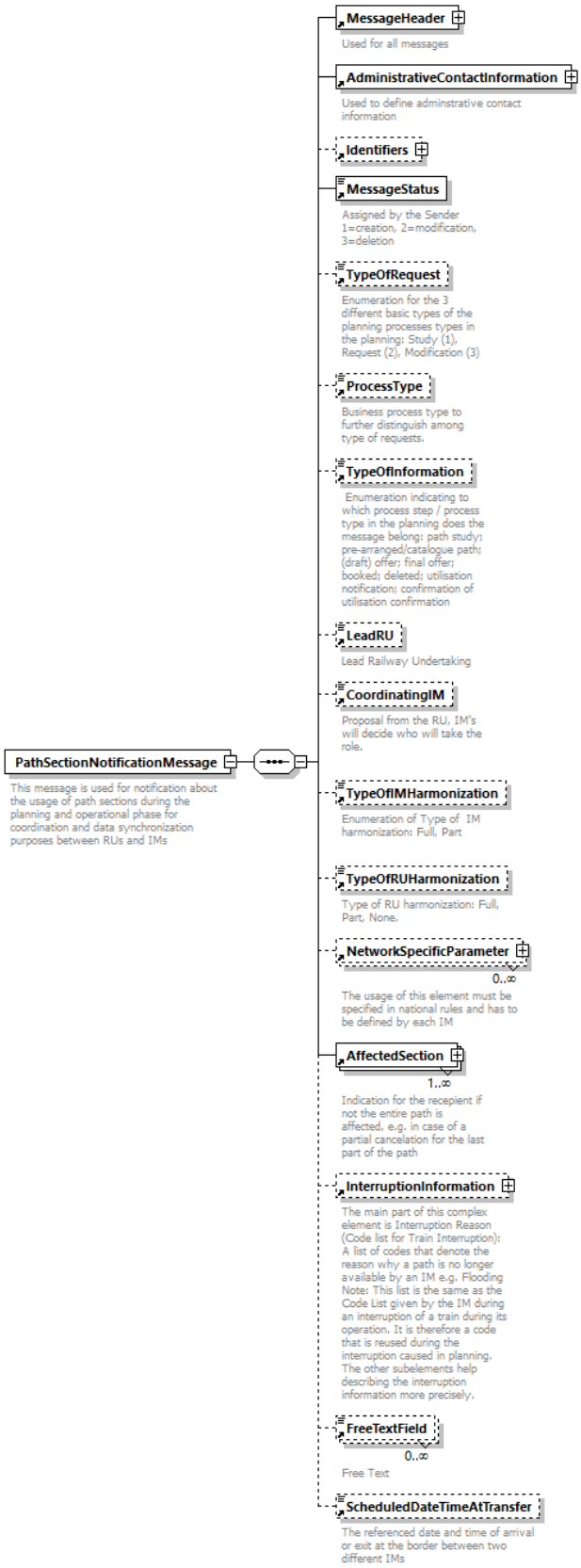
source

```
<xs:element name="PathRequestMessage">
  <xs:annotation>
    <xs:documentation>This message serves to request a train path.  The message is
sent from the RU to each IM involved.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="AdministrativeContactInformation"/>
      <xs:element ref="Identifiers" minOccurs="0"/>
      <xs:element ref="ReferenceTrainIDSubCalendar" minOccurs="0"/>
      <xs:element ref="MessageStatus"/>
      <xs:element ref="TypeOfRUHarmonization" minOccurs="0"/>
      <xs:element ref="TypeOfIMHarmonization" minOccurs="0"/>
      <xs:element ref="CoordinatingIM" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Proposal from the RU, IM's will decide who will take the
role.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="LeadRU" minOccurs="0"/>
      <xs:element ref="TypeOfRequest">
        <xs:annotation>
          <xs:documentation>1    Path study
2     Path request
3     Path Modification
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="ProcessType" minOccurs="0"/>
      <xs:element ref="TypeOfInformation"/>
      <xs:element ref="TrainInformation">
        <xs:annotation>
          <xs:documentation>Train Information provided by the RUs as an overview for
the whole train journey from origin to destination</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="PathInformation">
        <xs:annotation>
          <xs:documentation>Information provided by the RU for a requested journey
section or by the IM for an offered/booked of the Path section</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="NetworkSpecificParameter" minOccurs="0"
maxOccurs="unbounded">
        <xs:annotation>
```

```
          <xs:documentation>A structured section for specific mandatory attributes
for that network. This has to be checked by the applications that network section
is contained in journy location only if journy location belongs to PathInformation
element
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="FreeTextField" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **PathSectionNotificationMessage**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **AdministrativeContactInformation** **Identifiers** **MessageStatus** **TypeOfRequest** **ProcessType** **TypeOfInformation** **LeadRU** **CoordinatingIM** **TypeOfIMHarmonization** **TypeOfRUHarmonization** **NetworkSpecificParameter** **AffectedSection** **InterruptionInformation** **FreeTextField** **ScheduledDateTimeAtTransfer**
annotation	documentation This message is used for notification about the usage of path sections during the planning and operational phase for coordination and data synchronization purposes between RUs and IMs

source

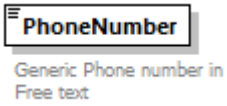
```
<xs:element name="PathSectionNotificationMessage">
  <xs:annotation>
    <xs:documentation>This message is used for notification about the usage of path
sections during the planning and operational phase for coordination and data
synchronization purposes between RUs and IMs</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="AdministrativeContactInformation"/>
      <xs:element ref="Identifiers" minOccurs="0"/>
      <xs:element ref="MessageStatus"/>
      <xs:element ref="TypeOfRequest" minOccurs="0"/>
      <xs:element ref="ProcessType" minOccurs="0"/>
      <xs:element ref="TypeOfInformation" minOccurs="0"/>
      <xs:element ref="LeadRU" minOccurs="0"/>
      <xs:element ref="CoordinatingIM" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Proposal from the RU, IM's will decide who will take the
role.
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="TypeOfIMHarmonization" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Enumeration of Type of  IM harmonization: Full, Part
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="TypeOfRUHarmonization" minOccurs="0"/>
      <xs:element ref="NetworkSpecificParameter" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element ref="AffectedSection" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>Indication for the recepient if not the entire path is
affected, e.g. in case of a partial cancelation for the last part of the
path</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="InterruptionInformation" minOccurs="0"/>
      <xs:element ref="FreeTextField" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="ScheduledDateTimeAtTransfer" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **PermittedTolerance**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind Value Annotation minInclusive 0 maxInclusive 99
annotation	documentation Permitted tolerance after date of overhaul (in months)

source	`<xs:element name="PermittedTolerance">`
	`  <xs:annotation>`
	`  <xs:documentation>Permitted tolerance after date of overhaul (in months)</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="0"/>`
	`  <xs:maxInclusive value="99"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

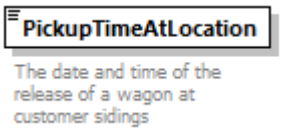
element **PhoneNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CommunicationRefID**
properties	content simple
used by	element **AdministrativeContactInformation**
facets	Kind Value Annotation minLength 1 maxLength 70
annotation	documentation Generic Phone number in Free text

source	`<xs:element name="PhoneNumber" type="CommunicationRefID">`
	`  <xs:annotation>`
	`  <xs:documentation>Generic Phone number in Free text</xs:documentation>`

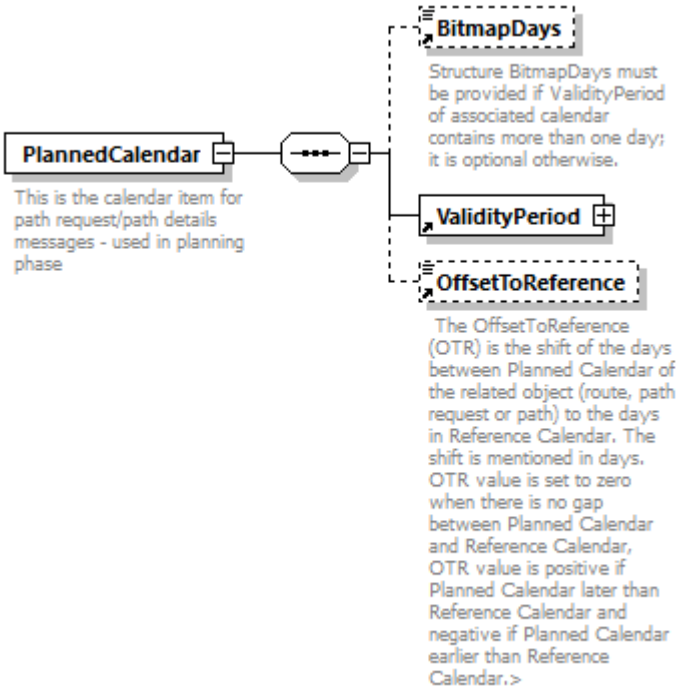
```
  </xs:annotation>
</xs:element>
```

element **PickupTimeAtLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
annotation	documentation The date and time of the release of a wagon at customer sidings

source	`<xs:element name="PickupTimeAtLocation" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>The date and time of the release of a wagon at customer sidings</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

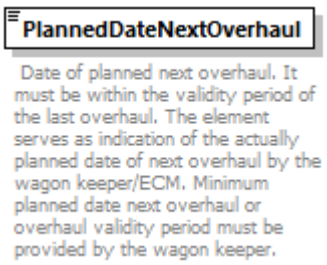
element **PlannedCalendar**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex

children	**BitmapDays** **ValidityPeriod** **OffsetToReference**
used by	elements **AffectedSection** **PassengerJourneySectionOrigin** **PassengerJourneySection/PassengerJourneySectionOrigin** **PathInformation** **TrainInformation** complexTypes **PeriodicalContinuousType** **PlannedCalendarExtendedType** **TemporalExpansionType**
annotation	documentation This is the calendar item for path request/path details messages - used in planning phase

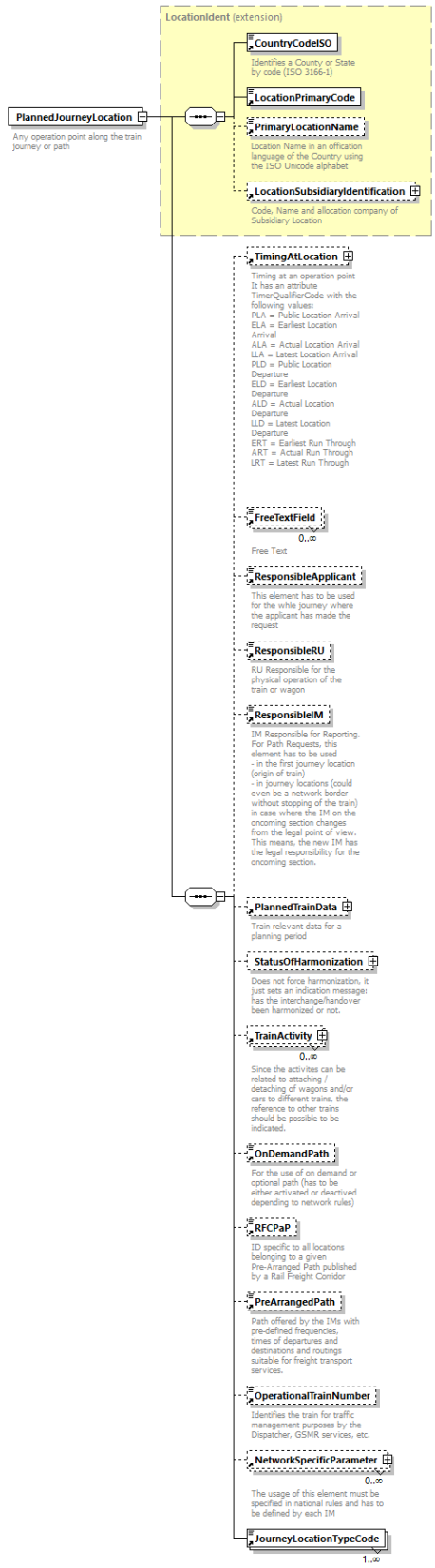
source	`<xs:element name="PlannedCalendar">`
	`  <xs:annotation>`
	`  <xs:documentation>This is the calendar item for path request/path details messages - used in planning phase</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="BitmapDays" minOccurs="0"/>`
	`  <xs:element ref="ValidityPeriod"/>`
	`  <xs:element ref="OffsetToReference" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **PlannedDateNextOverhaul**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
annotation	documentation Date of planned next overhaul. It must be within the validity period of the last overhaul. The element serves as indication of the actually planned date of next overhaul by the wagon keeper/ECM. Minimum planned date next overhaul or overhaul validity period must be provided by the wagon keeper.
source	`<xs:element name="PlannedDateNextOverhaul" type="xs:date">` `  <xs:annotation>` ` <xs:documentation> Date of planned next overhaul. It must be within the validity period of the last overhaul. The element serves as indication of the actually planned date of next overhaul by the wagon keeper/ECM. Minimum planned date next overhaul or overhaul validity period must be provided by the wagon keeper. </xs:documentation>` ` </xs:annotation>` `</xs:element>`

element **PlannedJourneyLocation**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification** **TimingAtLocation** **FreeTextField** **ResponsibleApplicant** **ResponsibleRU** **ResponsibleIM** **PlannedTrainData** **StatusOfHarmonization** **TrainActivity** **OnDemandPath** **RFCPaP** **PreArrangedPath** **OperationalTrainNumber** **NetworkSpecificParameter** **JourneyLocationTypeCode**
used by	elements **PathInformation** **TrainInformation**
annotation	documentation Any operation point along the train journey or path

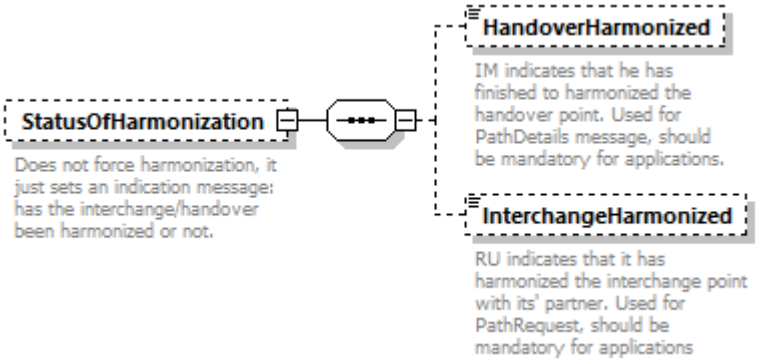
source

```
<xs:element name="PlannedJourneyLocation">
  <xs:annotation>
    <xs:documentation>Any operation point along the train journey or
path</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="LocationIdent">
        <xs:sequence minOccurs="1">
          <xs:element ref="TimingAtLocation" minOccurs="0"/>
          <xs:element ref="FreeTextField" minOccurs="0" maxOccurs="unbounded"/>
          <xs:element ref="ResponsibleApplicant" minOccurs="0"/>
          <xs:element ref="ResponsibleRU" minOccurs="0"/>
          <xs:element ref="ResponsibleIM" minOccurs="0"/>
          <xs:element ref="PlannedTrainData" minOccurs="0"/>
          <xs:element name="StatusOfHarmonization" minOccurs="0">
            <xs:annotation>
              <xs:documentation>Does not force harmonization, it just sets an
indication message: has the interchange/handover been harmonized or
not.</xs:documentation>
            </xs:annotation>
            <xs:complexType>
              <xs:sequence>
                <xs:element name="HandoverHarmonized" type="xs:boolean"
minOccurs="0">
                  <xs:annotation>
                    <xs:documentation>IM indicates that he has finished to
harmonized the handover point. Used for PathDetails message, should be mandatory for
applications.</xs:documentation>
                  </xs:annotation>
                </xs:element>
                <xs:element name="InterchangeHarmonized" type="xs:boolean"
minOccurs="0">
                  <xs:annotation>
                    <xs:documentation>RU indicates that it has harmonized the
interchange point with its' partner. Used for PathRequest, should be mandatory for
applications</xs:documentation>
                  </xs:annotation>
                </xs:element>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
```

```
            <xs:element ref="TrainActivity" minOccurs="0" maxOccurs="unbounded"/>
            <xs:element ref="OnDemandPath" minOccurs="0"/>
            <xs:element ref="RFCPaP" minOccurs="0"/>
            <xs:element ref="PreArrangedPath" minOccurs="0"/>
            <xs:element ref="OperationalTrainNumber" minOccurs="0"/>
            <xs:element ref="NetworkSpecificParameter" minOccurs="0"
maxOccurs="unbounded"/>
            <xs:element ref="JourneyLocationTypeCode" minOccurs="1"
maxOccurs="unbounded"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
  </xs:element>
```

element **PlannedJourneyLocation/StatusOfHarmonization**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**HandoverHarmonized** **InterchangeHarmonized**
annotation	documentation Does not force harmonization, it just sets an indication message: has the interchange/handover been harmonized or not.

source

```
<xs:element name="StatusOfHarmonization" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Does not force harmonization, it just sets an indication
message: has the interchange/handover been harmonized or not.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="HandoverHarmonized" type="xs:boolean" minOccurs="0">
        <xs:annotation>
          <xs:documentation>IM indicates that he has finished to harmonized the
handover point. Used for PathDetails message, should be mandatory for
applications.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="InterchangeHarmonized" type="xs:boolean" minOccurs="0">
        <xs:annotation>
```

```
          <xs:documentation>RU indicates that it has harmonized the interchange point with its' partner. Used for PathRequest, should be mandatory for applications</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **PlannedJourneyLocation/StatusOfHarmonization/HandoverHarmonized**

diagram	**HandoverHarmonized** IM indicates that he has finished to harmonized the handover point. Used for PathDetails message, should be mandatory for applications.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation IM indicates that he has finished to harmonized the handover point. Used for PathDetails message, should be mandatory for applications.

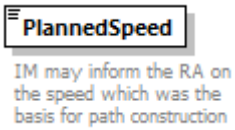
source	`<xs:element name="HandoverHarmonized" type="xs:boolean" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>IM indicates that he has finished to harmonized the handover point. Used for PathDetails message, should be mandatory for applications.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **PlannedJourneyLocation/StatusOfHarmonization/InterchangeHarmonized**

diagram	**InterchangeHarmonized** RU indicates that it has harmonized the interchange point with its' partner. Used for PathRequest, should be mandatory for applications
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation RU indicates that it has harmonized the interchange point with its' partner. Used for PathRequest, should be mandatory for applications

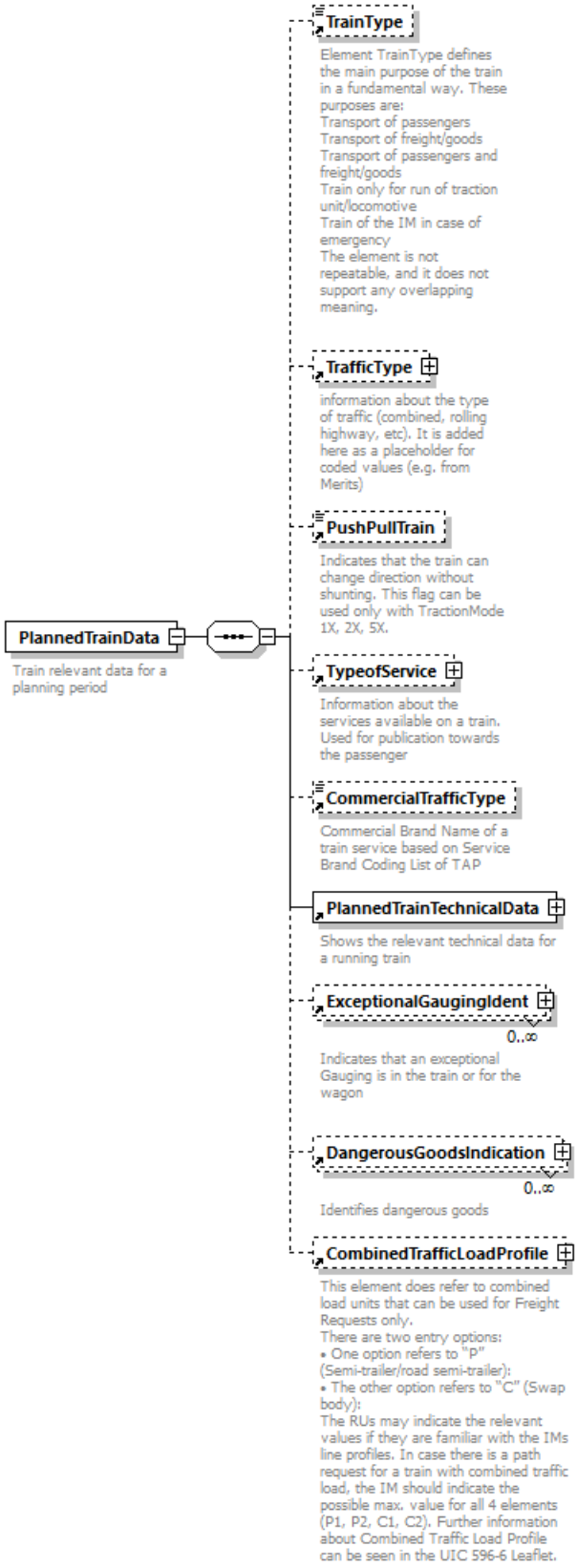
source	<xs:element name="InterchangeHarmonized" type="xs:boolean" minOccurs="0"> <xs:annotation> <xs:documentation>RU indicates that it has harmonized the interchange point with its' partner. Used for PathRequest, should be mandatory for applications</xs:documentation> </xs:annotation> </xs:element>

element **PlannedSpeed**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Speed**
properties	content simple
used by	elements **PlannedTrainTechnicalData** **TechnicalParameters**
facets	Kind Value Annotation minInclusive 001 maxInclusive 999
annotation	documentation IM may inform the RA on the speed which was the basis for path construction
source	<xs:element name="PlannedSpeed" type="Speed">\ <xs:annotation> <xs:documentation>IM may inform the RA on the speed which was the basis for path construction</xs:documentation> </xs:annotation> </xs:element>

element **PlannedTrainData**

diagram

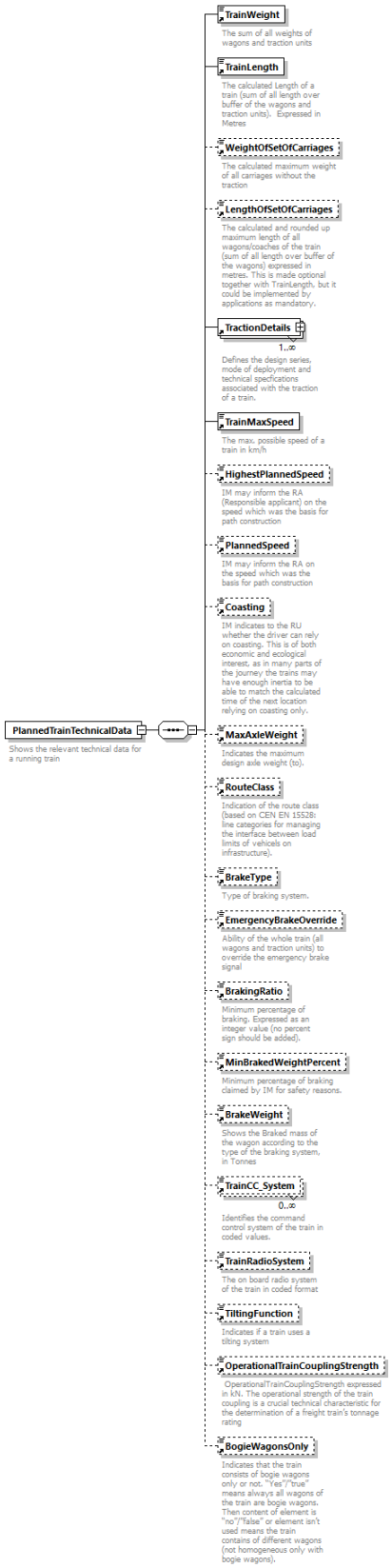


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**TrainType** **TrafficType** **PushPullTrain** **TypeofService** **CommercialTrafficType** **PlannedTrainTechnicalData** **ExceptionalGaugingIdent** **DangerousGoodsIndication** **CombinedTrafficLoadProfile**
used by	element **PlannedJourneyLocation** complexType **CapacityProductSearchCriteria**
annotation	documentation Train relevant data for a planning period
source	

```
<xs:element name="PlannedTrainData">
  <xs:annotation>
    <xs:documentation>Train relevant data for a planning period</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="TrainType" minOccurs="0"/>
      <xs:element ref="TrafficType" minOccurs="0"/>
      <xs:element ref="PushPullTrain" minOccurs="0"/>
      <xs:element ref="TypeofService" minOccurs="0"/>
      <!-- type of tap codelist is here referenced internally. This is the difference
to the official ERA schema -->
      <xs:element ref="CommercialTrafficType" minOccurs="0"/>
      <xs:element ref="PlannedTrainTechnicalData"/>
      <xs:element ref="ExceptionalGaugingIdent" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element ref="DangerousGoodsIndication" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element ref="CombinedTrafficLoadProfile" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **PlannedTrainTechnicalData**

diagram

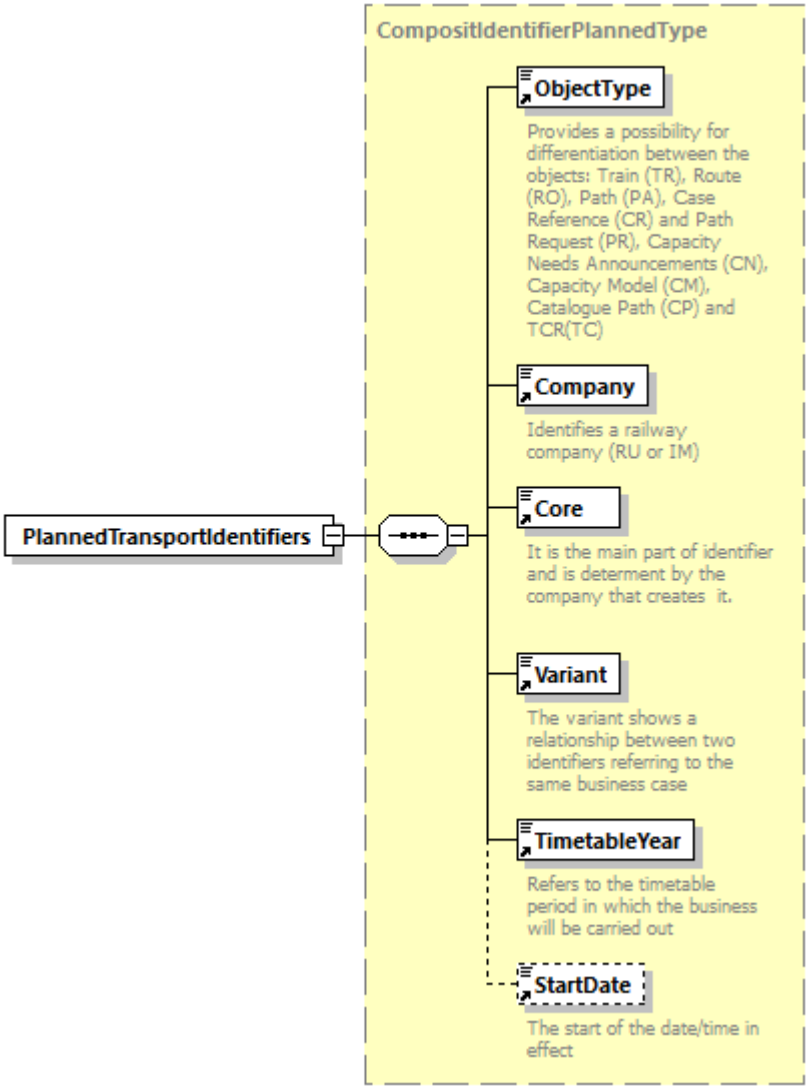


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**TrainWeight** **TrainLength** **WeightOfSetOfCarriages** **LengthOfSetOfCarriages** **TractionDetails** **TrainMaxSpeed** **HighestPlannedSpeed** **PlannedSpeed** **Coasting** **MaxAxleWeight** **RouteClass** **BrakeType** **EmergencyBrakeOverride** **BrakingRatio** **MinBrakedWeightPercent** **BrakeWeight** **TrainCC_System** **TrainRadioSystem** **TiltingFunction** **OperationalTrainCouplingStrength** **BogieWagonsOnly**
used by	element **PlannedTrainData**
annotation	documentation Shows the relevant technical data for a running train

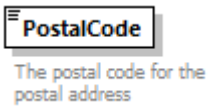
source

```
<xs:element name="PlannedTrainTechnicalData">
  <xs:annotation>
    <xs:documentation>Shows the relevant technical data for a running
train</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="TrainWeight"/>
      <xs:element ref="TrainLength"/>
      <xs:element ref="WeightOfSetOfCarriages" minOccurs="0"/>
      <xs:element ref="LengthOfSetOfCarriages" minOccurs="0"/>
      <xs:element ref="TractionDetails" maxOccurs="unbounded"/>
      <xs:element ref="TrainMaxSpeed"/>
      <xs:element ref="HighestPlannedSpeed" minOccurs="0"/>
      <xs:element ref="PlannedSpeed" minOccurs="0"/>
      <xs:element ref="Coasting" minOccurs="0"/>
      <xs:element ref="MaxAxleWeight" minOccurs="0"/>
      <xs:element ref="RouteClass" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Indication of the route class (based on CEN EN 15528:
line categories for managing the interface between load limits of vehicels on
infrastructure).</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="BrakeType" minOccurs="0"/>
      <xs:element ref="EmergencyBrakeOverride" minOccurs="0"/>
      <xs:element ref="BrakingRatio" minOccurs="0"/>
      <xs:element ref="MinBrakedWeightPercent" minOccurs="0"/>
      <xs:element ref="BrakeWeight" minOccurs="0"/>
      <xs:element ref="TrainCC_System" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="TrainRadioSystem" minOccurs="0"/>
      <xs:element ref="TiltingFunction" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Indicates if a train uses a tilting
system</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="OperationalTrainCouplingStrength" minOccurs="0"/>
      <xs:element ref="BogieWagonsOnly" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **PlannedTransportIdentifiers**

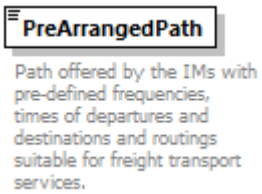
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompositIdentifierPlannedType**
properties	content complex
children	**ObjectType** **Company** **Core** **Variant** **TimetableYear** **StartDate**
used by	elements **AssociatedTrain** **ErrorMessage** **Identifiers** **CapacityModelSearchCriteria/IDSearch** **CapacityProductSearchCriteria/IDSearch** **PassengerTrainCompositionMessage** complexType **PathType**
source	`<xs:element name="PlannedTransportIdentifiers" type="CompositIdentifierPlannedType"/>`

element **PostalCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 10
annotation	documentation The postal code for the postal address

source	`<xs:element name="PostalCode">`
	`  <xs:annotation>`
	`  <xs:documentation>The postal code for the postal address</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="10"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **PreArrangedPath**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	element **PlannedJourneyLocation**
facets	Kind Value Annotation minLength 1 maxLength 9
annotation	documentation Path offered by the IMs with pre-defined frequencies, times of departures and destinations and routings suitable for freight transport services.

source	`<xs:element name="PreArrangedPath">`
	`  <xs:annotation>`
	`  <xs:documentation>Path offered by the IMs with pre-defined frequencies, times of departures and destinations and routings suitable for freight transport services.`

```
</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="9"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **PrepaidcodeCarrier**

diagram	**PrepaidcodeCarrier** Prepaidcode (given by the railway)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **ConsignmentOrderMessage/COMS/COM/PrepaymentInstructions**

facets

Kind	Value	Annotation
enumeration	10	documentation prepaid freight
enumeration	11	documentation prepaid freight including...
enumeration	12	documentation prepaid freight including...up to border of origin country
enumeration	13	documentation prepaid freight including...up to exit border of last transit country
enumeration	14	documentation prepaid freight including...up to exit border of other countries
enumeration	15	documentation prepaid freight up to border of origin country
enumeration	16	documentation prepaid freight up to exit border of last transit country
enumeration	17	documentation prepaid freight up to exit border of other countries
enumeration	20	documentation prepaid all costs
enumeration	42	documentation Free carrier
enumeration	43	documentation Carriage paid to...
enumeration	44	documentation Delivered duty unpaid
enumeration	45	documentation Carriage insurance paid
enumeration	46	documentation Delivered at terminal
enumeration	47	documentation Delivered at place
enumeration	90	documentation not prepaid

annotation	documentation Prepaidcode (given by the railway)

source

```
<xs:element name="PrepaidcodeCarrier">
  <xs:annotation>
    <xs:documentation>Prepaidcode (given by the railway)</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="10">
        <xs:annotation>
          <xs:documentation>prepaid freight</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="11">
        <xs:annotation>
          <xs:documentation>prepaid freight including... </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="12">
        <xs:annotation>
          <xs:documentation>prepaid freight including...up to border of origin
country</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="13">
        <xs:annotation>
          <xs:documentation>prepaid freight including...up to exit border of last
transit country </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="14">
        <xs:annotation>
          <xs:documentation>prepaid freight including...up to exit border of other
countries </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="15">
        <xs:annotation>
          <xs:documentation>prepaid freight up to border of origin country
</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="16">
        <xs:annotation>
          <xs:documentation>prepaid freight up to exit border of last transit
country</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="17">
        <xs:annotation>
          <xs:documentation>prepaid freight up to exit border of other countries
</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="20">
```

```
        <xs:annotation>
          <xs:documentation>prepaid all costs</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="42">
        <xs:annotation>
          <xs:documentation>Free carrier </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="43">
        <xs:annotation>
          <xs:documentation>Carriage paid to...</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="44">
        <xs:annotation>
          <xs:documentation>Delivered duty unpaid</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="45">
        <xs:annotation>
          <xs:documentation>Carriage insurance paid </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="46">
        <xs:annotation>
          <xs:documentation>Delivered at terminal</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="47">
        <xs:annotation>
          <xs:documentation>Delivered at place</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="90">
        <xs:annotation>
          <xs:documentation>not prepaid</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **PrepaidCodeCustomer**

diagram	**PrepaidCodeCustomer** Prepaidcode (given by the customer)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple

used by	element **ConsignmentOrderMessage/COMS/COM/PrepaymentInstructions/PrepaymentCustomer**

facets

Kind	Value	Annotation
enumeration	10	documentation prepaid freight
enumeration	11	documentation prepaid freight including...
enumeration	12	documentation prepaid freight including...up to border of origin country
enumeration	13	documentation prepaid freight including...up to exit border of last transit country
enumeration	14	documentation prepaid freight including...up to exit border of other countries
enumeration	15	documentation prepaid freight up to border of origin country
enumeration	16	documentation prepaid freight up to exit border of last transit country
enumeration	17	documentation prepaid freight up to exit border of other countries
enumeration	20	documentation prepaid all costs
enumeration	42	documentation Free carrier
enumeration	43	documentation Carriage paid to...
enumeration	44	documentation Delivered duty unpaid
enumeration	45	documentation Carriage insurance paid
enumeration	46	documentation Delivered at terminal
enumeration	47	documentation Delivered at place
enumeration	90	documentation not prepaid

annotation

documentation
Prepaidcode (given by the customer)

source

```
<xs:element name="PrepaidCodeCustomer">
  <xs:annotation>
    <xs:documentation>Prepaidcode (given by the customer)</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="10">
        <xs:annotation>
          <xs:documentation>prepaid freight</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="11">
        <xs:annotation>
          <xs:documentation>prepaid freight including... </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="12">
        <xs:annotation>
          <xs:documentation>prepaid freight including...up to border of origin
country</xs:documentation>
        </xs:annotation>
```

```
      </xs:enumeration>
      <xs:enumeration value="13">
        <xs:annotation>
          <xs:documentation>prepaid freight including...up to exit border of last
transit country </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="14">
        <xs:annotation>
          <xs:documentation>prepaid freight including...up to exit border of other
countries </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="15">
        <xs:annotation>
          <xs:documentation>prepaid freight up to border of origin country
</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="16">
        <xs:annotation>
          <xs:documentation>prepaid freight up to exit border of last transit
country</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="17">
        <xs:annotation>
          <xs:documentation>prepaid freight up to exit border of other countries
</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="20">
        <xs:annotation>
          <xs:documentation>prepaid all costs</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="42">
        <xs:annotation>
          <xs:documentation>Free carrier </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="43">
        <xs:annotation>
          <xs:documentation>Carriage paid to...</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="44">
        <xs:annotation>
          <xs:documentation>Delivered duty unpaid</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="45">
        <xs:annotation>
          <xs:documentation>Carriage insurance paid </xs:documentation>
        </xs:annotation>
```

```
      </xs:enumeration>
      <xs:enumeration value="46">
        <xs:annotation>
          <xs:documentation>Delivered at terminal</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="47">
        <xs:annotation>
          <xs:documentation>Delivered at place</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="90">
        <xs:annotation>
          <xs:documentation>not prepaid</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **PreviousConsignmentNumber**

diagram	**PreviousConsignmentNumber** This element shows the previous Reference number assigned to a consignment by a lead RU
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**ConsignmentIdent**
properties	content complex
annotation	documentation This element shows the previous Reference number assigned to a consignment by a lead RU

source	`<xs:element name="PreviousConsignmentNumber" type="ConsignmentIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>This element shows the previous Reference number assigned to a consignment by a lead RU</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

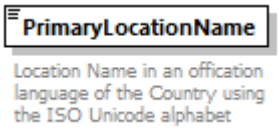
element **PreviousResponsibleRU**

diagram	**PreviousResponsibleRU** This element identifies the RU, who was responsible for the train operation on the journey section before an interchange point
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**

properties	content simple
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation This element identifies the RU, who was responsible for the train operation on the journey section before an interchange point

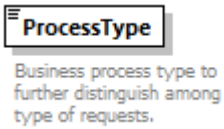
source	`<xs:element name="PreviousResponsibleRU" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>This element identifies the RU, who was responsible for the train operation on the journey section before an interchange point</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **PrimaryLocationName**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
used by	complexType **LocationIdent**
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Location Name in an offication language of the Country using the ISO Unicode alphabet

source	`<xs:element name="PrimaryLocationName" type="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>Location Name in an offication language of the Country using the ISO Unicode alphabet</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ProcessType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

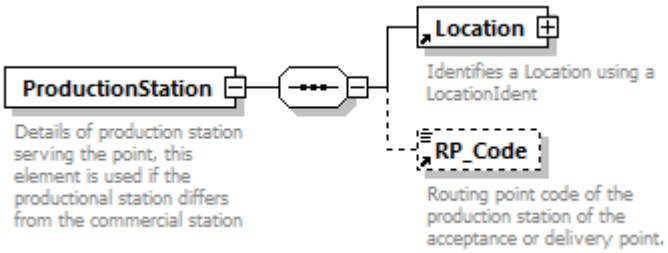
type	restriction of **xs:token**
properties	content simple
used by	elements **CapacityModelMessage** **ObjectInfoMessage** **PathCanceledMessage** **PathConfirmedMessage** **PathCoordinationMessage** **PathDetailsMessage** **PathDetailsRefusedMessage** **PathNotAvailableMessage** **PathRequestMessage** **PathSectionNotificationMessage**
facets	Kind / Value / Annotation enumeration 0 documentation New Path Request and allocation process for annual timetable enumeration 1 documentation Late Path Request and allocation process for annual timetable enumeration 2 documentation Ad hoc path request and allocation process enumeration 3 documentation Rolling Planning path request and allocation process enumeration 4 documentation Feasibility Study process enumeration 5 documentation Path Modification process (triggered by applicant) enumeration 6 documentation Path Alteration process (triggered by IM) enumeration 7 documentation Pre-arranged Path publication by RFC enumeration 8 documentation Catalogue Path publication by IM enumeration 10 documentation Path Cancellation process enumeration 11 documentation Path Utilisation notification process
annotation	documentation Business process type to further distinguish among type of requests.

source

```
<xs:element name="ProcessType">
  <xs:annotation>
    <xs:documentation>Business process type to further distinguish among type of
requests.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="0">
        <xs:annotation>
          <xs:documentation>New Path Request and allocation process for annual
timetable</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>Late Path Request and allocation process for annual
timetable</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>Ad hoc path request and allocation
process</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="3">
```

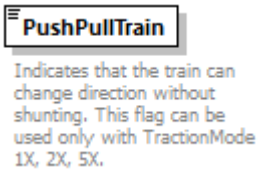
```
        <xs:annotation>
          <xs:documentation>Rolling Planning path request and allocation
process</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="4">
        <xs:annotation>
          <xs:documentation>Feasibility Study process</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="5">
        <xs:annotation>
          <xs:documentation>Path Modification process (triggered by
applicant)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="6">
        <xs:annotation>
          <xs:documentation>Path Alteration process (triggered by
IM)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="7">
        <xs:annotation>
          <xs:documentation>Pre-arranged Path publication by
RFC</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="8">
        <xs:annotation>
          <xs:documentation>Catalogue Path publication by IM</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="10">
        <xs:annotation>
          <xs:documentation>Path Cancellation process</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="11">
        <xs:annotation>
          <xs:documentation>Path Utilisation notification
process</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ProductionStation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Location** **RP_Code**
used by	elements **ConsignmentOrderMessage/COMS/COM/AcceptancePoint** **ConsignmentOrderMessage/COMS/COM/DeliveryPoint**
annotation	documentation Details of production station serving the point, this element is used if the productional station differs from the commercial station

source	`<xs:element name="ProductionStation">`
	`  <xs:annotation>`
	`  <xs:documentation>Details of production station serving the point, this element is used if the productional station differs from the commercial station</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Location"/>`
	`  <xs:element ref="RP_Code" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **PushPullTrain**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
used by	elements **GeneralParameters** **PassengerTrainData** **PlannedTrainData**
annotation	documentation Indicates that the train can change direction without shunting. This flag can be used only with TractionMode 1X, 2X, 5X.

source	`<xs:element name="PushPullTrain" type="xs:boolean">`
	`  <xs:annotation>`
	`  <xs:documentation>Indicates that the train can change direction without`

```
shunting. This flag can be used only with TractionMode 1X, 2X, 5X.</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **Quantity**

diagram	**Quantity** Amount of the loading tackles of the specified type.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	content simple
used by	elements **ConsignmentOrderMessage/COMS/COM/AttachedDocuments** **LoadingTackles**
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation Amount of the loading tackles of the specified type.

source

```
<xs:element name="Quantity">
  <xs:annotation>
    <xs:documentation>Amount of the loading tackles of the specified
type.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:int">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="99999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ReasonForRestriction**

diagram	**ReasonForRestriction** Gives an indication about the works regarding the TCR 10 SIGNAL 20 SWITCH 30 CATENARY 40 TRACK/RAIL 50 TUNNEL 60 BRIDGE 70 MISCELLANEOUS 80 MAINTENANCE 90 OTHER
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	restriction of **xs:token**
properties	content simple
used by	element **TCRSearchCriteria/ReasonForRestrictionSearch** complexType **TCRType**
facets	Kind Value Annotation enumeration 10 enumeration 20 enumeration 30 enumeration 40 enumeration 50 enumeration 60 enumeration 70 enumeration 80 enumeration 90
annotation	documentation Gives an indication about the works regarding the TCR 10 SIGNAL 20 SWITCH 30 CATENARY 40 TRACK/RAIL 50 TUNNEL 60 BRIDGE 70 MISCELLANEOUS 80 MAINTENANCE 90 OTHER

source

```
<xs:element name="ReasonForRestriction">
  <xs:annotation>
    <xs:documentation>
                    Gives an indication about the works regarding the TCR
10     SIGNAL
20     SWITCH
30     CATENARY
40     TRACK/RAIL
50     TUNNEL
60     BRIDGE
70     MISCELLANEOUS
80     MAINTENANCE
90     OTHER
                    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="10"/>
      <xs:enumeration value="20"/>
      <xs:enumeration value="30"/>
      <xs:enumeration value="40"/>
      <xs:enumeration value="50"/>
      <xs:enumeration value="60"/>
      <xs:enumeration value="70"/>
      <xs:enumeration value="80"/>
```

	`<xs:enumeration value="90"/>`
	`</xs:restriction>`
	`</xs:simpleType>`
	`</xs:element>`

element **ReasonOfReference**

diagram

ReasonOfReference

Indicates the reason/purpose of usage of element RelatedPlannedTransportIdentifier.

List of codes for element ReasonOfReference:
1000 = Same path offer is desired as for stated PathRequestMessage
(Additional information: For a train requested with more than one PathRequestMessage (all with different bitmaps(days)) offered (or nearly the same)
routing and timing at location in path offers for all PathRequestMessages (Additional information: desired by Responsible Applicant (if it is possible)
RPTID: All others PathRequestIDs)
1001 = Same path is desired as for stated train/path
(Additional information: For that path request the same (or nearly the same) path offer as for stated train/path is desired by: Responsible Applicant
(if it is possible) as for stated train/path (may be in a different bitmap) RPTID: TrainID or PathID)
1002 = Pull replacement of stated previous path
(Additional information: The current path given in PathDetailsMessage will replace the stated path fully after confirming the path offer.
The code is used to mark an alternative offer after PathNotAvailableMessage/PathCanceledMessage or path alteration by IM. Calendar of the previous path and the new path contain the same dates. The previous path doesn't exist anymore. RPTID: PathID)
1003 = Partial replacement of stated previous path
(Additional information: The current path given in PathDetailsMessage will replace the stated path partially after confirming the path offer.
The code is used to mark an alternative offer after PathNotAvailableMessage/PathCanceledMessage or path alteration by IM only for a part of
the previous
Calendar of offered path is only part of the calendar of former and changed path. The calendar of the previous path is longer (two days and shorter validity period) after confirmation of the offered path. RPTID: PathID)
1004 = Reference to sub train of Y-train bundle
(Additional information: The current PathRequestMessage contains the sub train of a Y-train bundle, the TrainID stated in RPTID is for
the sub train which will be joined with or splitted of the main train.)
1005 = Reference to main train of Y-train bundle
(Additional information: The current PathRequestMessage contains the sub train of a Y-train bundle. The TrainID stated in RPTID is for
the main train with which the sub train will be joined with or splitted of.)
1006 = Reference to another PathRequestMessage after interruption train's journey by a foreign infrastructure area
(Additional information: The referencing indicates that another PathRequestMessage (specifying PathRequestID as RPTID) for the same train exists after passing a foreign infrastructure area to continue train's journey.)
1007 = Reference to another PathRequestMessage after interruption train's journey by a foreign infrastructure area
(Additional information: The referencing indicates that another PathRequestMessage (specifying PathRequestID as RPTID) for the same train
exists before passing a foreign infrastructure area.)
1008 = Reference to further path offer for the PathRequestMessage
(Additional information: There are more than one path offer for the PathRequestMessage. RPTID: All other PathIDs.)
1009 = Reference to booked path before interruption by railway replacement traffic
(Additional information: The stated train/path is continued following a railway replacement traffic with that represented train/path. RPTID: PathID)
1010 = Reference to a PreArrangedPath
(Additional information: Reference to a PathID of existing PAR, which is to be used by an annual train requested with that PAM. RPTID: PathID)
1011 = Check the new train object shall be linked with the existing booked path for the specified validity period; no new path elaboration is needed.
(Additional information: The code is used, when a new train object has to be linked with an existing booked path for a specified validity period
and no new path elaboration is needed. It is used in modification process of planning phase only: UpdateLinkMessage and ObjectInfoMessage. Result: Interval path modification (reduce of validity period of calendar) for previous Path, New path with new PathID for
the specified validity period. RPTID: Previous PathID, New PathID)
1012 = New final offer to former draft offer
(Additional information: Reference to (old) draft offer (PathID) for which is a (different) new offer (TypeOfInformation : Final offer).
Code is used only in process modification (annual timetable). RPTID: : PathID of draft offer.)
1013 = Replaced path after modification by Responsible Applicant
(Additional information: Reference to replaced path when IM is making an offer after receiving PathRequestMessage sent by RA for
modification of booked path. Code is used only in Path Modification process in PathDetailsMessage. RPTID: PathID.)
1014 = New Route
(Additional information: Reference to previous Route replaced by the new Route)

1015 = Updated Route
(Additional information: Reference to the Route that is updated)
1016 = Reference to a related path request initially submitted to Pre-booking
5001 = Reference to another PathRequestMessage for path management in operations phase
Specific code only for one (IM/national codes:

D001 = Reference to an associated empty/transfer train
(Additional information: Stated train is a related train without passengers before or behind the current requested path for a train with
passengers. RPTID: TrainID.)
D002 = Reference to an associated main run
(Additional information: Stated train is a related train without passengers before or behind the current requested path for a train without
passengers. RPTID: TrainID.)
D003 = Choice stated PathRequestMessage
(Additional information: For path elaboration of current PathRequestMessage the stated PathRequestMessage should be considered.
RPTID: PathRequestID.)
D004 = Replacement of multiple
(Additional information: Pull or partial replacement of the named former train example: Change of passenger trainset (like ICE train).)
by set of bus and wagons in case of technical problems, delay or other reasons. It is used only in case of TrainID. RPTID: TrainID.)
D005 = Reference to a reserved capacity
(Additional information: Reference to a PathID to refer to a study offer (with booking option) as a result of the KPB process (internal process for a specific customer). D5 Nato). RPTID: PathID.)
D006 = Use of same CITN as of stated train
(Additional information: Reference to a train wants to use same CITN as a stated train because of all trains are part of same family.
The trains have only slightly differences on various days. RPTID: TrainID.)

D007 = PathID from a framework contract

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	element **Identifiers**
facets	Kind Value Annotation minLength 4 maxLength 4 enumeration 1000 documentation Same path offer is desired as for stated PathRequestMessage enumeration 1001 documentation Same path is desired as for stated train/path enumeration 1002 documentation Full replacement of stated previous path enumeration 1003 documentation Partial replacement of stated previous path enumeration 1004 documentation Reference to sub train of Y-train bundle enumeration 1005 documentation Reference to main train of Y-train bundle enumeration 1006 documentation Reference to another PathRequestMessage after interruption train's journey by a foreign infrastructure area enumeration 1007 documentation Reference to another PathRequestMessage before interruption train's journey by a foreign infrastructure area enumeration 1008 documentation Reference to further path offer for the PathRequestMessage enumeration 1009 documentation Reference to booked path before interruption by railway replacement traffic by bus enumeration 1010 documentation Reference to a PreArrangedPath enumeration 1011 documentation Only the new train object shall be linked with the existing booked path for the specified validity period; no new path elaboration is needed enumeration 1012 documentation New final offer to former draft offer enumeration 1013 documentation Replaced path after modification by ResponsibleApplicant enumeration 1014 documentation New Route enumeration 1015 documentation Updated Route enumeration 1016 documentation Reference to a related path request initially submitted to Pre-booking enumeration 5001 documentation Reference to another object on the basis of incident management in operations phase enumeration DE01 documentation Reference to an associated empty/transfer train enumeration DE02 documentation Reference to an associated main run enumeration DE03 documentation Notice stated PathRequestMessage enumeration DE04 documentation Replacement of stated train enumeration DE05 documentation Reference to a reserved capacity enumeration DE06 documentation

	enumeration DE07 Use of same OTN as of stated train documentation PathID from a framework contract
annotation	documentation Indicates the reason/purpose of usage of element RelatedPlannedTransportIdentifier. List of codes for element ReasonOfReference: 1000 = Same path offer is desired as for stated PathRequestMessage (Additional information: For a train requested with more than one PathRequestMessage (all with different bitmapdays) the same (or nearly the same) routing and timing at location in path offers for all PathRequestMessages (PathRequestIDs) is desired by Responsible Applicant (if it is possible). RPTID: All others PathRequestIDs). 1001 = Same path is desired as for stated train/path (Additional information: For that path request the same (or nearly the same) routing/path elaboration/offer is desired by Responsible Applicant (if it is possible) as for stated train/path (may be in a previous period). RPTID: TrainID or PathID). 1002 = Full replacement of stated previous path (Additional information:The current path given in PathDetailsMessage will replace the stated path fully after confirming the path offer. The code is used to mark an alternative offer after PathNotAvailableMessage/PathCanceledMessage or path alteration by IM. Calendar of previous path and offered path contain the same dates. The previous path doesn't exist anymore. RPTID: PathID). 1003 = Partial replacement of stated previous path (Additional information: The current path given in PathDetailsMessage will replace the stated path partially after confirming the path offer. The code is used to mark an alternative offer after PathNotAvailableMessage/PathCanceledMessage or path alteration by IM only for a part of the previous calendar/traffic days. Calendar of offered path is only part of the calendar of former and changed path. The calendar of the previous path has to changed (less days and shorter validity period) after confirmation of the offered path. RPTID: PathID). 1004 = Reference to sub train of Y-train bundle (Additional information: The current PathRequestMessage contains the main train of a Y-train bundle; the TrainID stated in RPTID is for the sub train which will be joined with or splitted of the main train.) 1005 = Reference to main train of Y-train bundle (Additional information: The current PathRequestMessage contains the sub train of a Y-train bundle. The TrainID stated in RPTID is for the main train with which the sub train will be joined with or splitted of.) 1006 = Reference to another PathRequestMessage after interruption train's journey by a foreign infrastructure area (Additional information: The referencing indicates that another PathRequestMessage (specifying PathRequestID as RPTID) for the same train exists after passing a foreign infrastructure area to continue train's journey.) 1007 = Reference to another PathRequestMessage before interruption train's journey by a foreign infrastructure area (Additional information: The referencing indicates that another PathRequestMessage (specifying PathRequestID as RPTID) for the same train exists before passing a foreign infrastructure area.) 1008 = Reference to further path offer for the PathRequestMessage (Additional information: There are more than one path offers for the PathRequestMessage. RPTID: All other PathID's.) 1009 = Reference to booked path before interruption by railway replacement traffic by bus (Additional information: The stated train/path is continued following a railway replacement traffic with that new requested train/path. RPTID: PathID). 1010 = Reference to a PreArrangedPath (Additional information: Reference to a PathID of existing PAP, which is to be used by an annual train requested with that PRM. RPTID: PathID). 1011 = Only the new train object shall be linked with the existing booked path for the specified validity period; no new path elaboration is needed (Additional information: The code is used, when a new train object has to be linked with an existing booked path for a specified validity period and no new path elaboration is needed. It is used in modification process of planning phase only instead of using

	UpdateLinkMessage and ObjectInfoMessage. Result: Internal path modification (reduce of validity period of calendar) for previous Path. New path with new PathID for the specified validity period. RPTID: Previous TrainID and PathID). 1012 = New final offer to former draft offer (Additional information: Reference to (old) draft offer in case of IM is making a (different) new offer (TypeOfInformation : Final offer). Code is used only in process PathRequest (annual timetable); RPTID : PathID of draft offer.) 1013 = Replaced path after modification by ResponsibleApplicant (Additional information: Reference to replaced path when IM is making an offer after receiving PathRequestMessage sent by RA for modification of booked path. Code is used only in Path Modification process in PathDetailsMessage. RPTID: PathID.) 1014 = New Route (Additional information: Reference to previous Route replaced by the new Route) 1015 = Updated Route (Additional information: Reference to the Route that is updated) 1016 = Reference to a related path request initially submitted to Pre-booking 5001 = Reference to another object on the basis of incident management in operations phase Specific code only for one IM/national codes: DE01 = Reference to an associated empty/transfer train (Additional information: Stated train is a related train without passengers before or behind the current requested path for a train with passengers. RPTID: TrainID.) DE02 = Reference to an associated main run (Additional information: Stated train is a related train with passengers before or behind the current requested path for a train without passengers. RPTID: TrainID.) DE03 = Notice stated PathRequestMessage (Additional information: For path elaboration of current PathRequestMessage the stated PathRequestMessage should be considered. RPTID: PathRequestID.) DE04 = Replacement of stated train (Additional information: Full or partial replacement of the named former train; example: Change of passenger trainset (like ICE or TGV) by set of loco and wagons in case of technical problems, delay or other reasons. It is not only change of TrainID. RPTID: TrainID.) DE05 = Reference to a reserved capacity (Additional information: This code can be used to refer to a study offer (with booking option) as a result of the KFB process (internal process for a specific product of DB Netz). RPTID: PathID.) DE06 = Use of same OTN as of stated train (Additional information: Responsible Applicant wants to use same OTN as in stated train because of all trains are part of same family. The trains have only slightly differences on various days. RPTID: TrainID.) DE07 = PathID from a framework contract

source	`<xs:element name="ReasonOfReference">`
	`  <xs:annotation>`
	`  <xs:documentation>Indicates the reason/purpose of usage of element RelatedPlannedTransportIdentifier.`
	
	`List of codes for element ReasonOfReference:`
	`1000 = Same path offer is desired as for stated PathRequestMessage`
	`  (Additional information: For a train requested with more than one PathRequestMessage (all with different bitmapdays) the same (or nearly the same)`
	`  routing and timing at location in path offers for all PathRequestMessages`

	(PathRequestIDs) is desired by Responsible Applicant (if it is possible). RPTID: All others PathRequestIDs). 1001 = Same path is desired as for stated train/path (Additional information: For that path request the same (or nearly the same) routing/path elaboration/offer is desired by Responsible Applicant (if it is possible) as for stated train/path (may be in a previous period). RPTID: TrainID or PathID). 1002 = Full replacement of stated previous path (Additional information:The current path given in PathDetailsMessage will replace the stated path fully after confirming the path offer. The code is used to mark an alternative offer after PathNotAvailableMessage/PathCanceledMessage or path alteration by IM. Calendar of previous path and offered path contain the same dates. The previous path doesn't exist anymore. RPTID: PathID). 1003 = Partial replacement of stated previous path (Additional information: The current path given in PathDetailsMessage will replace the stated path partially after confirming the path offer. The code is used to mark an alternative offer after PathNotAvailableMessage/PathCanceledMessage or path alteration by IM only for a part of the previous calendar/traffic days. Calendar of offered path is only part of the calendar of former and changed path. The calendar of the previous path has to changed (less days and shorter validity period) after confirmation of the offered path. RPTID: PathID). 1004 = Reference to sub train of Y-train bundle (Additional information: The current PathRequestMessage contains the main train of a Y-train bundle; the TrainID stated in RPTID is for the sub train which will be joined with or splitted of the main train.) 1005 = Reference to main train of Y-train bundle (Additional information: The current PathRequestMessage contains the sub train of a Y-train bundle. The TrainID stated in RPTID is for the main train with which the sub train will be joined with or splitted of.) 1006 = Reference to another PathRequestMessage after interruption train's journey by a foreign infrastructure area (Additional information: The referencing indicates that another PathRequestMessage (specifying PathRequestID as RPTID) for the same train exists after passing a foreign infrastructure area to continue train's journey.) 1007 = Reference to another PathRequestMessage before interruption train's journey by a foreign infrastructure area (Additional information: The referencing indicates that another PathRequestMessage (specifying PathRequestID as RPTID) for the same train exists before passing a foreign infrastructure area.) 1008 = Reference to further path offer for the PathRequestMessage (Additional information: There are more than one path offers for the PathRequestMessage. RPTID: All other PathID's.) 1009 = Reference to booked path before interruption by railway replacement traffic by bus (Additional information: The stated train/path is continued following a railway replacement traffic with that new requested train/path. RPTID: PathID). 1010 = Reference to a PreArrangedPath (Additional information: Reference to a PathID of existing PAP, which is to be used by an annual train requested with that PRM. RPTID: PathID). 1011 = Only the new train object shall be linked with the existing booked path for the specified validity period; no new path elaboration is needed (Additional information: The code is used, when a new train object has to be linked

```
with an existing booked path for a specified validity period
    and no new path elaboration is needed. It is used in modification process of
planning phase only instead of using UpdateLinkMessage and
    ObjectInfoMessage. Result: Internal path modification (reduce of validity period
of calendar) for previous Path. New path with new PathID for
    the specified validity period. RPTID: Previous TrainID and PathID).
1012 = New final offer to former draft offer
    (Additional information: Reference to (old) draft offer in case of IM is making
a (different) new offer (TypeOfInformation : Final offer).
    Code is used only in process PathRequest (annual timetable); RPTID : PathID of
draft offer.)
1013 = Replaced path after modification by ResponsibleApplicant
    (Additional information: Reference to replaced path when IM is making an offer
after receiving PathRequestMessage sent by RA for
    modification of booked path. Code is used only in Path Modification process in
PathDetailsMessage. RPTID: PathID.)
1014 = New Route
    (Additional information: Reference to previous Route replaced by the new Route)

1015 = Updated Route
    (Additional information: Reference to the Route that is updated)
1016 = Reference to a related path request initially submitted to Pre-booking
5001 = Reference to another object on the basis of incident management in operations
phase
Specific code only for one IM/national codes:

DE01 = Reference to an associated empty/transfer train
    (Additional information: Stated train is a related train without passengers
before or behind the current requested path for a train with
    passengers. RPTID: TrainID.)
DE02 = Reference to an associated main run
    (Additional information: Stated train is a related train with passengers before
or behind the current requested path for a train without
    passengers. RPTID: TrainID.)
DE03 = Notice stated PathRequestMessage
    (Additional information: For path elaboration of current PathRequestMessage the
stated PathRequestMessage should be considered.
    RPTID: PathRequestID.)
DE04 = Replacement of stated train
    (Additional information: Full or partial replacement of the named former train;
example: Change of passenger trainset (like ICE or TGV)
    by set of loco and wagons in case of technical problems, delay or other reasons.
It is not only change of TrainID. RPTID: TrainID.)
DE05 = Reference to a reserved capacity
    (Additional information: This code can be used to refer to a study offer (with
booking option) as a result of the KFB process (internal
    process for a specific product of DB Netz). RPTID: PathID.)
DE06 = Use of same OTN as of stated train
    (Additional information: Responsible Applicant wants to use same OTN as in stated
train because of all trains are part of same family.
    The trains have only slightly differences on various days. RPTID: TrainID.)
DE07 = PathID from a framework contract
</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
```

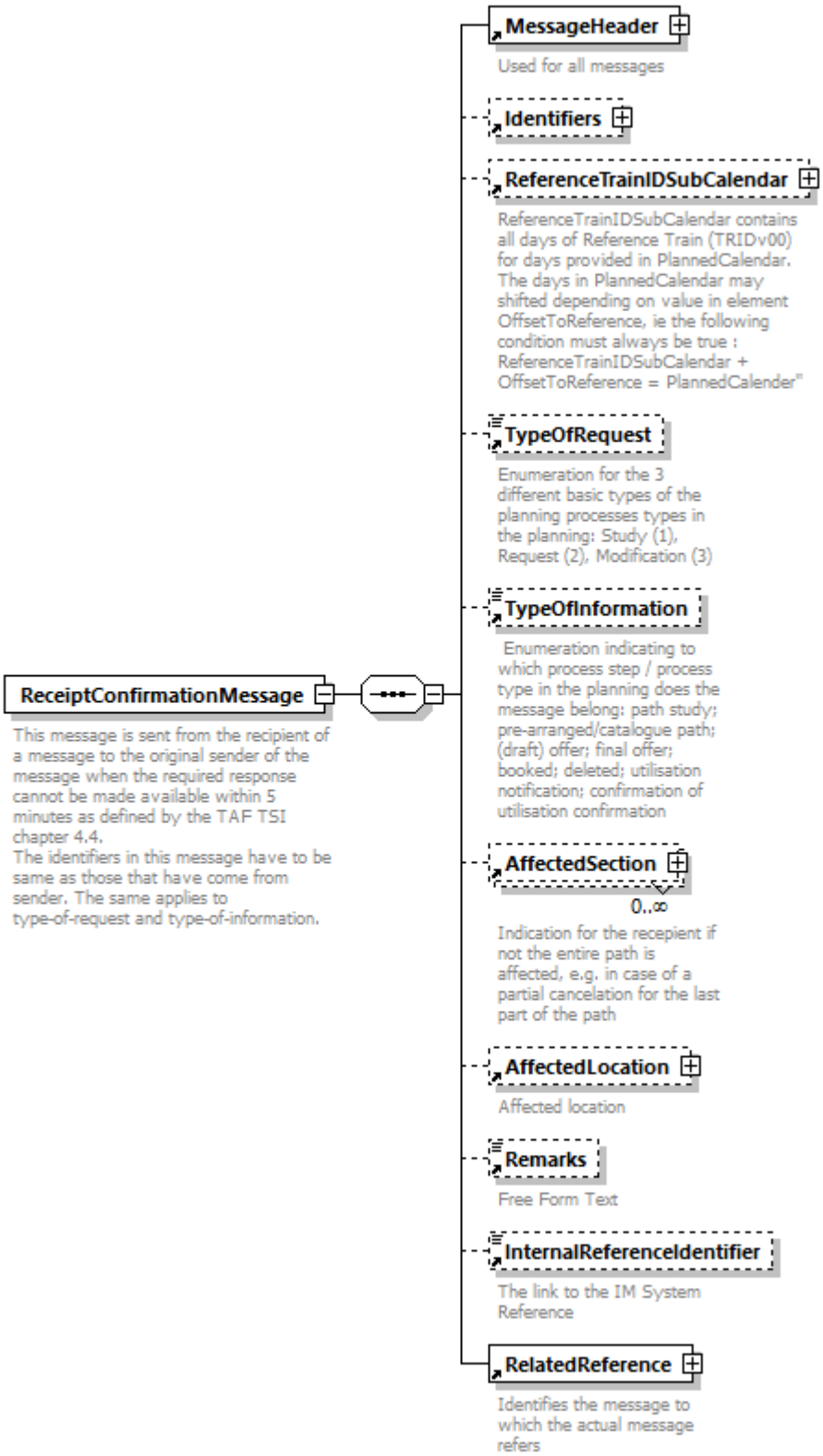
```
    <xs:restriction base="xs:string">
      <xs:minLength value="4"/>
      <xs:maxLength value="4"/>
      <xs:enumeration value="1000">
        <xs:annotation>
          <xs:documentation>Same path offer is desired as for stated
PathRequestMessage</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1001">
        <xs:annotation>
          <xs:documentation>Same path is desired as for stated
train/path</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1002">
        <xs:annotation>
          <xs:documentation>Full replacement of stated previous
path</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1003">
        <xs:annotation>
          <xs:documentation>Partial replacement of stated previous
path</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1004">
        <xs:annotation>
          <xs:documentation>Reference to sub train of Y-train
bundle</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1005">
        <xs:annotation>
          <xs:documentation>Reference to main train of Y-train
bundle</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1006">
        <xs:annotation>
          <xs:documentation>Reference to another PathRequestMessage after
interruption train’s journey by a foreign infrastructure area</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1007">
        <xs:annotation>
          <xs:documentation>Reference to another PathRequestMessage before
interruption train’s journey by a foreign infrastructure area</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1008">
        <xs:annotation>
          <xs:documentation>Reference to further path offer for the
PathRequestMessage</xs:documentation>
```

```
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1009">
        <xs:annotation>
          <xs:documentation>Reference to booked path before interruption by railway
replacement traffic by bus</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1010">
        <xs:annotation>
          <xs:documentation>Reference to a PreArrangedPath</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1011">
        <xs:annotation>
          <xs:documentation>Only the new train object shall be linked with the
existing booked path for the specified validity period; no new path elaboration is
needed</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1012">
        <xs:annotation>
          <xs:documentation>New final offer to former draft
offer</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1013">
        <xs:annotation>
          <xs:documentation>Replaced path after modification by
ResponsibleApplicant</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1014">
        <xs:annotation>
          <xs:documentation>New Route</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1015">
        <xs:annotation>
          <xs:documentation>Updated Route</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1016">
        <xs:annotation>
          <xs:documentation>Reference to a related path request initially submitted
to Pre-booking</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="5001">
        <xs:annotation>
          <xs:documentation>Reference to another object on the basis of incident
management in operations phase</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="DE01">
```

```
        <xs:annotation>
          <xs:documentation>Reference to an associated empty/transfer
train</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="DE02">
        <xs:annotation>
          <xs:documentation>Reference to an associated main run</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="DE03">
        <xs:annotation>
          <xs:documentation>Notice stated PathRequestMessage</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="DE04">
        <xs:annotation>
          <xs:documentation>Replacement of stated train</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="DE05">
        <xs:annotation>
          <xs:documentation>Reference to a reserved capacity</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="DE06">
        <xs:annotation>
          <xs:documentation>Use of same OTN as of stated train</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="DE07">
        <xs:annotation>
          <xs:documentation>PathID from a framework contract</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ReceiptConfirmationMessage**

diagram



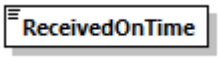
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

properties	content complex
children	**MessageHeader** **Identifiers** **ReferenceTrainIDSubCalendar** **TypeOfRequest** **TypeOfInformation** **AffectedSection** **AffectedLocation** **Remarks** **InternalReferenceIdentifier** **RelatedReference**
annotation	documentation This message is sent from the recipient of a message to the original sender of the message when the required response cannot be made available within 5 minutes as defined by the TAF TSI chapter 4.4. The identifiers in this message have to be same as those that have come from sender. The same applies to type-of-request and type-of-information.

source

```
<xs:element name="ReceiptConfirmationMessage">
  <xs:annotation>
    <xs:documentation>This message is sent from the recipient of a message to the
original sender of the message when the required response cannot be made available
within 5 minutes as defined by the TAF TSI chapter 4.4.
The identifiers in this message have to be same as those that have come from sender.
The same applies to type-of-request and type-of-information.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="Identifiers" minOccurs="0"/>
      <xs:element ref="ReferenceTrainIDSubCalendar" minOccurs="0"/>
      <xs:element ref="TypeOfRequest" minOccurs="0"/>
      <xs:element ref="TypeOfInformation" minOccurs="0"/>
      <xs:element ref="AffectedSection" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="AffectedLocation" minOccurs="0"/>
      <xs:element ref="Remarks" minOccurs="0"/>
      <xs:element ref="InternalReferenceIdentifier" minOccurs="0"/>
      <xs:element ref="RelatedReference"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ReceivedOnTime**

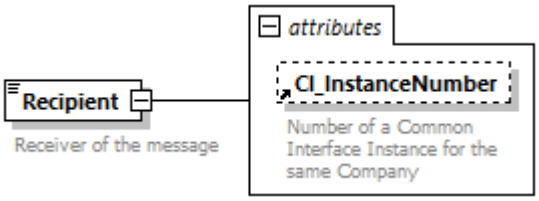
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
used by	element **PathCoordinationMessage**

source

```
<xs:element name="ReceivedOnTime"/>
```

element **Recipient**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **CompanyCode**
properties	content complex
used by	element **MessageHeader**
facets	Kind / Value / Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
attributes	Name / Type / Use / Default / Fixed / Annotation CI_InstanceNumber / **Numeric2-2** / / / / documentation: Number of a Common Interface Instance for the same Company
annotation	documentation Receiver of the message

source	`<xs:element name="Recipient">`
	`  <xs:annotation>`
	`  <xs:documentation>Receiver of the message</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:simpleContent>`
	`  <xs:extension base="CompanyCode">`
	`  <xs:attribute ref="CI_InstanceNumber"/>`
	`  </xs:extension>`
	`  </xs:simpleContent>`
	`  </xs:complexType>`
	`</xs:element>`

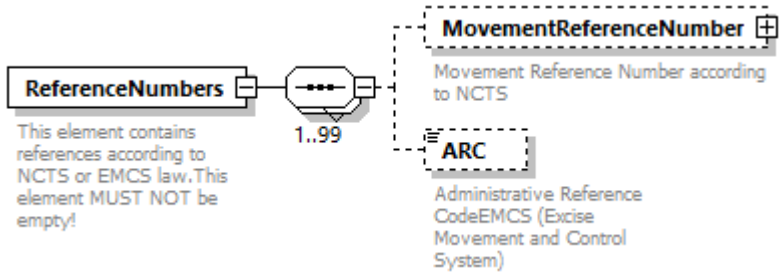
element **ReferencedLocationDateTime**

diagram	**ReferencedLocationDateTime** Reference to original planned Date and Time agreed by all involved IMs and RUs.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	elements **DelayEventForecast** **DelayEventReport** **InterruptionPoint** **TrainAtLocation** **TrainLocationReport**
annotation	documentation Reference to original planned Date and Time agreed by all involved IMs and RUs.

source	`<xs:element name="ReferencedLocationDateTime" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Reference to original planned Date and Time agreed by all involved IMs and RUs. </xs:documentation>`
	`  </xs:annotation>`

	`</xs:element>`

element **ReferenceNumbers**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MovementReferenceNumber** **ARC**
used by	elements **Wagons/GoodsInWagon** **ILU_Details** **ITU_Details**
annotation	documentation This element contains references according to NCTS or EMCS law.This element MUST NOT be empty!

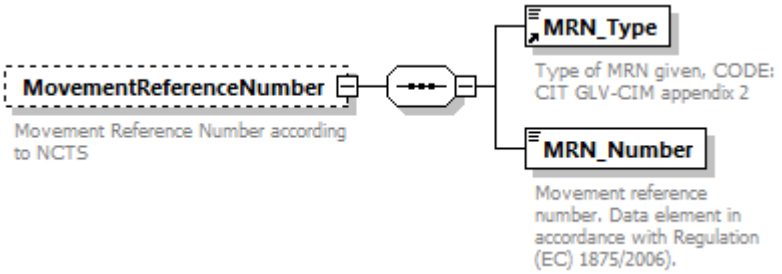
source

```
<xs:element name="ReferenceNumbers">
  <xs:annotation>
    <xs:documentation>This element contains references according to NCTS or EMCS
law.This element MUST NOT be empty!</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence maxOccurs="99">
      <xs:element name="MovementReferenceNumber" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Movement Reference Number according to
NCTS</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="MRN_Type"/>
            <xs:element name="MRN_Number">
              <xs:annotation>
                <xs:documentation>Movement reference number. Data element in
accordance with Regulation (EC) 1875/2006).</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:minLength value="1"/>
                  <xs:maxLength value="21"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="ARC" minOccurs="0">
```

```
        <xs:annotation>
          <xs:documentation>Administrative Reference CodeEMCS (Excise Movement and
Control System)</xs:documentation>
          <xs:documentation>CODE: EU (EC) No 684/2009</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:length value="21"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ReferenceNumbers/MovementReferenceNumber**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**MRN_Type** **MRN_Number**
annotation	documentation Movement Reference Number according to NCTS

source

```
<xs:element name="MovementReferenceNumber" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Movement Reference Number according to
NCTS</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MRN_Type"/>
      <xs:element name="MRN_Number">
        <xs:annotation>
          <xs:documentation>Movement reference number. Data element in accordance
with Regulation (EC) 1875/2006).</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="21"/>
          </xs:restriction>
        </xs:simpleType>
```

```
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ReferenceNumbers/MovementReferenceNumber/MRN_Number**

diagram	MRN_Number Movement reference number. Data element in accordance with Regulation (EC) 1875/2006).
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 21
annotation	documentation Movement reference number. Data element in accordance with Regulation (EC) 1875/2006).

source

```
<xs:element name="MRN_Number">
  <xs:annotation>
    <xs:documentation>Movement reference number. Data element in accordance with
Regulation (EC) 1875/2006).</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="21"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ReferenceNumbers/ARC**

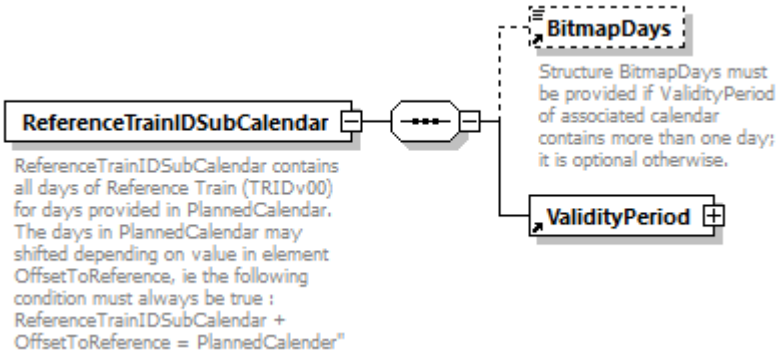
diagram	ARC Administrative Reference CodeEMCS (Excise Movement and Control System)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation length 21

annotation	documentation Administrative Reference CodeEMCS (Excise Movement and Control System) documentation CODE: EU (EC) No 684/2009
source	<xs:element name="ARC" minOccurs="0"> <xs:annotation> <xs:documentation>Administrative Reference CodeEMCS (Excise Movement and Control System)</xs:documentation> <xs:documentation>CODE: EU (EC) No 684/2009</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="21"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ReferenceOTN**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**OperationalTrainNumberIdentifier**
used by	elements **TrainOrCoachGroupComposition/Unit/ItineraryOfCoachOrTrainset/AssociatedTrain** **ChangeOfTrackMessage** **PassengerTrainCompositionMessage** **RollingStockRestrictionMessage** **RunningStatusReportMessage** **TrainAtLocation** **TrainCompositionMessage** **TrainDelayCauseMessage** **TrainForecastedDelayCauseMessage** **TrainJourneyModificationMessage** **TrainReadyMessage** **TrainRunningForecastMessage** **TrainRunningInformationMessage** **TrainRunningInterruptionMessage**
source	<xs:element name="ReferenceOTN"> <xs:complexType> <xs:sequence> <xs:element ref="OperationalTrainNumberIdentifier"/> </xs:sequence> </xs:complexType> </xs:element>

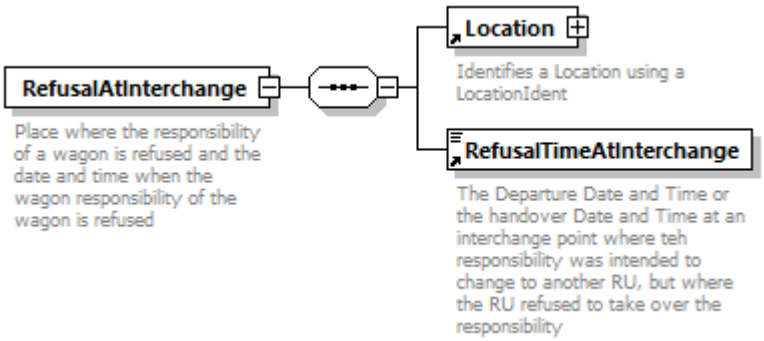
element **ReferenceTrainIDSubCalendar**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**BitmapDays** **ValidityPeriod**
used by	elements **ObjectInfoMessage** **UpdateLinkMessage/Operation** **PathCanceledMessage** **PathConfirmedMessage** **PathCoordinationMessage** **PathDetailsMessage** **PathDetailsRefusedMessage** **PathNotAvailableMessage** **PathRequestMessage** **ReceiptConfirmationMessage**
annotation	documentation ReferenceTrainIDSubCalendar contains all days of Reference Train (TRIDv00) for days provided in PlannedCalendar. The days in PlannedCalendar may shifted depending on value in element OffsetToReference, ie the following condition must always be true : ReferenceTrainIDSubCalendar + OffsetToReference = PlannedCalender"

source

```
<xs:element name="ReferenceTrainIDSubCalendar">
  <xs:annotation>
    <xs:documentation>ReferenceTrainIDSubCalendar contains all days of Reference
Train (TRIDv00) for days provided in PlannedCalendar. The days in PlannedCalendar
may shifted depending on value in element OffsetToReference, ie the following
condition must always be true :  ReferenceTrainIDSubCalendar + OffsetToReference =
PlannedCalender"</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="BitmapDays" minOccurs="0"/>
      <xs:element ref="ValidityPeriod"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RefusalAtInterchange**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Location** **RefusalTimeAtInterchange**
used by	element **WagonRefusedAtInterchangeMessage**
annotation	documentation Place where the responsibility of a wagon is refused and the date and time when the wagon responsibility of the wagon is refused

source	`<xs:element name="RefusalAtInterchange">`
	`  <xs:annotation>`
	`  <xs:documentation>Place where the responsibility of a wagon is refused and the date and time when the wagon responsibility of the wagon is refused</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Location"/>`
	`  <xs:element ref="RefusalTimeAtInterchange"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **RefusalCode**

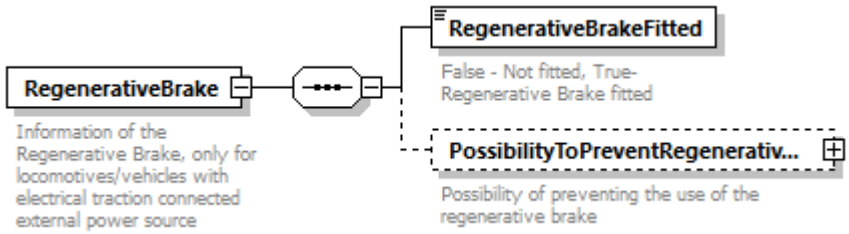
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	element **RollingStockDatasetMessage/RefusedWagonNumbers**
facets	Kind / Value / Annotation enumeration / 1 / documentation Data not authorised by Wagon Keeper enumeration / 2 / documentation Wagon number freight unknown

annotation	documentation Code List Candidate
source	<xs:element name="RefusalCode"> <xs:annotation> <xs:documentation>Code List Candidate</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>Data not authorised by Wagon Keeper</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="2"> <xs:annotation> <xs:documentation>Wagon number freight unknown</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element>

element **RefusalTimeAtInterchange**

diagram	**RefusalTimeAtInterchange** The Departure Date and Time or the handover Date and Time at an interchange point where teh responsibility was intended to change to another RU, but where the RU refused to take over the responsibility
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	element **RefusalAtInterchange**
annotation	documentation The Departure Date and Time or the handover Date and Time at an interchange point where teh responsibility was intended to change to another RU, but where the RU refused to take over the responsibility
source	<xs:element name="RefusalTimeAtInterchange" type="xs:dateTime">\ <xs:annotation> <xs:documentation>The Departure Date and Time or the handover Date and Time at an interchange point where teh responsibility was intended to change to another RU, but where the RU refused to take over the responsibility</xs:documentation> </xs:annotation> </xs:element>

element **RegenerativeBrake**

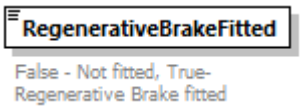
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**RegenerativeBrakeFitted** **PossibilityToPreventRegenerativeBrake**
used by	elements **TrainCompositionJourneySection/LocoIdent** **UnitData**
annotation	documentation Information of the Regenerative Brake, only for locomotives/vehicles with electrical traction connected external power source

source

```
<xs:element name="RegenerativeBrake">
  <xs:annotation>
    <xs:documentation>Information of the Regenerative Brake, only for
locomotives/vehicles with electrical traction connected external power source
</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="RegenerativeBrakeFitted" type="xs:boolean" minOccurs="1">
        <xs:annotation>
          <xs:documentation>False - Not fitted, True- Regenerative Brake
fitted</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="PossibilityToPreventRegenerativeBrake" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Possibility of preventing the use of the regenerative
brake </xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="PossibilityToPreventUseOfRegenerativeBrake"
type="xs:boolean" minOccurs="1">
              <xs:annotation>
                <xs:documentation>False - not fitted, True - fitted the possibility
of preventing the use of the regenerative brake </xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="RegenerativeBrakePreventionInUse" type="xs:boolean"
minOccurs="1">
              <xs:annotation>
                <xs:documentation>False - Regenerative Brake Prevention not in use,
True Regenerative Brake Prevention in use (obligatory if fitted with the possibility
of preventing the use of the regenerative brake)</xs:documentation>
              </xs:annotation>
            </xs:element>
```

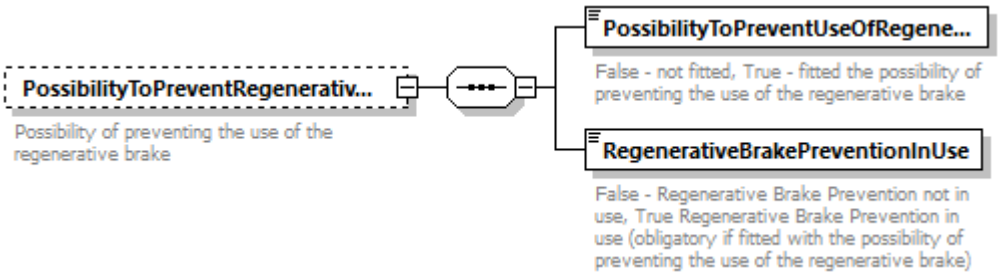
```
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
```

element **RegenerativeBrake/RegenerativeBrakeFitted**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
annotation	documentation False - Not fitted, True- Regenerative Brake fitted

source	`<xs:element name="RegenerativeBrakeFitted" type="xs:boolean" minOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>False - Not fitted, True- Regenerative Brake fitted</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RegenerativeBrake/PossibilityToPreventRegenerativeBrake**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**PossibilityToPreventUseOfRegenerativeBrake** **RegenerativeBrakePreventionInUse**
annotation	documentation Possibility of preventing the use of the regenerative brake

source	`<xs:element name="PossibilityToPreventRegenerativeBrake" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Possibility of preventing the use of the regenerative brake</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`

```
    <xs:sequence>
      <xs:element name="PossibilityToPreventUseOfRegenerativeBrake"
type="xs:boolean" minOccurs="1">
        <xs:annotation>
          <xs:documentation>False - not fitted, True - fitted the possibility of
preventing the use of the regenerative brake </xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="RegenerativeBrakePreventionInUse" type="xs:boolean"
minOccurs="1">
        <xs:annotation>
          <xs:documentation>False - Regenerative Brake Prevention not in use, True
Regenerative Brake Prevention in use (obligatory if fitted with the possibility of
preventing the use of the regenerative brake)</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RegenerativeBrake/PossibilityToPreventRegenerativeBrake/PossibilityToPreventUseOfRegenerativeBrake**

diagram	PossibilityToPreventUseOfRegene... False - not fitted, True - fitted the possibility of preventing the use of the regenerative brake
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
annotation	documentation False - not fitted, True - fitted the possibility of preventing the use of the regenerative brake

source	`<xs:element name="PossibilityToPreventUseOfRegenerativeBrake" type="xs:boolean" minOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>False - not fitted, True - fitted the possibility of preventing the use of the regenerative brake </xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

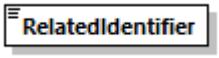
element **RegenerativeBrake/PossibilityToPreventRegenerativeBrake/RegenerativeBrakePreventionInUse**

diagram	RegenerativeBrakePreventionInUse False - Regenerative Brake Prevention not in use, True Regenerative Brake Prevention in use (obligatory if fitted with the possibility of preventing the use of the regenerative brake)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

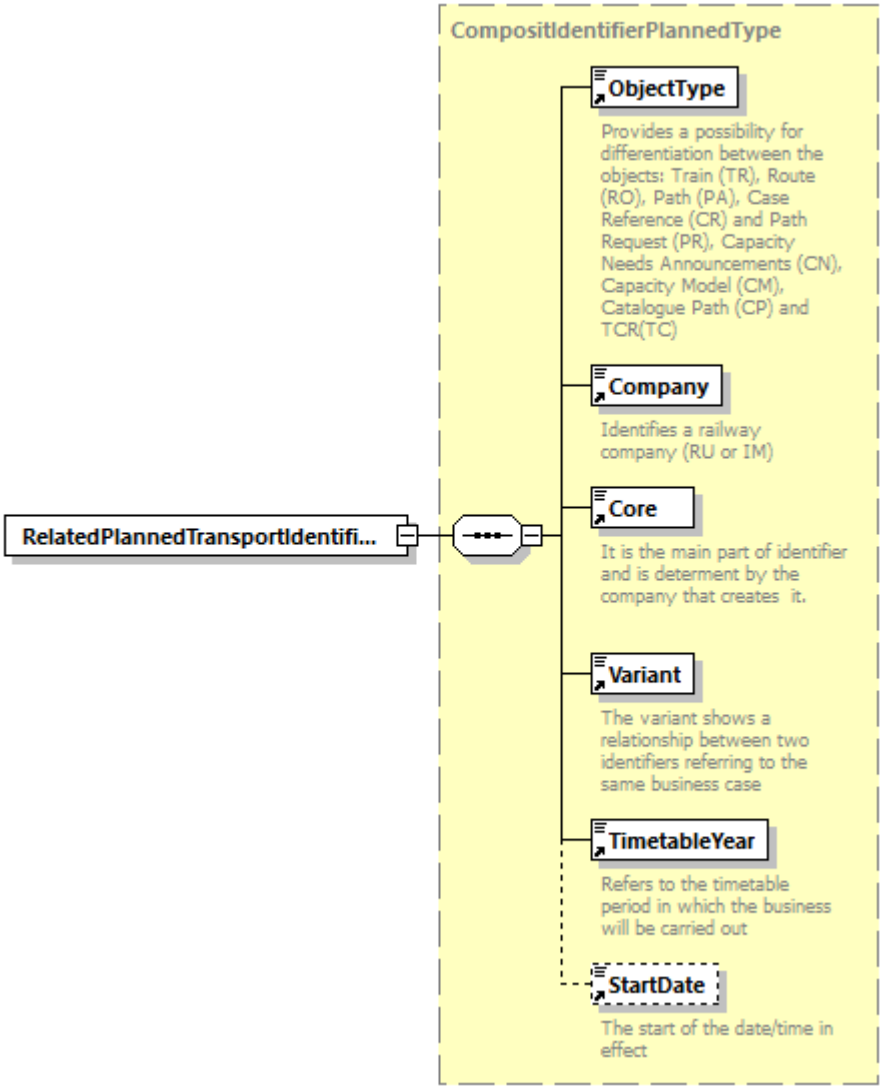
type	**xs:boolean**
properties	content simple
annotation	documentation False - Regenerative Brake Prevention not in use, True Regenerative Brake Prevention in use (obligatory if fitted with the possibility of preventing the use of the regenerative brake)

source	`<xs:element name="RegenerativeBrakePreventionInUse" type="xs:boolean" minOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>False - Regenerative Brake Prevention not in use, True Regenerative Brake Prevention in use (obligatory if fitted with the possibility of preventing the use of the regenerative brake)</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

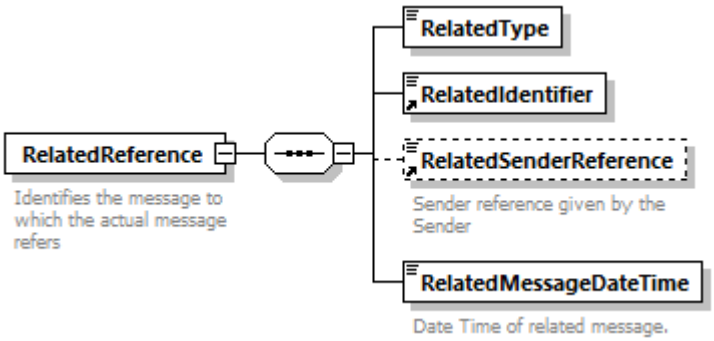
element **RelatedIdentifier**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
used by	element **RelatedReference**
facets	Kind Value Annotation minLength 1 maxLength 255
source	`<xs:element name="RelatedIdentifier" type="FreeText"/>`

element **RelatedPlannedTransportIdentifiers**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompositIdentifierPlannedType**
properties	content complex
children	**ObjectType** **Company** **Core** **Variant** **TimetableYear** **StartDate**
used by	element **Identifiers**
source	`<xs:element name="RelatedPlannedTransportIdentifiers" type="CompositIdentifierPlannedType"/>`

element **RelatedReference**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**RelatedType** **RelatedIdentifier** **RelatedSenderReference** **RelatedMessageDateTime**
used by	elements **ReceiptConfirmationMessage** **WagonETI_ETA_Message** **WagonReceivedAtInterchangeMessage** **WagonRefusedAtInterchangeMessage**
annotation	documentation Identifies the message to which the actual message refers

source

```
<xs:element name="RelatedReference">
  <xs:annotation>
    <xs:documentation>Identifies the message to which the actual message
refers</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="RelatedType" type="MessageCode"/>
      <xs:element ref="RelatedIdentifier"/>
      <xs:element ref="RelatedSenderReference" minOccurs="0"/>
      <xs:element name="RelatedMessageDateTime" type="xs:dateTime">
        <xs:annotation>
          <xs:documentation>Date Time of related message. </xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RelatedReference/RelatedType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**MessageCode**
properties	content simple
facets	Kind / Value / Annotation minInclusive 1 maxInclusive 9999

source	`<xs:element name="RelatedType" type="MessageCode"/>`

element **RelatedReference/RelatedMessageDateTime**

diagram	**RelatedMessageDateTime** Date Time of related message.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
annotation	documentation Date Time of related message.

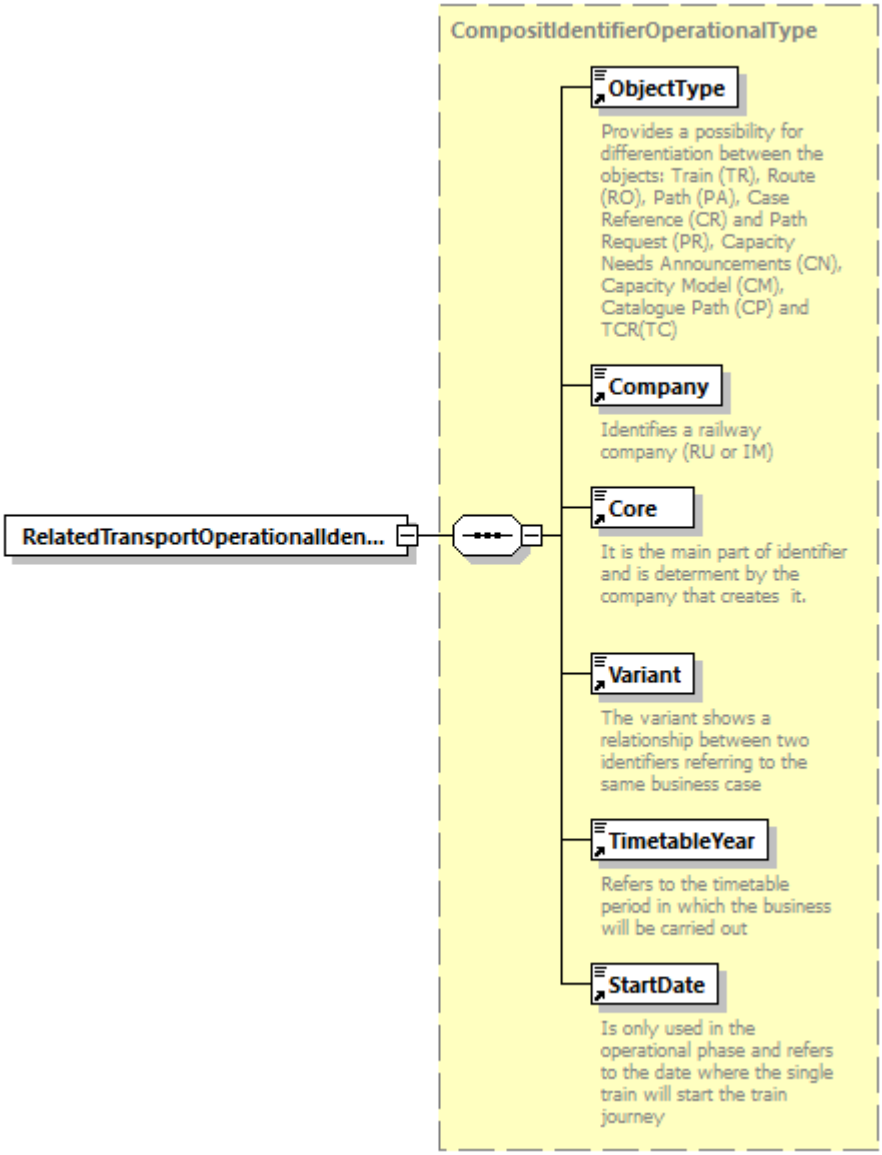
source	`<xs:element name="RelatedMessageDateTime" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Date Time of related message. </xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RelatedSenderReference**

diagram	**RelatedSenderReference** Sender reference given by the Sender
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
used by	element **RelatedReference**
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Sender reference given by the Sender

source	`<xs:element name="RelatedSenderReference" type="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>Sender reference given by the Sender</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RelatedTransportOperationalIdentifiers**

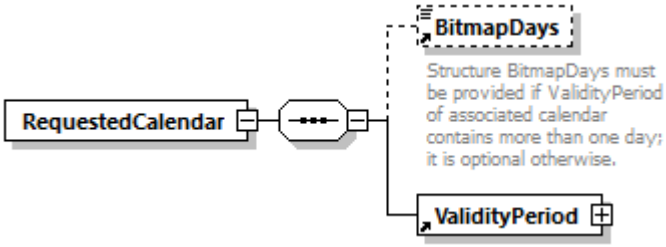
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompositIdentifierOperationalType**
properties	content complex
children	**ObjectType** **Company** **Core** **Variant** **TimetableYear** **StartDate**
used by	element **TrainOperationalIdentification**
source	`<xs:element name="RelatedTransportOperationalIdentifiers" type="CompositIdentifierOperationalType"/>`

element **Remarks**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
used by	elements **DelayCauseTime** **InterruptionPoint** **PassengerTrainCompositionMessage** **ReceiptConfirmationMessage** **TrainJourneyModificationMessage**
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Free Form Text

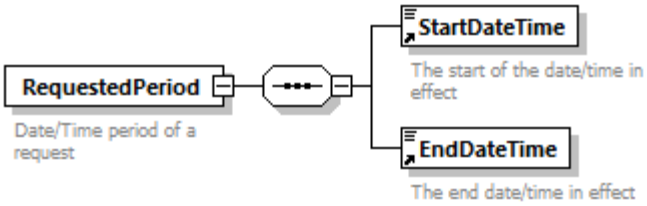
source	`<xs:element name="Remarks" type="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>Free Form Text</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RequestedCalendar**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**BitmapDays** **ValidityPeriod**
used by	element **PathInformation**

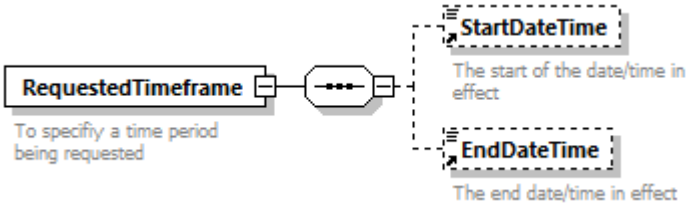
source	`<xs:element name="RequestedCalendar">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="BitmapDays" minOccurs="0"/>`
	`  <xs:element ref="ValidityPeriod"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **RequestedPeriod**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**StartDateTime** **EndDateTime**
annotation	documentation Date/Time period of a request

source	`<xs:element name="RequestedPeriod">`
	`  <xs:annotation>`
	`  <xs:documentation>Date/Time period of a request</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="StartDateTime"/>`
	`  <xs:element ref="EndDateTime"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **RequestedTimeframe**

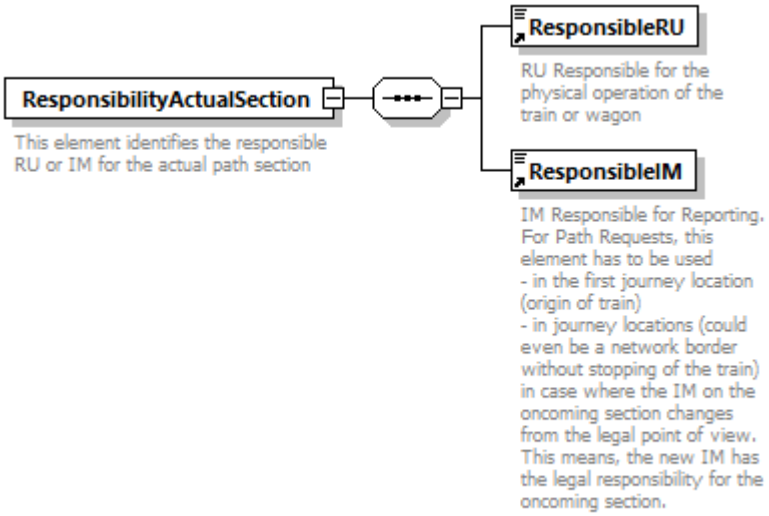
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**StartDateTime** **EndDateTime**
annotation	documentation To specifiy a time period being requested

source	`<xs:element name="RequestedTimeframe">`
	`  <xs:annotation>`
	`  <xs:documentation>To specifiy a time period being requested</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="StartDateTime" minOccurs="0"/>`
	`  <xs:element ref="EndDateTime" minOccurs="0"/>`
	`  </xs:sequence>`

```
  </xs:complexType>
</xs:element>
```

element **ResponsibilityActualSection**

diagram

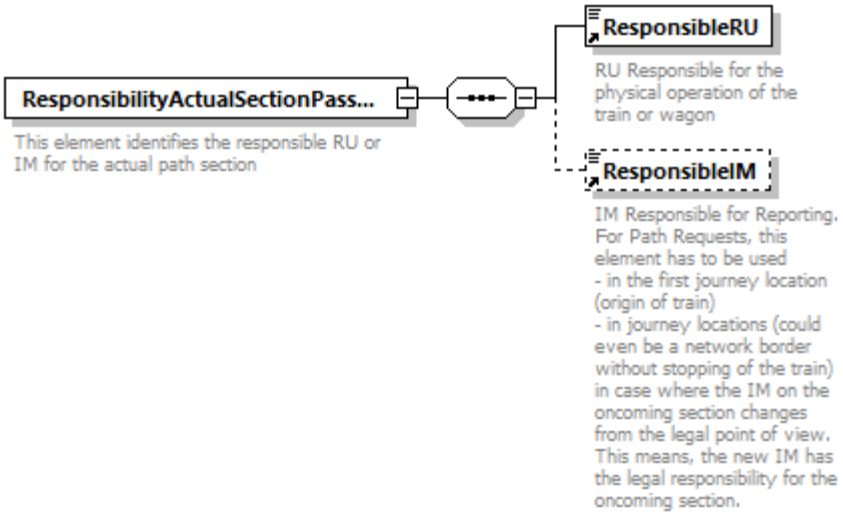


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**ResponsibleRU** **ResponsibleIM**
used by	elements **JourneySection** **PassengerJourneySection**
annotation	documentation This element identifies the responsible RU or IM for the actual path section

source

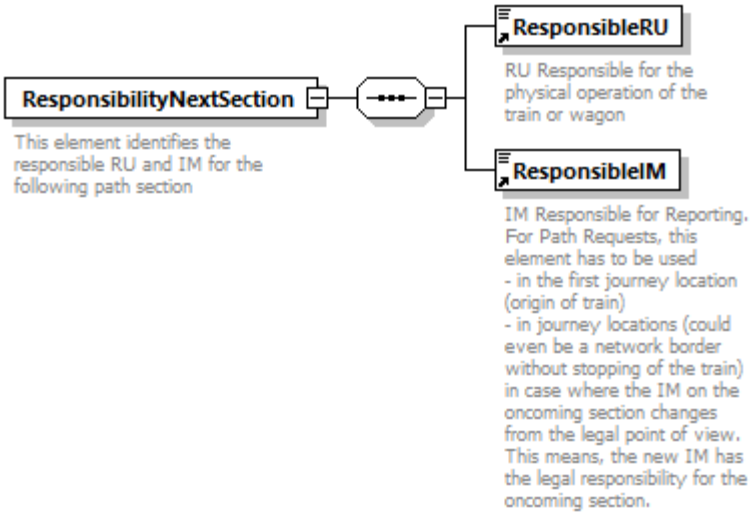
```
<xs:element name="ResponsibilityActualSection">
  <xs:annotation>
    <xs:documentation>This element identifies the responsible RU or IM for the actual
path section</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="ResponsibleRU"/>
      <xs:element ref="ResponsibleIM"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ResponsibilityActualSectionPassenger**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**ResponsibleRU** **ResponsibleIM**
annotation	documentation This element identifies the responsible RU or IM for the actual path section

source	`<xs:element name="ResponsibilityActualSectionPassenger">`
	`  <xs:annotation>`
	`  <xs:documentation>This element identifies the responsible RU or IM for the actual path section</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="ResponsibleRU"/>`
	`  <xs:element ref="ResponsibleIM" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

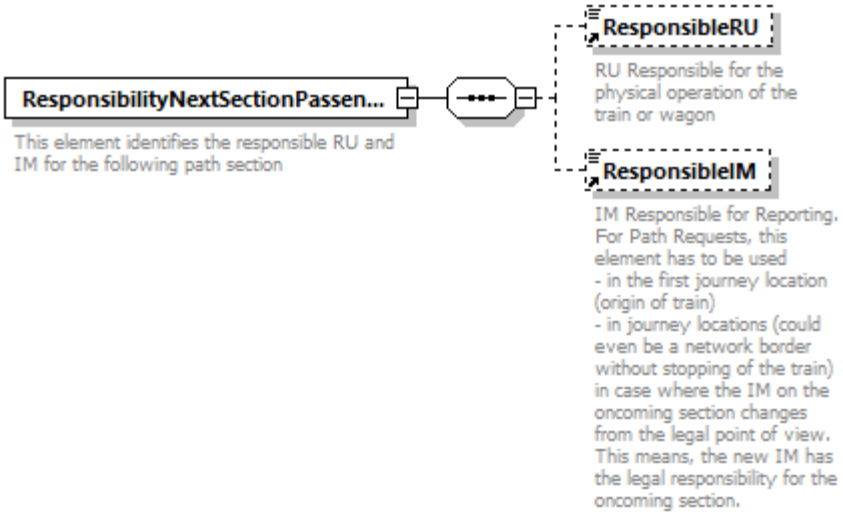
element **ResponsibilityNextSection**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**ResponsibleRU** **ResponsibleIM**
used by	elements **JourneySection** **PassengerJourneySection**
annotation	documentation This element identifies the responsible RU and IM for the following path section

source

```
<xs:element name="ResponsibilityNextSection">
  <xs:annotation>
    <xs:documentation>This element identifies the responsible RU and IM for the
following path section</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="ResponsibleRU"/>
      <xs:element ref="ResponsibleIM"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ResponsibilityNextSectionPassenger**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**ResponsibleRU** **ResponsibleIM**
annotation	documentation This element identifies the responsible RU and IM for the following path section

source	`<xs:element name="ResponsibilityNextSectionPassenger">`
	`  <xs:annotation>`
	`  <xs:documentation>This element identifies the responsible RU and IM for the following path section</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="ResponsibleRU" minOccurs="0"/>`
	`  <xs:element ref="ResponsibleIM" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

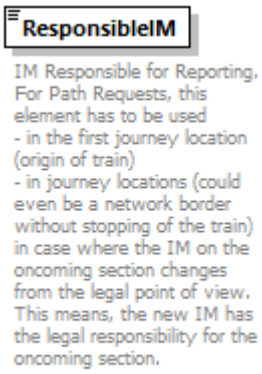
element **ResponsibleApplicant**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **CompanyCode**
properties	content simple
used by	element **PlannedJourneyLocation**

	complexType **PlannedLocationInfoType**
facets	Kind / Value / Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation This element has to be used for the whle journey where the applicant has made the request

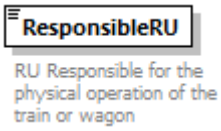
source	`<xs:element name="ResponsibleApplicant">`
	`  <xs:annotation>`
	`  <xs:documentation>This element has to be used for the whle journey where the applicant has made the request</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="CompanyCode"/>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ResponsibleIM**

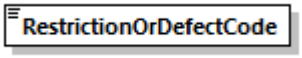
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
used by	elements **LocationPrimaryInformation** **PlannedJourneyLocation** **ResponsibilityActualSection** **ResponsibilityActualSectionPassenger** **ResponsibilityNextSection** **ResponsibilityNextSectionPassenger**
facets	Kind / Value / Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation IM Responsible for Reporting. For Path Requests, this element has to be used - in the first journey location (origin of train) - in journey locations (could even be a network border without stopping of the train) in case where the IM on the oncoming section changes from the legal point of view. This means, the new IM has the legal responsibility for the oncoming section.

source	<xs:element name="ResponsibleIM" type="CompanyCode"> <xs:annotation> <xs:documentation>IM Responsible for Reporting. For Path Requests, this element has to be used - in the first journey location (origin of train) - in journey locations (could even be a network border without stopping of the train) in case where the IM on the oncoming section changes from the legal point of view. This means, the new IM has the legal responsibility for the oncoming section. </xs:documentation> </xs:annotation> </xs:element>

element **ResponsibleRU**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
used by	elements **ExceptionPoint** **PlannedJourneyLocation** **ResponsibilityActualSection** **ResponsibilityActualSectionPassenger** **ResponsibilityNextSection** **ResponsibilityNextSectionPassenger** **RunningStatusReportMessage** **TrainDelayCauseMessage** **TrainForecastedDelayCauseMessage** **TrainReadyMessage** **TrainRunningForecastMessage** **TrainRunningInformationMessage** **TrainRunningInterruptionMessage**
facets	Kind / Value / Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation RU Responsible for the physical operation of the train or wagon
source	<xs:element name="ResponsibleRU" type="CompanyCode"> <xs:annotation> <xs:documentation>RU Responsible for the physical operation of the train or wagon</xs:documentation> </xs:annotation> </xs:element>

element **RestrictionOrDefectCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
used by	element **OtherPassengerRestrictionOrDefect**
source	<xs:element name="RestrictionOrDefectCode"/>

element **RestrictionOrDefectValue**

diagram	RestrictionOrDefectValue
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:string**
properties	content simple
used by	element **OtherPassengerRestrictionOrDefect**
source	`<xs:element name="RestrictionOrDefectValue" type="xs:string"/>`

element **RestrictionOrProhibition**

diagram	RestrictionOrProhibition
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **TrainOrCoachGroupComposition/Unit/Restrictions**
facets	Kind / Value / Annotation enumeration 0 enumeration 1 enumeration 2 enumeration 3 enumeration 4

source

```
<xs:element name="RestrictionOrProhibition">
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="0"/>
      <xs:enumeration value="1"/>
      <xs:enumeration value="2"/>
      <xs:enumeration value="3"/>
      <xs:enumeration value="4"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **RestrictionsDueToLoadOrDamage**

diagram	**RestrictionsDueToLoadOrDamage** These are possible restrictions applicable in the originating country to shunting operations in stations and to main-line movements on account of the nature of the load. Coding in Restriction Codes (according to UIC Leaflet 920-13)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**RestrictionCodes**
properties	content simple
used by	elements **TrainOrCoachGroupComposition/Unit/Restrictions** **WagonOperationalData**

facets

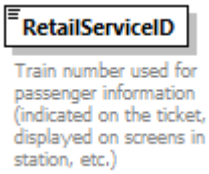
Kind	Value	Annotation
enumeration	07	documentation F - Shunt only when hand brake operable with ground staff
enumeration	08	documentation F - Tank wagon loaded with liquid
enumeration	09	documentation F - Wagon loaded with people
enumeration	11	documentation F - Wagon other than bogie wagon with wheelbase of more than 9 metres
enumeration	12	documentation F - Bogie wagon with distance between wheels of more than 14 metres and up to and including a distance of 17,50 metres
enumeration	13	documentation F - Bogie wagon with distance between wheels of more than 17,50 metres
enumeration	15	documentation F - Wagon not allowed over the hump
enumeration	16	documentation F - Do not fly shunt or gravity shunt (3 red triangles)
enumeration	18	documentation F - Must not use active braking equipment
enumeration	25	documentation F - Gas carrying tank wagon with orange side stripe
enumeration	30	documentation P (+F) - CCS fault (see CCS coding list)
enumeration	31	documentation P (+F) - Braking system fault
enumeration	32	documentation P (+F) - Wheelset, bogie fault
enumeration	33	documentation P (+F) - Headlighting or back lighting fault
enumeration	34	documentation P (+F) - Front glass broken
enumeration	35	documentation P (+F) - Horn fault
enumeration	36	documentation P (+F) - Radio fault
enumeration	37	documentation P (+F) - Energy supply fault
enumeration	38	documentation P (+F) - Traction or motor fault
enumeration	39	documentation P - Access door fault
enumeration	41	documentation

			F - Place this wagon at the front of the train
	enumeration	42	documentation F - Place this wagon at the rear of the train
	enumeration	50	documentation P (+F) - Speed restriction
	enumeration	52	documentation P (+F) - Diesel locomotive instead of electric locomotive
	enumeration	61	documentation F - Wagon forming part of a consignment of several wagons
	enumeration	62	documentation F - Wagon forming part of a group of wagons from which it must not be separated
	enumeration	63	documentation F (+P) - Special consignment or (for Passengers trains) loading/cinematic gauge larger than the planned one
	enumeration	68	documentation F - First or last wagon of a wagon group from which it must not be separated
	enumeration	70	documentation F - Shunt with care (1 red triangle)
	enumeration	71	documentation F - Shunt with special care (2 red triangle)
	enumeration	90	documentation P - Train planned with passengers operated without passengers
	enumeration	91	documentation P - Train planned without passengers operated with passengers
	enumeration	92	documentation P - Train planned with hauled rolling stock and operated without any coaches (light engine)
	enumeration	94	documentation F - Gas carrying wagon without orange side stripe
	enumeration	99	documentation P - Other
annotation	documentation These are possible restrictions applicable in the originating country to shunting operations in stations and to main-line movements on account of the nature of the load. Coding in Restriction Codes (according to UIC Leaflet 920-13)		

source

```
<xs:element name="RestrictionsDueToLoadOrDamage" type="RestrictionCodes">
  <xs:annotation>
    <xs:documentation>These are possible restrictions applicable in the originating
country to shunting operations in stations and to main-line movements on account of
the nature of the load. Coding in Restriction Codes (according to UIC Leaflet 920-13)
        </xs:documentation>
  </xs:annotation>
</xs:element>
```

element **RetailServiceID**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:string**
properties	content simple

used by	elements **Association** **UnitCommercialData**
annotation	documentation Train number used for passenger information (indicated on the ticket, displayed on screens in station, etc.)

source	`<xs:element name="RetailServiceID" type="xs:string">`
	`  <xs:annotation>`
	`  <xs:documentation>Train number used for passenger information (indicated on the ticket, displayed on screens in station, etc.)</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RevisedRequest**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
used by	elements **PathCoordinationMessage** **PathDetailsRefusedMessage**
annotation	documentation Indication for the IM whether wait because the RU will send a revised request soon or to make an alternative offer.

source	`<xs:element name="RevisedRequest" type="xs:boolean">`
	`  <xs:annotation>`
	`  <xs:documentation>Indication for the IM whether wait because the RU will send a revised request soon or to make an alternative offer.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

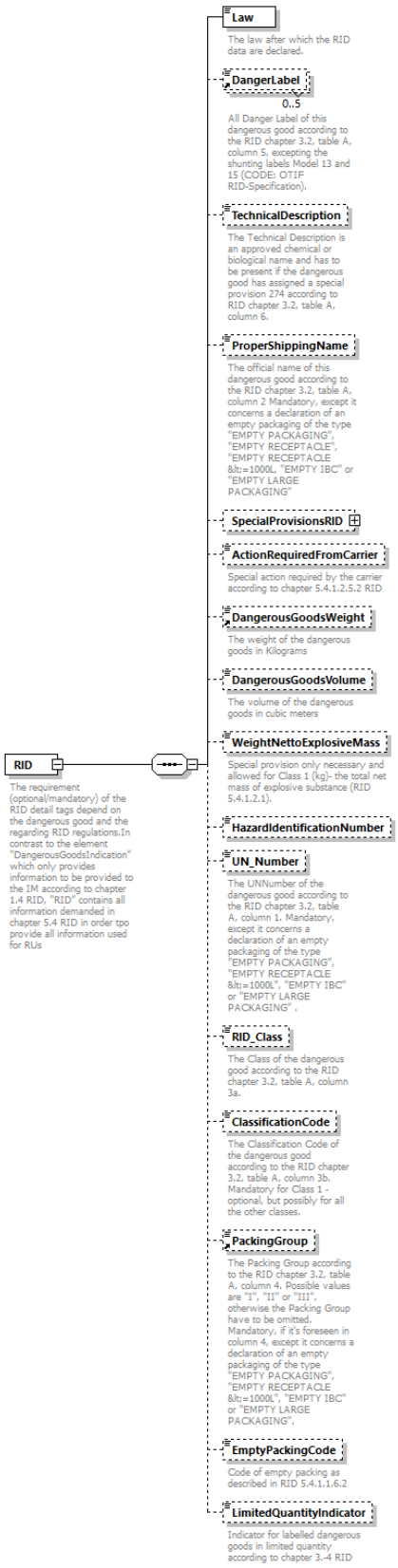
element **RFCPaP**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	element **PlannedJourneyLocation**
facets	Kind Value Annotation minLength 1 maxLength 20

annotation	documentation ID specific to all locations belonging to a given Pre-Arranged Path published by a Rail Freight Corridor
source	<xs:element name="RFCPaP"> <xs:annotation> <xs:documentation>ID specific to all locations belonging to a given Pre-Arranged Path published by a Rail Freight Corridor</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="20"/> </xs:restriction> </xs:simpleType> </xs:element>

element **RID**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Law** **DangerLabel** **TechnicalDescription** **ProperShippingName** **SpecialProvisionsRID** **ActionRequiredFromCarrier** **DangerousGoodsWeight** **DangerousGoodsVolume** **WeightNettoExplosiveMass** **HazardIdentificationNumber** **UN_Number** **RID_Class** **ClassificationCode** **PackingGroup** **EmptyPackingCode** **LimitedQuantityIndicator**
used by	elements **Goods** **Wagons/GoodsInWagon**
annotation	documentation The requirement (optional/mandatory) of the RID detail tags depend on the dangerous good and the regarding RID regulations.In contrast to the element "DangerousGoodsIndication" which only provides information to be provided to the IM according to chapter 1.4 RID, "RID" contains all information demanded in chapter 5.4 RID in order tpo provide all information used for RUs

source

```
<xs:element name="RID">
  <xs:annotation>
    <xs:documentation>The requirement (optional/mandatory) of the RID detail tags
depend on the dangerous good and the regarding RID regulations.In contrast to the
element "DangerousGoodsIndication" which only provides information to be provided
to the IM according to chapter 1.4 RID, "RID" contains all information demanded in
chapter 5.4 RID in order tpo provide all information used for RUs</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Law">
        <xs:annotation>
          <xs:documentation>The law after which the RID data are
declared.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:int">
            <xs:enumeration value="2013"/>
            <xs:enumeration value="2015"/>
            <xs:enumeration value="2017"/>
            <xs:enumeration value="2019"/>
            <xs:enumeration value="2021"/>
            <xs:enumeration value="2023"/>
            <xs:enumeration value="2025"/>
            <xs:enumeration value="2027"/>
            <xs:enumeration value="2029"/>
            <xs:enumeration value="2031"/>
            <xs:enumeration value="2033"/>
            <xs:enumeration value="2035"/>
            <xs:enumeration value="2037"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="DangerLabel" minOccurs="0" maxOccurs="5"/>
      <xs:element name="TechnicalDescription" minOccurs="0">
        <xs:annotation>
          <xs:documentation>The Technical Description is an approved chemical or
biological name and has to be present if the dangerous good has assigned a special
provision 274 according to RID chapter 3.2, table A, column 6.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
```

```
            <xs:minLength value="1"/>
            <xs:maxLength value="350"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ProperShippingName" minOccurs="0">
        <xs:annotation>
          <xs:documentation>The official name of this dangerous good according to
the RID chapter 3.2, table A, column 2 Mandatory, except it concerns a declaration
of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE", "EMPTY
RECEPTACLE &lt;=1000L, "EMPTY IBC" or "EMPTY LARGE PACKAGING"</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="350"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="SpecialProvisionsRID" minOccurs="0">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="SpecialProvisionsRID3.3" minOccurs="0"
maxOccurs="25">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:minLength value="1"/>
                  <xs:maxLength value="5"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="SpecialProvisionRID5.4" minOccurs="0"
maxOccurs="25">
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:minLength value="1"/>
                  <xs:maxLength value="350"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="Waste" type="xs:boolean" minOccurs="0"/>
            <xs:element name="SpecialProvisionsEnvironment" minOccurs="0">
              <xs:complexType>
                <xs:choice>
                  <xs:element name="EnvironmentalHazardous" type="xs:boolean"/>
                  <xs:element name="MarinePollutant" type="xs:boolean"/>
                </xs:choice>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="ActionRequiredFromCarrier" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Special action required by the carrier according to
```

```
chapter 5.4.1.2.5.2 RID</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="350"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="DangerousGoodsWeight" minOccurs="0">
        <xs:annotation>
          <xs:documentation>The weight of the dangerous goods in
Kilograms</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="DangerousGoodsVolume" type="VolumeValue" minOccurs="0">
        <xs:annotation>
          <xs:documentation>The volume of the dangerous goods in cubic
meters</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="WeightNettoExplosiveMass" type="WeightValueKilo"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>Special provision only necessary and allowed for Class
1 (kg)- the total net mass of explosive substance (RID 5.4.1.2.1).</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="HazardIdentificationNumber" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="2"/>
            <xs:maxLength value="4"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="UN_Number" minOccurs="0">
        <xs:annotation>
          <xs:documentation>The UNNumber of the dangerous good according to the RID
chapter 3.2, table A, column 1. Mandatory, except it concerns a declaration of an
empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE &lt;=1000L", "EMPTY
IBC" or "EMPTY LARGE PACKAGING" .</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:length value="4"/>
            <xs:pattern value="\d*[1-9]\d*"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="RID_Class" minOccurs="0">
        <xs:annotation>
          <xs:documentation>The Class of the dangerous good according to the RID
chapter 3.2, table A, column 3a.</xs:documentation>
        </xs:annotation>
```

```
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="4"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ClassificationCode" minOccurs="0">
        <xs:annotation>
          <xs:documentation>The Classification Code of the dangerous good according
to the RID chapter 3.2, table A, column 3b. Mandatory for Class 1 - optional, but
possibly for all the other classes.</xs:documentation>
          <xs:documentation>CODE: OTIF RID-Specification</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="4">
              <xs:annotation>
                <xs:documentation>present only with class 1</xs:documentation>
              </xs:annotation>
            </xs:maxLength>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="PackingGroup" minOccurs="0"/>
      <xs:element name="EmptyPackingCode" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Code of empty packing as described in RID
5.4.1.1.6.2</xs:documentation>
          <xs:documentation>CODE: OTIF RID-Specification, element EMPTY has been
added as 'dummy' until the code list has been finished and approved.
</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:token">
            <xs:enumeration value="01">
              <xs:annotation>
                <xs:documentation>EMPTY PACKAGING</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="02">
              <xs:annotation>
                <xs:documentation>EMPTY CONTAINER</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="03">
              <xs:annotation>
                <xs:documentation>EMPTY IBC</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="04">
              <xs:annotation>
                <xs:documentation>EMPTY LARGE PACKAGING</xs:documentation>
              </xs:annotation>
```

```
            </xs:enumeration>
            <xs:enumeration value="05">
              <xs:annotation>
                <xs:documentation>EMPTY TANK-VEHICLE</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="06">
              <xs:annotation>
                <xs:documentation>EMPTY TANK-WAGON</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="07">
              <xs:annotation>
                <xs:documentation>EMPTY DETACHABLE TANK</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="08">
              <xs:annotation>
                <xs:documentation>EMPTY DEMOUNTABLE TANK</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="09">
              <xs:annotation>
                <xs:documentation>EMPTY TANK-CONTAINER</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="10">
              <xs:annotation>
                <xs:documentation>EMPTY PORTABLE TANK</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="11">
              <xs:annotation>
                <xs:documentation>EMPTY BATTERY-VEHICLE</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="12">
              <xs:annotation>
                <xs:documentation>EMPTY BATTERY-WAGON</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="13">
              <xs:annotation>
                <xs:documentation>EMPTY LARGE CONTAINER WITH MULTIPLE LINKED
ELEMENTS</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="14">
              <xs:annotation>
                <xs:documentation>EMPTY VEHICLE</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="15">
              <xs:annotation>
                <xs:documentation>EMPTY WAGON</xs:documentation>
```

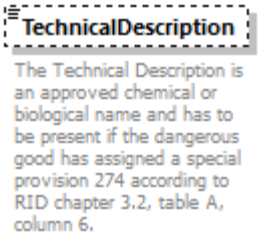
```
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="16">
              <xs:annotation>
                <xs:documentation>EMPTY RECEPTACLE le 1000L</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="17">
              <xs:annotation>
                <xs:documentation>EMPTY RECEPTACLE gt 1000L</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="18">
              <xs:annotation>
                <xs:documentation>EMPTY</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="LimitedQuantityIndicator" type="xs:boolean"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>Indicator for labelled dangerous goods in limited
quantity according to chapter 3.-4 RID</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RID/Law**

diagram	**Law** The law after which the RID data are declared.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	content simple
facets	Kind / Value / Annotation enumeration 2013 enumeration 2015 enumeration 2017 enumeration 2019 enumeration 2021 enumeration 2023 enumeration 2025 enumeration 2027 enumeration 2029

	enumeration 2031 enumeration 2033 enumeration 2035 enumeration 2037
annotation	documentation The law after which the RID data are declared.
source	<xs:element name="Law"> <xs:annotation> <xs:documentation>The law after which the RID data are declared.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"> <xs:enumeration value="2013"/> <xs:enumeration value="2015"/> <xs:enumeration value="2017"/> <xs:enumeration value="2019"/> <xs:enumeration value="2021"/> <xs:enumeration value="2023"/> <xs:enumeration value="2025"/> <xs:enumeration value="2027"/> <xs:enumeration value="2029"/> <xs:enumeration value="2031"/> <xs:enumeration value="2033"/> <xs:enumeration value="2035"/> <xs:enumeration value="2037"/> </xs:restriction> </xs:simpleType> </xs:element>

element **RID/TechnicalDescription**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation The Technical Description is an approved chemical or biological name and has to be present if the dangerous good has assigned a special provision 274 according to RID chapter 3.2, table A, column 6.

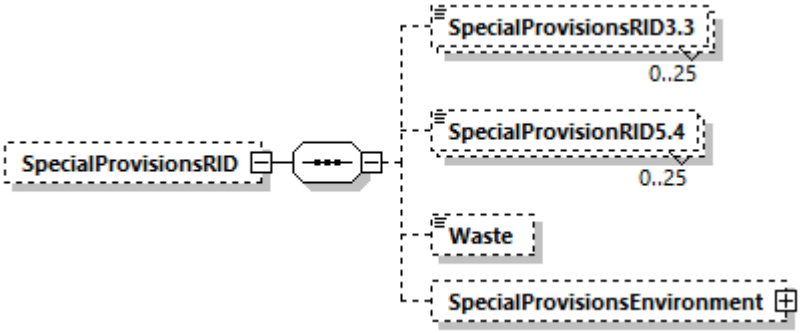
source	<xs:element name="TechnicalDescription" minOccurs="0"> <xs:annotation> <xs:documentation>The Technical Description is an approved chemical or biological name and has to be present if the dangerous good has assigned a special provision 274 according to RID chapter 3.2, table A, column 6.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="350"/> </xs:restriction> </xs:simpleType> </xs:element>

element **RID/ProperShippingName**

diagram	**ProperShippingName** The official name of this dangerous good according to the RID chapter 3.2, table A, column 2 Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE", "EMPTY RECEPTACLE <=1000L, "EMPTY IBC" or "EMPTY LARGE PACKAGING"
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation The official name of this dangerous good according to the RID chapter 3.2, table A, column 2 Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE", "EMPTY RECEPTACLE <=1000L, "EMPTY IBC" or "EMPTY LARGE PACKAGING"
source	<xs:element name="ProperShippingName" minOccurs="0"> <xs:annotation> <xs:documentation>The official name of this dangerous good according to the RID chapter 3.2, table A, column 2 Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE", "EMPTY RECEPTACLE <=1000L, "EMPTY IBC" or "EMPTY LARGE PACKAGING"</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="350"/> </xs:restriction> </xs:simpleType>

	`</xs:element>`

element **RID/SpecialProvisionsRID**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	SpecialProvisionsRID3.3 SpecialProvisionRID5.4 Waste SpecialProvisionsEnvironment

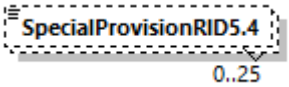
source	`<xs:element name="SpecialProvisionsRID" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="SpecialProvisionsRID3.3" minOccurs="0" maxOccurs="25">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="5"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`  </xs:element>`
	`  <xs:element name="SpecialProvisionRID5.4" minOccurs="0" maxOccurs="25">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="350"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`  </xs:element>`
	`  <xs:element name="Waste" type="xs:boolean" minOccurs="0"/>`
	`  <xs:element name="SpecialProvisionsEnvironment" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:choice>`
	`  <xs:element name="EnvironmentalHazardous" type="xs:boolean"/>`
	`  <xs:element name="MarinePollutant" type="xs:boolean"/>`
	`  </xs:choice>`
	`  </xs:complexType>`
	`  </xs:element>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **RID/SpecialProvisionsRID/SpecialProvisionsRID3.3**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 25 content simple
facets	Kind Value Annotation minLength 1 maxLength 5

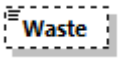
source	`<xs:element name="SpecialProvisionsRID3.3" minOccurs="0" maxOccurs="25">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="5"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **RID/SpecialProvisionsRID/SpecialProvisionRID5.4**

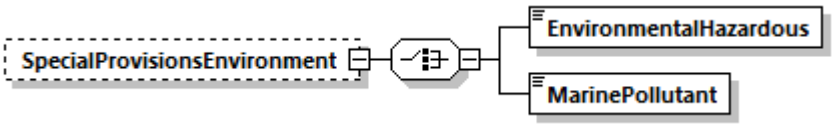
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 25 content simple
facets	Kind Value Annotation minLength 1 maxLength 350

source	`<xs:element name="SpecialProvisionRID5.4" minOccurs="0" maxOccurs="25">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="350"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **RID/SpecialProvisionsRID/Waste**

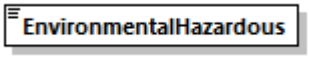
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="Waste" type="xs:boolean" minOccurs="0"/>`

element **RID/SpecialProvisionsRID/SpecialProvisionsEnvironment**

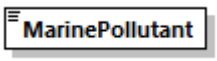
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**EnvironmentalHazardous** **MarinePollutant**

source	`<xs:element name="SpecialProvisionsEnvironment" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:choice>`
	`  <xs:element name="EnvironmentalHazardous" type="xs:boolean"/>`
	`  <xs:element name="MarinePollutant" type="xs:boolean"/>`
	`  </xs:choice>`
	`  </xs:complexType>`
	`</xs:element>`

element **RID/SpecialProvisionsRID/SpecialProvisionsEnvironment/EnvironmentalHazardous**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
source	`<xs:element name="EnvironmentalHazardous" type="xs:boolean"/>`

element **RID/SpecialProvisionsRID/SpecialProvisionsEnvironment/MarinePollutant**

diagram	

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
source	`<xs:element name="MarinePollutant" type="xs:boolean"/>`

element **RID/ActionRequiredFromCarrier**

diagram	**ActionRequiredFromCarrier** Special action required by the carrier according to chapter 5.4.1.2.5.2 RID
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation Special action required by the carrier according to chapter 5.4.1.2.5.2 RID

source	`<xs:element name="ActionRequiredFromCarrier" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Special action required by the carrier according to chapter 5.4.1.2.5.2 RID</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="350"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **RID/DangerousGoodsVolume**

diagram	**DangerousGoodsVolume** The volume of the dangerous goods in cubic meters
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**VolumeValue**
properties	minOcc 0 maxOcc 1 content simple
used by	element **SummaryOFGoodsWithSameRID**

annotation	documentation The volume of the dangerous goods in cubic meters

source	`<xs:element name="DangerousGoodsVolume" type="VolumeValue" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>The volume of the dangerous goods in cubic meters</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RID/WeightNettoExplosiveMass**

diagram	**WeightNettoExplosiveMass** Special provision only necessary and allowed for Class 1 (kg)- the total net mass of explosive substance (RID 5.4.1.2.1).
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**WeightValueKilo**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse
annotation	documentation Special provision only necessary and allowed for Class 1 (kg)- the total net mass of explosive substance (RID 5.4.1.2.1).

source	`<xs:element name="WeightNettoExplosiveMass" type="WeightValueKilo" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Special provision only necessary and allowed for Class 1 (kg)- the total net mass of explosive substance (RID 5.4.1.2.1).</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RID/HazardIdentificationNumber**

diagram	**HazardIdentificationNumber**
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation minLength 2 maxLength 4
source	`<xs:element name="HazardIdentificationNumber" minOccurs="0">` `  <xs:simpleType>`

```
    <xs:restriction base="xs:string">
      <xs:minLength value="2"/>
      <xs:maxLength value="4"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **RID/UN_Number**

diagram	**UN_Number** The UNNumber of the dangerous good according to the RID chapter 3.2, table A, column 1. Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE <=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING" .
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
used by	element **SummaryOFGoodsWithSameRID**
facets	Kind Value Annotation length 4 pattern \d*[1-9]\d*
annotation	documentation The UNNumber of the dangerous good according to the RID chapter 3.2, table A, column 1. Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE <=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING" .

source

```
<xs:element name="UN_Number" minOccurs="0">
  <xs:annotation>
    <xs:documentation>The UNNumber of the dangerous good according to the RID chapter
3.2, table A, column 1. Mandatory, except it concerns a declaration of an empty
packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE &lt;=1000L", "EMPTY IBC"
or "EMPTY LARGE PACKAGING" .</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:length value="4"/>
      <xs:pattern value="\d*[1-9]\d*"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **RID/RID_Class**

diagram	RID_Class The Class of the dangerous good according to the RID chapter 3.2, table A, column 3a.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 4
annotation	documentation The Class of the dangerous good according to the RID chapter 3.2, table A, column 3a.

source	`<xs:element name="RID_Class" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>The Class of the dangerous good according to the RID chapter 3.2, table A, column 3a.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="4"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **RID/ClassificationCode**

diagram	ClassificationCode The Classification Code of the dangerous good according to the RID chapter 3.2, table A, column 3b. Mandatory for Class 1 - optional, but possibly for all the other classes.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 4 documentation present only with class 1
annotation	documentation The Classification Code of the dangerous good according to the RID chapter 3.2, table A, column 3b. Mandatory for Class 1 - optional, but possibly for all the other classes.

	documentation CODE: OTIF RID-Specification
source	<xs:element name="ClassificationCode" minOccurs="0"> <xs:annotation> <xs:documentation>The Classification Code of the dangerous good according to the RID chapter 3.2, table A, column 3b. Mandatory for Class 1 - optional, but possibly for all the other classes.</xs:documentation> <xs:documentation>CODE: OTIF RID-Specification</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="4"> <xs:annotation> <xs:documentation>present only with class 1</xs:documentation> </xs:annotation> </xs:maxLength> </xs:restriction> </xs:simpleType> </xs:element>

element **RID/EmptyPackingCode**

diagram	EmptyPackingCode Code of empty packing as described in RID 5.4.1.1.6.2
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation enumeration 01 documentation EMPTY PACKAGING enumeration 02 documentation EMPTY CONTAINER enumeration 03 documentation EMPTY IBC enumeration 04 documentation EMPTY LARGE PACKAGING enumeration 05 documentation EMPTY TANK-VEHICLE enumeration 06 documentation EMPTY TANK-WAGON enumeration 07 documentation EMPTY DETACHABLE TANK enumeration 08 documentation EMPTY DEMOUNTABLE TANK enumeration 09 documentation EMPTY TANK-CONTAINER enumeration 10 documentation EMPTY PORTABLE TANK enumeration 11 documentation

			EMPTY BATTERY-VEHICLE
	enumeration	12	documentation EMPTY BATTERY-WAGON
	enumeration	13	documentation EMPTY LARGE CONTAINER WITH MULTIPLE LINKED ELEMENTS
	enumeration	14	documentation EMPTY VEHICLE
	enumeration	15	documentation EMPTY WAGON
	enumeration	16	documentation EMPTY RECEPTACLE le 1000L
	enumeration	17	documentation EMPTY RECEPTACLE gt 1000L
	enumeration	18	documentation EMPTY
annotation	documentation Code of empty packing as described in RID 5.4.1.1.6.2 documentation CODE: OTIF RID-Specification, element EMPTY has been added as 'dummy' until the code list has been finished and approved.		

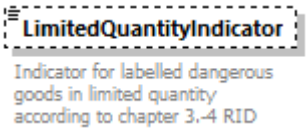
source

```
<xs:element name="EmptyPackingCode" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Code of empty packing as described in RID
5.4.1.1.6.2</xs:documentation>
    <xs:documentation>CODE: OTIF RID-Specification, element EMPTY has been added as
'dummy' until the code list has been finished and approved. </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="01">
        <xs:annotation>
          <xs:documentation>EMPTY PACKAGING</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="02">
        <xs:annotation>
          <xs:documentation>EMPTY CONTAINER</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="03">
        <xs:annotation>
          <xs:documentation>EMPTY IBC</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="04">
        <xs:annotation>
          <xs:documentation>EMPTY LARGE PACKAGING</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="05">
        <xs:annotation>
          <xs:documentation>EMPTY TANK-VEHICLE</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="06">
        <xs:annotation>
```

```
            <xs:documentation>EMPTY TANK-WAGON</xs:documentation>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="07">
          <xs:annotation>
            <xs:documentation>EMPTY DETACHABLE TANK</xs:documentation>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="08">
          <xs:annotation>
            <xs:documentation>EMPTY DEMOUNTABLE TANK</xs:documentation>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="09">
          <xs:annotation>
            <xs:documentation>EMPTY TANK-CONTAINER</xs:documentation>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="10">
          <xs:annotation>
            <xs:documentation>EMPTY PORTABLE TANK</xs:documentation>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="11">
          <xs:annotation>
            <xs:documentation>EMPTY BATTERY-VEHICLE</xs:documentation>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="12">
          <xs:annotation>
            <xs:documentation>EMPTY BATTERY-WAGON</xs:documentation>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="13">
          <xs:annotation>
            <xs:documentation>EMPTY LARGE CONTAINER WITH MULTIPLE LINKED
ELEMENTS</xs:documentation>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="14">
          <xs:annotation>
            <xs:documentation>EMPTY VEHICLE</xs:documentation>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="15">
          <xs:annotation>
            <xs:documentation>EMPTY WAGON</xs:documentation>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="16">
          <xs:annotation>
            <xs:documentation>EMPTY RECEPTACLE le 1000L</xs:documentation>
          </xs:annotation>
        </xs:enumeration>
        <xs:enumeration value="17">
```

```
        <xs:annotation>
          <xs:documentation>EMPTY RECEPTACLE gt 1000L</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="18">
        <xs:annotation>
          <xs:documentation>EMPTY</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

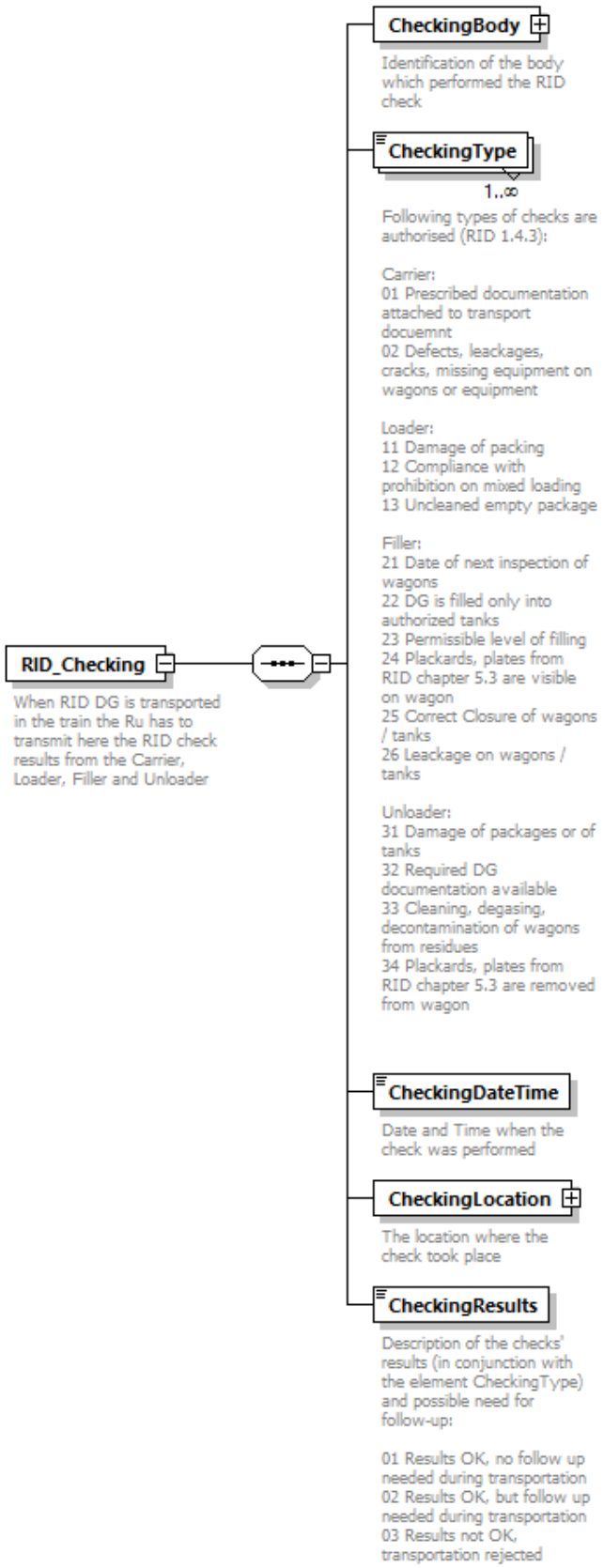
element **RID/LimitedQuantityIndicator**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Indicator for labelled dangerous goods in limited quantity according to chapter 3.-4 RID

source	`<xs:element name="LimitedQuantityIndicator" type="xs:boolean" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Indicator for labelled dangerous goods in limited quantity according to chapter 3.-4 RID</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RID_Checking**

diagram


RID_Checking
When RID DG is transported in the train the Ru has to transmit here the RID check results from the Carrier, Loader, Filler and Unloader
CheckingBody
Identification of the body which performed the RID check
CheckingType
1..∞
Following types of checks are authorised (RID 1.4.3):
Carrier:
01 Prescribed documentation attached to transport docuemnt
02 Defects, leackages, cracks, missing equipment on wagons or equipment
Loader:
11 Damage of packing
12 Compliance with prohibition on mixed loading
13 Uncleaned empty package
Filler:
21 Date of next inspection of wagons
22 DG is filled only into authorized tanks
23 Permissible level of filling
24 Plackards, plates from RID chapter 5.3 are visible on wagon
25 Correct Closure of wagons / tanks
26 Leackage on wagons / tanks
Unloader:
31 Damage of packages or of tanks
32 Required DG documentation available
33 Cleaning, degasing, decontamination of wagons from residues
34 Plackards, plates from RID chapter 5.3 are removed from wagon
CheckingDateTime
Date and Time when the check was performed
CheckingLocation
The location where the check took place
CheckingResults
Description of the checks' results (in conjunction with the element CheckingType) and possible need for follow-up:
01 Results OK, no follow up needed during transportation
02 Results OK, but follow up needed during transportation
03 Results not OK, transportation rejected

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**CheckingBody** **CheckingType** **CheckingDateTime** **CheckingLocation** **CheckingResults**
used by	element **Goods**
annotation	documentation When RID DG is transported in the train the Ru has to transmit here the RID check results from the Carrier, Loader, Filler and Unloader

source

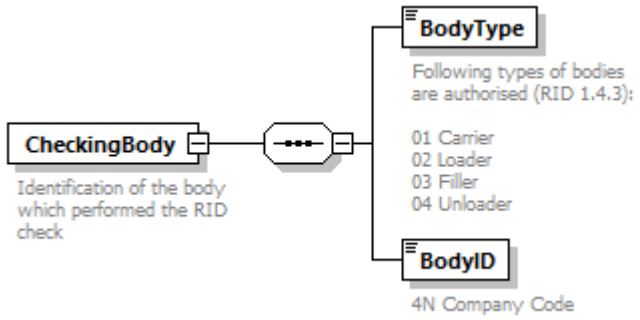
```
<xs:element name="RID_Checking">
  <xs:annotation>
    <xs:documentation>When RID DG is transported in the train the Ru has to transmit
here the RID check results from the Carrier, Loader, Filler and Unloader
</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="CheckingBody">
        <xs:annotation>
          <xs:documentation>Identification of the body which performed the RID
check</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="BodyType">
              <xs:annotation>
                <xs:documentation>Following types of bodies are authorised (RID
1.4.3):

01 Carrier
02 Loader
03 Filler
04 Unloader</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:enumeration value="01"/>
                  <xs:enumeration value="02"/>
                  <xs:enumeration value="03"/>
                  <xs:enumeration value="04"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="BodyID" type="CompanyCode">
              <xs:annotation>
                <xs:documentation>4N Company Code</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="CheckingType" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>Following types of checks are authorised (RID 1.4.3):
```

```
Carrier:
01 Prescribed documentation attached to transport docuemnt
02 Defects, leackages, cracks, missing equipment on wagons or equipment

Loader:
11 Damage of packing
12 Compliance with prohibition on mixed loading
13 Uncleaned empty package

Filler:
21 Date of next inspection of wagons
22 DG is filled only into authorized tanks
23 Permissible level of filling
24 Plackards, plates from RID chapter 5.3 are visible on wagon
25 Correct Closure of wagons / tanks
26 Leackage on wagons / tanks

Unloader:
31 Damage of packages or of tanks
32 Required DG documentation available
33 Cleaning, degasing, decontamination of wagons from residues
34 Plackards, plates from RID chapter 5.3 are removed from wagon
</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:enumeration value="01"/>
            <xs:enumeration value="02"/>
            <xs:enumeration value="11"/>
            <xs:enumeration value="12"/>
            <xs:enumeration value="13"/>
            <xs:enumeration value="21"/>
            <xs:enumeration value="22"/>
            <xs:enumeration value="23"/>
            <xs:enumeration value="24"/>
            <xs:enumeration value="25"/>
            <xs:enumeration value="26"/>
            <xs:enumeration value="31"/>
            <xs:enumeration value="32"/>
            <xs:enumeration value="33"/>
            <xs:enumeration value="34"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="CheckingDateTime" type="xs:dateTime">
        <xs:annotation>
          <xs:documentation>Date and Time when the check was
performed</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="CheckingLocation" type="LocationIdent">
        <xs:annotation>
          <xs:documentation>The location where the check took
place</xs:documentation>
```

```
        </xs:annotation>
      </xs:element>
      <xs:element name="CheckingResults">
        <xs:annotation>
          <xs:documentation>Description of the checks' results (in conjunction with
the element CheckingType) and possible need for follow-up:

01 Results OK, no follow up needed during transportation
02 Results OK, but follow up needed during transportation
03 Results not OK, transportation rejected</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:pattern value="01"/>
            <xs:pattern value="02"/>
            <xs:pattern value="03"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RID_Checking/CheckingBody**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**BodyType** **BodyID**
annotation	documentation Identification of the body which performed the RID check

source

```
<xs:element name="CheckingBody">
  <xs:annotation>
    <xs:documentation>Identification of the body which performed the RID
check</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="BodyType">
        <xs:annotation>
          <xs:documentation>Following types of bodies are authorised (RID 1.4.3):
```

```
01 Carrier
02 Loader
03 Filler
04 Unloader</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:enumeration value="01"/>
            <xs:enumeration value="02"/>
            <xs:enumeration value="03"/>
            <xs:enumeration value="04"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="BodyID" type="CompanyCode">
        <xs:annotation>
          <xs:documentation>4N Company Code</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RID_Checking/CheckingBody/BodyType**

diagram	**BodyType** Following types of bodies are authorised (RID 1.4.3): 01 Carrier 02 Loader 03 Filler 04 Unloader
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind / Value / Annotation enumeration 01 enumeration 02 enumeration 03 enumeration 04
annotation	documentation Following types of bodies are authorised (RID 1.4.3): 01 Carrier 02 Loader 03 Filler 04 Unloader

source	`<xs:element name="BodyType">`
	`  <xs:annotation>`
	`  <xs:documentation>Following types of bodies are authorised (RID 1.4.3):`

```
01 Carrier
02 Loader
03 Filler
04 Unloader</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="01"/>
      <xs:enumeration value="02"/>
      <xs:enumeration value="03"/>
      <xs:enumeration value="04"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

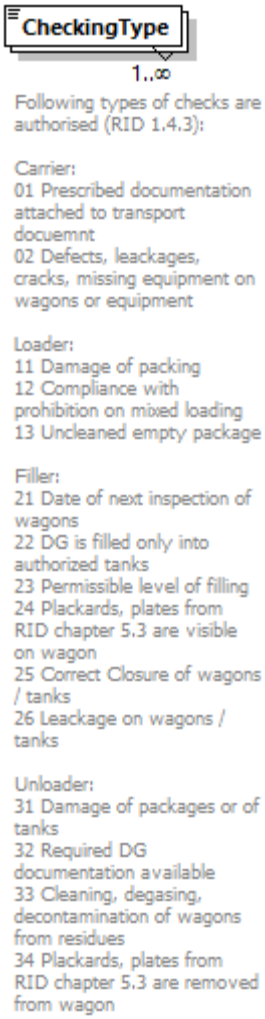
element **RID_Checking/CheckingBody/BodyID**

diagram	BodyID 4N Company Code
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
facets	Kind / Value / Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation 4N Company Code

source

```
<xs:element name="BodyID" type="CompanyCode">
  <xs:annotation>
    <xs:documentation>4N Company Code</xs:documentation>
  </xs:annotation>
</xs:element>
```

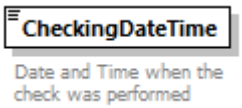
element **RID_Checking/CheckingType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 1 maxOcc unbounded content simple
facets	Kind Value Annotation enumeration 01 enumeration 02 enumeration 11 enumeration 12 enumeration 13 enumeration 21 enumeration 22 enumeration 23 enumeration 24 enumeration 25

	enumeration 26 enumeration 31 enumeration 32 enumeration 33 enumeration 34
annotation	documentation Following types of checks are authorised (RID 1.4.3): Carrier: 01 Prescribed documentation attached to transport docuemnt 02 Defects, leackages, cracks, missing equipment on wagons or equipment Loader: 11 Damage of packing 12 Compliance with prohibition on mixed loading 13 Uncleaned empty package Filler: 21 Date of next inspection of wagons 22 DG is filled only into authorized tanks 23 Permissible level of filling 24 Plackards, plates from RID chapter 5.3 are visible on wagon 25 Correct Closure of wagons / tanks 26 Leackage on wagons / tanks Unloader: 31 Damage of packages or of tanks 32 Required DG documentation available 33 Cleaning, degasing, decontamination of wagons from residues 34 Plackards, plates from RID chapter 5.3 are removed from wagon
source	<xs:element name="CheckingType" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Following types of checks are authorised (RID 1.4.3): Carrier: 01 Prescribed documentation attached to transport docuemnt 02 Defects, leackages, cracks, missing equipment on wagons or equipment Loader: 11 Damage of packing 12 Compliance with prohibition on mixed loading 13 Uncleaned empty package Filler: 21 Date of next inspection of wagons 22 DG is filled only into authorized tanks 23 Permissible level of filling 24 Plackards, plates from RID chapter 5.3 are visible on wagon 25 Correct Closure of wagons / tanks 26 Leackage on wagons / tanks Unloader: 31 Damage of packages or of tanks 32 Required DG documentation available

```
33 Cleaning, degasing, decontamination of wagons from residues
34 Plackards, plates from RID chapter 5.3 are removed from wagon
</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="01"/>
      <xs:enumeration value="02"/>
      <xs:enumeration value="11"/>
      <xs:enumeration value="12"/>
      <xs:enumeration value="13"/>
      <xs:enumeration value="21"/>
      <xs:enumeration value="22"/>
      <xs:enumeration value="23"/>
      <xs:enumeration value="24"/>
      <xs:enumeration value="25"/>
      <xs:enumeration value="26"/>
      <xs:enumeration value="31"/>
      <xs:enumeration value="32"/>
      <xs:enumeration value="33"/>
      <xs:enumeration value="34"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

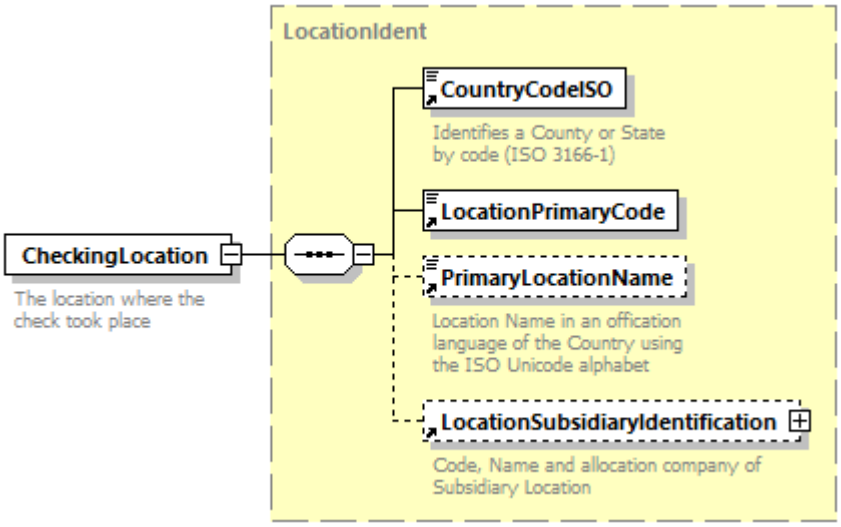
element **RID_Checking/CheckingDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
annotation	documentation Date and Time when the check was performed

source

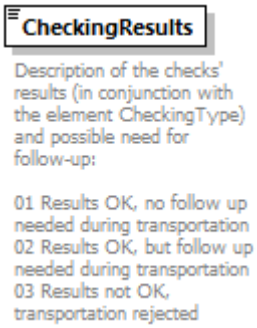
```
<xs:element name="CheckingDateTime" type="xs:dateTime">
  <xs:annotation>
    <xs:documentation>Date and Time when the check was performed</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **RID_Checking/CheckingLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation The location where the check took place

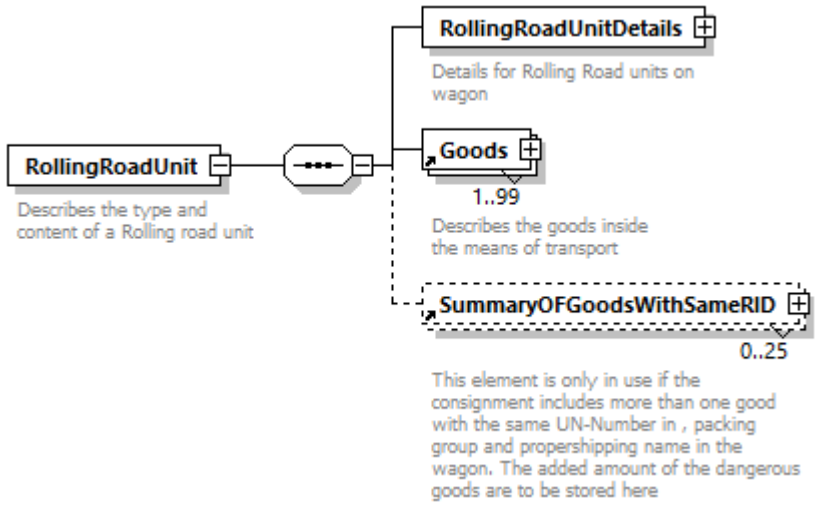
source	`<xs:element name="CheckingLocation" type="LocationIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>The location where the check took place</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RID_Checking/CheckingResults**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation pattern 01

	pattern 02 pattern 03
annotation	documentation Description of the checks' results (in conjunction with the element CheckingType) and possible need for follow-up: 01 Results OK, no follow up needed during transportation 02 Results OK, but follow up needed during transportation 03 Results not OK, transportation rejected
source	<xs:element name="CheckingResults"> <xs:annotation> <xs:documentation>Description of the checks' results (in conjunction with the element CheckingType) and possible need for follow-up: 01 Results OK, no follow up needed during transportation 02 Results OK, but follow up needed during transportation 03 Results not OK, transportation rejected</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:pattern value="01"/> <xs:pattern value="02"/> <xs:pattern value="03"/> </xs:restriction> </xs:simpleType> </xs:element>

element **RollingRoadUnit**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**RollingRoadUnitDetails** **Goods** **SummaryOFGoodsWithSameRID**
used by	element **Wagons/GoodsInWagon**
annotation	documentation Describes the type and content of a Rolling road unit

source

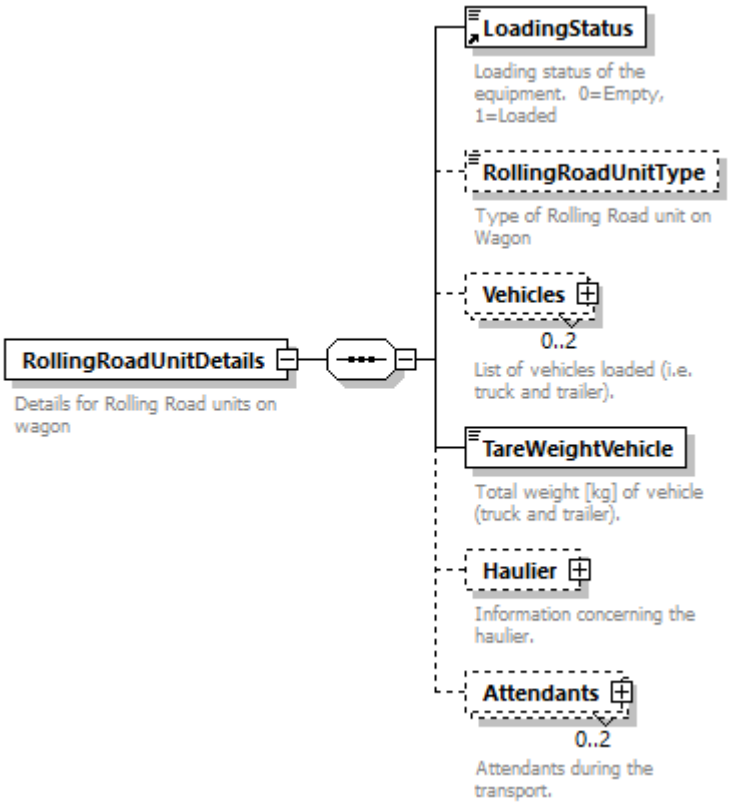
```
<xs:element name="RollingRoadUnit">
  <xs:annotation>
    <xs:documentation>Describes the type and content of a Rolling road
unit</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="RollingRoadUnitDetails">
        <xs:annotation>
          <xs:documentation>Details for Rolling Road units on
wagon</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="LoadingStatus"/>
            <xs:element name="RollingRoadUnitType" default="HGZ" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Type of Rolling Road unit on
Wagon</xs:documentation>
                <xs:documentation>CODE:</xs:documentation>
                <xs:documentation>READ: <br/> - Consignee</xs:documentation>
                <xs:documentation>WRITE: <br/> - Consignor</xs:documentation>
                <xs:documentation>AMEND: <br/> - Contractual carrier <br/> -
Successive carrier<br/> (With the agreement of the consignor)</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:minLength value="1"/>
                  <xs:maxLength value="3"/>
                  <xs:enumeration value="HGZ">
                    <xs:annotation>
                      <xs:documentation>articulated lorry</xs:documentation>
                    </xs:annotation>
                  </xs:enumeration>
                  <xs:enumeration value="SAL">
                    <xs:annotation>
                      <xs:documentation>semi-trailer</xs:documentation>
                    </xs:annotation>
                  </xs:enumeration>
                  <xs:enumeration value="MW">
                    <xs:annotation>
                      <xs:documentation>motor vehicle</xs:documentation>
                    </xs:annotation>
                  </xs:enumeration>
                  <xs:enumeration value="ANH">
                    <xs:annotation>
                      <xs:documentation>trailer</xs:documentation>
                    </xs:annotation>
                  </xs:enumeration>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="Vehicles" minOccurs="0" maxOccurs="2">
              <xs:annotation>
```

```
                <xs:documentation>List of vehicles loaded (i.e. truck and
trailer).</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="NumberPlate">
                    <xs:annotation>
                      <xs:documentation>Number plate of the
vehicle.</xs:documentation>
                      <xs:documentation>READ: <br/> -
Consignee</xs:documentation>
                      <xs:documentation>WRITE: <br/> -
Consignor</xs:documentation>
                      <xs:documentation>AMEND: <br/> - Contractual carrier <br/> -
Successive carrier<br/> (With the agreement of the consignor)</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:maxLength value="10"/>
                        <xs:minLength value="1"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element ref="CountryCodeISO"/>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element name="TareWeightVehicle" type="WeightValueKilo">
              <xs:annotation>
                <xs:documentation>Total weight [kg] of vehicle (truck and
trailer).</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="Haulier" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Information concerning the
haulier.</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element ref="Name">
                    <xs:annotation>
                      <xs:documentation>Name of haulier.</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element ref="CountryCodeISO"/>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element name="Attendants" minOccurs="0" maxOccurs="2">
              <xs:annotation>
                <xs:documentation>Attendants during the
transport.</xs:documentation>
              </xs:annotation>
              <xs:complexType>
```

```
                <xs:sequence>
                  <xs:element name="LastName">
                    <xs:annotation>
                      <xs:documentation>Last name of
attendant.</xs:documentation>
                      <xs:documentation>READ: <br/> -
Consignee</xs:documentation>
                      <xs:documentation>WRITE: <br/> -
Consignor</xs:documentation>
                      <xs:documentation>AMEND: <br/> - Contractual carrier <br/> -
Successive carrier <br/> (With the agreement of the consignor)</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:minLength value="1"/>
                        <xs:maxLength value="25"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="FirstName" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Optional first name of the
attendant.</xs:documentation>
                      <xs:documentation>READ: <br/> -
Consignee</xs:documentation>
                      <xs:documentation>WRITE: <br/> -
Consignor</xs:documentation>
                      <xs:documentation>AMEND: <br/> - Contractual carrier <br/> -
Successive carrier <br/> (With the agreement of the consignor)</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:minLength value="1"/>
                        <xs:maxLength value="15"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element ref="Goods" maxOccurs="99">
        <xs:annotation/>
      </xs:element>
      <xs:element ref="SummaryOFGoodsWithSameRID" minOccurs="0" maxOccurs="25"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingRoadUnit/RollingRoadUnitDetails**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**LoadingStatus** **RollingRoadUnitType** **Vehicles** **TareWeightVehicle** **Haulier** **Attendants**
annotation	documentation Details for Rolling Road units on wagon

source

```
<xs:element name="RollingRoadUnitDetails">
  <xs:annotation>
    <xs:documentation>Details for Rolling Road units on wagon</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="LoadingStatus"/>
      <xs:element name="RollingRoadUnitType" default="HGZ" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Type of Rolling Road unit on Wagon</xs:documentation>
          <xs:documentation>CODE:</xs:documentation>
          <xs:documentation>READ: <br/> - Consignee</xs:documentation>
          <xs:documentation>WRITE: <br/> - Consignor</xs:documentation>
          <xs:documentation>AMEND: <br/> - Contractual carrier <br/> - Successive
carrier<br/> (With the agreement of the consignor)</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="3"/>
```

```
            <xs:enumeration value="HGZ">
              <xs:annotation>
                <xs:documentation>articulated lorry</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="SAL">
              <xs:annotation>
                <xs:documentation>semi-trailer</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="MW">
              <xs:annotation>
                <xs:documentation>motor vehicle</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="ANH">
              <xs:annotation>
                <xs:documentation>trailer</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="Vehicles" minOccurs="0" maxOccurs="2">
        <xs:annotation>
          <xs:documentation>List of vehicles loaded (i.e. truck and
trailer).</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="NumberPlate">
              <xs:annotation>
                <xs:documentation>Number plate of the vehicle.</xs:documentation>
                <xs:documentation>READ: <br/> - Consignee</xs:documentation>
                <xs:documentation>WRITE: <br/> - Consignor</xs:documentation>
                <xs:documentation>AMEND: <br/> - Contractual carrier <br/> -
Successive carrier<br/> (With the agreement of the consignor)</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="10"/>
                  <xs:minLength value="1"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element ref="CountryCodeISO"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="TareWeightVehicle" type="WeightValueKilo">
        <xs:annotation>
          <xs:documentation>Total weight [kg] of vehicle (truck and
trailer).</xs:documentation>
        </xs:annotation>
      </xs:element>
```

```
      <xs:element name="Haulier" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Information concerning the
haulier.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="Name">
              <xs:annotation>
                <xs:documentation>Name of haulier.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="CountryCodeISO"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="Attendants" minOccurs="0" maxOccurs="2">
        <xs:annotation>
          <xs:documentation>Attendants during the transport.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="LastName">
              <xs:annotation>
                <xs:documentation>Last name of attendant.</xs:documentation>
                <xs:documentation>READ: <br/> - Consignee</xs:documentation>
                <xs:documentation>WRITE: <br/> - Consignor</xs:documentation>
                <xs:documentation>AMEND: <br/> - Contractual carrier <br/> -
Successive carrier <br/> (With the agreement of the consignor)</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:minLength value="1"/>
                  <xs:maxLength value="25"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="FirstName" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Optional first name of the
attendant.</xs:documentation>
                <xs:documentation>READ: <br/> - Consignee</xs:documentation>
                <xs:documentation>WRITE: <br/> - Consignor</xs:documentation>
                <xs:documentation>AMEND: <br/> - Contractual carrier <br/> -
Successive carrier <br/> (With the agreement of the consignor)</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:minLength value="1"/>
                  <xs:maxLength value="15"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
```

```
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingRoadUnit/RollingRoadUnitDetails/RollingRoadUnitType**

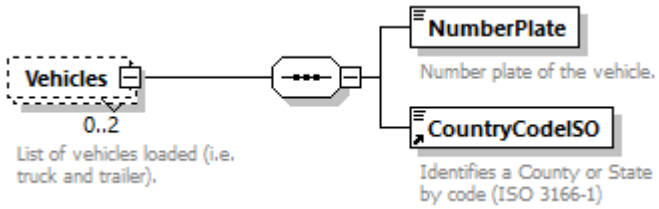
diagram	RollingRoadUnitType Type of Rolling Road unit on Wagon
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple default HGZ
facets	Kind / Value / Annotation minLength 1 maxLength 3 enumeration HGZ documentation articulated lorry enumeration SAL documentation semi-trailer enumeration MW documentation motor vehicle enumeration ANH documentation trailer
annotation	documentation Type of Rolling Road unit on Wagon documentation CODE: documentation READ: - Consignee documentation WRITE: - Consignor documentation AMEND: - Contractual carrier - Successive carrier (With the agreement of the consignor)

source

```
<xs:element name="RollingRoadUnitType" default="HGZ" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Type of Rolling Road unit on Wagon</xs:documentation>
    <xs:documentation>CODE:</xs:documentation>
    <xs:documentation>READ: <br/> - Consignee</xs:documentation>
    <xs:documentation>WRITE: <br/> - Consignor</xs:documentation>
    <xs:documentation>AMEND: <br/> - Contractual carrier <br/> - Successive
carrier<br/> (With the agreement of the consignor)</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="3"/>
      <xs:enumeration value="HGZ">
        <xs:annotation>
```

```
          <xs:documentation>articulated lorry</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="SAL">
        <xs:annotation>
          <xs:documentation>semi-trailer</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="MW">
        <xs:annotation>
          <xs:documentation>motor vehicle</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="ANH">
        <xs:annotation>
          <xs:documentation>trailer</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **RollingRoadUnit/RollingRoadUnitDetails/Vehicles**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 2 content complex
children	**NumberPlate** **CountryCodeISO**
annotation	documentation List of vehicles loaded (i.e. truck and trailer).
source	`<xs:element name="Vehicles" minOccurs="0" maxOccurs="2">` `  <xs:annotation>` `  <xs:documentation>List of vehicles loaded (i.e. truck and trailer).</xs:documentation>` `  </xs:annotation>` `  <xs:complexType>` `  <xs:sequence>` `  <xs:element name="NumberPlate">` `  <xs:annotation>` `  <xs:documentation>Number plate of the vehicle.</xs:documentation>` `  <xs:documentation>READ:   - Consignee</xs:documentation>` `  <xs:documentation>WRITE:   - Consignor</xs:documentation>` `  <xs:documentation>AMEND:   - Contractual carrier   - Successive carrier  (With the agreement of the consignor)</xs:documentation>`

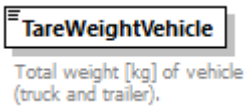
```
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="10"/>
            <xs:minLength value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="CountryCodeISO"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingRoadUnit/RollingRoadUnitDetails/Vehicles/NumberPlate**

diagram	**NumberPlate** Number plate of the vehicle.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 10
annotation	documentation Number plate of the vehicle. documentation READ: - Consignee documentation WRITE: - Consignor documentation AMEND: - Contractual carrier - Successive carrier (With the agreement of the consignor)

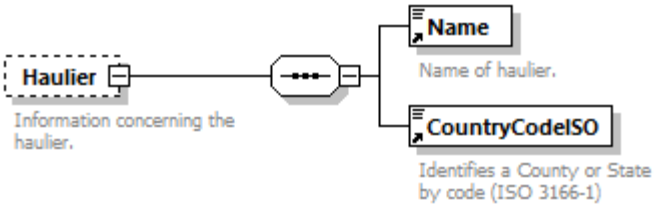
```
<xs:element name="NumberPlate">
  <xs:annotation>
    <xs:documentation>Number plate of the vehicle.</xs:documentation>
    <xs:documentation>READ: <br/> - Consignee</xs:documentation>
    <xs:documentation>WRITE: <br/> - Consignor</xs:documentation>
    <xs:documentation>AMEND: <br/> - Contractual carrier <br/> - Successive
carrier<br/> (With the agreement of the consignor)</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="10"/>
      <xs:minLength value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **RollingRoadUnit/RollingRoadUnitDetails/TareWeightVehicle**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**WeightValueKilo**
properties	content simple
facets	Kind / Value / Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse
annotation	documentation Total weight [kg] of vehicle (truck and trailer).

source	`<xs:element name="TareWeightVehicle" type="WeightValueKilo">`
	`  <xs:annotation>`
	`  <xs:documentation>Total weight [kg] of vehicle (truck and trailer).</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RollingRoadUnit/RollingRoadUnitDetails/Haulier**

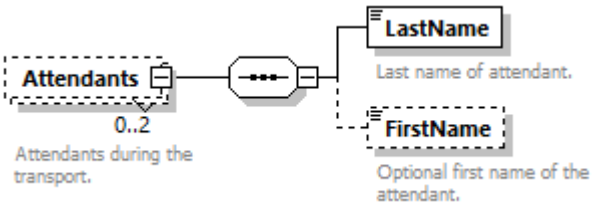
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**Name** **CountryCodeISO**
annotation	documentation Information concerning the haulier.

source	`<xs:element name="Haulier" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Information concerning the haulier.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Name">`
	`  <xs:annotation>`
	`  <xs:documentation>Name of haulier.</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  <xs:element ref="CountryCodeISO"/>`

```
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingRoadUnit/RollingRoadUnitDetails/Attendants**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 2 content complex
children	**LastName** **FirstName**
annotation	documentation Attendants during the transport.

source

```
<xs:element name="Attendants" minOccurs="0" maxOccurs="2">
  <xs:annotation>
    <xs:documentation>Attendants during the transport.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="LastName">
        <xs:annotation>
          <xs:documentation>Last name of attendant.</xs:documentation>
          <xs:documentation>READ: <br/> - Consignee</xs:documentation>
          <xs:documentation>WRITE: <br/> - Consignor</xs:documentation>
          <xs:documentation>AMEND: <br/> - Contractual carrier <br/> - Successive
carrier <br/> (With the agreement of the consignor)</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="25"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="FirstName" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Optional first name of the
attendant.</xs:documentation>
          <xs:documentation>READ: <br/> - Consignee</xs:documentation>
          <xs:documentation>WRITE: <br/> - Consignor</xs:documentation>
          <xs:documentation>AMEND: <br/> - Contractual carrier <br/> - Successive
carrier <br/> (With the agreement of the consignor)</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
```

```
            <xs:minLength value="1"/>
            <xs:maxLength value="15"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingRoadUnit/RollingRoadUnitDetails/Attendants/LastName**

diagram	LastName Last name of attendant.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 25
annotation	documentation Last name of attendant. documentation READ: - Consignee documentation WRITE: - Consignor documentation AMEND: - Contractual carrier - Successive carrier (With the agreement of the consignor)

source

```
<xs:element name="LastName">
  <xs:annotation>
    <xs:documentation>Last name of attendant.</xs:documentation>
    <xs:documentation>READ: <br/> - Consignee</xs:documentation>
    <xs:documentation>WRITE: <br/> - Consignor</xs:documentation>
    <xs:documentation>AMEND: <br/> - Contractual carrier <br/> - Successive carrier
<br/> (With the agreement of the consignor)</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="25"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **RollingRoadUnit/RollingRoadUnitDetails/Attendants/FirstName**

diagram	FirstName Optional first name of the attendant.

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 15
annotation	documentation Optional first name of the attendant. documentation READ: - Consignee documentation WRITE: - Consignor documentation AMEND: - Contractual carrier - Successive carrier (With the agreement of the consignor)
source	<xs:element name="FirstName" minOccurs="0"> <xs:annotation> <xs:documentation>Optional first name of the attendant.</xs:documentation> <xs:documentation>READ: - Consignee</xs:documentation> <xs:documentation>WRITE: - Consignor</xs:documentation> <xs:documentation>AMEND: - Contractual carrier - Successive carrier (With the agreement of the consignor)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="15"/> </xs:restriction> </xs:simpleType> </xs:element>

element **RollingRoadUnitType**

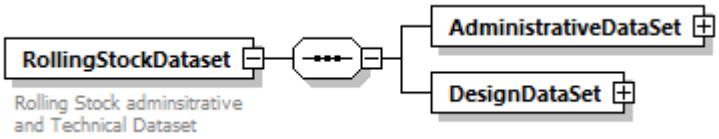
diagram	RollingRoadUnitType Type of Rolling Road unit on Wagon
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
facets	Kind Value Annotation enumeration HGZ documentation articulated lorry enumeration SAL documentation semi-trailer enumeration MW documentation motor vehicle enumeration ANH documentation trailer
annotation	documentation Type of Rolling Road unit on Wagon

source

```
<xs:element name="RollingRoadUnitType">
  <xs:annotation>
    <xs:documentation>Type of Rolling Road unit on Wagon</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="HGZ">
        <xs:annotation>
          <xs:documentation>articulated lorry</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="SAL">
        <xs:annotation>
          <xs:documentation>semi-trailer</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="MW">
        <xs:annotation>
          <xs:documentation>motor vehicle</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="ANH">
        <xs:annotation>
          <xs:documentation>trailer</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **RollingStockDataset**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**AdministrativeDataSet** **DesignDataSet**
used by	element **RollingStockDatasetMessage**
annotation	documentation Rolling Stock adminsitrative and Technical Dataset

source

```
<xs:element name="RollingStockDataset">
  <xs:annotation>
    <xs:documentation>Rolling Stock adminsitrative and Technical
Dataset</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
```

```
      <xs:element name="AdministrativeDataSet">
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="WagonNumberFreight"/>
            <xs:element name="PreviousWagonNumberFreight" type="WagonIdent"
minOccurs="0">
              <xs:annotation>
                <xs:documentation>For identification of a wagon after
renumbering</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="RegistrationCountry" type="CountryIdentISO">
              <xs:annotation>
                <xs:documentation>ISO country code of registration
country</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="DatePutIntoService">
              <xs:annotation>
                <xs:documentation>Date of first operation</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="AuthorisationValidUntil" type="xs:date"
minOccurs="0">
              <xs:annotation>
                <xs:documentation>End date for restricted authorisation (special
case)</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="SuspensionOfAuthorisation" type="xs:boolean">
              <xs:annotation>
                <xs:documentation>Information if authorisation has been suspended
by the authority</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="DateSuspensionOfAuthorisation" type="xs:date"
minOccurs="0">
              <xs:annotation>
                <xs:documentation>Date of the suspension of authorisation; must be
provided in case of suspension</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="MultilateralAuthorisationCountries"
type="CountryIdentISO" minOccurs="0" maxOccurs="unbounded">
              <xs:annotation>
                <xs:documentation> ISO country code of countries where the wagon is
authorised (applies only in case of limited interoperability); first entry indicates
the initial authorisation country</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="ChannelTunnelPermitted" type="xs:boolean"
minOccurs="0">
              <xs:annotation>
                <xs:documentation>Indication if wagon is allowed to pass the Channel
Tunnel - if the transport is planned between UK and France and should use Eurotunnel
```

```
infrastructure.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="QuieterRoutesExemptionCountry"
type="CountryIdentISO" minOccurs="0" maxOccurs="unbounded">
              <xs:annotation>
                <xs:documentation>ISO code of country where the wagon has an
exemption in accordance with TSI Noise to run on quieter routes although it is not
TSI noise compliant</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="KeeperShortNameVKM">
              <xs:annotation>
                <xs:documentation>Vehicle Keeper Marking of the wagon keeper as
listed in VKM register
(http://www.era.europa.eu/Document-Register/Pages/list-VKM.aspx, column B -
without special characters)</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="ECM">
              <xs:annotation>
                <xs:documentation> Full name of the assigned Entity in Charge of
Maintenance</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="256"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="PlannedChangeOfECM" minOccurs="0">
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="CurrentECMAssignedUntil" type="xs:date">
                    <xs:annotation>
                      <xs:documentation> Date until the current Entity in Charge of
Maintenance is assigned to the wagon</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="SubsequentECM">
                    <xs:annotation>
                      <xs:documentation> Full name of the following Entity in Charge
of Maintenance</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:maxLength value="256"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element name="ECMCertificate">
              <xs:annotation>
```

```
                <xs:documentation>ECM certificate information</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="EINNumber">
                    <xs:annotation>
                      <xs:documentation>ECM certificate reference number
NOTE: this is a placeholder! CR 335 by ERA is containing this element and its full
description and code lists.</xs:documentation>
                    </xs:annotation>
                    <xs:complexType>
                      <xs:sequence>
                        <xs:element ref="CountryCodeISO"/>
                        <xs:element name="TypeDocumentEIN" type="Numeric2-2">
                          <xs:annotation>
                            <xs:documentation>Code List Candidate:
31, 34</xs:documentation>
                          </xs:annotation>
                        </xs:element>
                        <xs:element name="CounterAcreditedRecognizedBody"
type="Numeric0-2"/>
                        <xs:element name="EINYear" type="Numeric2-2"/>
                        <xs:element name="EINCounter">
                          <xs:simpleType>
                            <xs:restriction base="xs:integer">
                              <xs:minInclusive value="0"/>
                              <xs:maxInclusive value="9999"/>
                            </xs:restriction>
                          </xs:simpleType>
                        </xs:element>
                      </xs:sequence>
                    </xs:complexType>
                  </xs:element>
                  <xs:element name="ECMCertificateValidFrom" type="xs:date">
                    <xs:annotation>
                      <xs:documentation>Certificate valid from
date</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="ECMCertificateValidTo" type="xs:date">
                    <xs:annotation>
                      <xs:documentation>Certificate valid to
date</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="CoversTankWagonsForDangerousGoods"
type="xs:boolean">
                    <xs:annotation>
                      <xs:documentation>Certificate covers tank wagons for
dangerous goods</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="CoversNonTankWagonsForDangerousGoods"
type="xs:boolean">
                    <xs:annotation>
```

```
                        <xs:documentation>Certificate covers other wagons
specialised in transport of dangerous goods</xs:documentation>
                      </xs:annotation>
                    </xs:element>
                    <xs:element name="ECMCertificateSuspended" type="xs:boolean">
                      <xs:annotation>
                        <xs:documentation>Identification if certificate has been
suspended for any reason</xs:documentation>
                      </xs:annotation>
                    </xs:element>
                    <xs:element name="DateECMCertificateSuspended" type="xs:date"
minOccurs="0">
                      <xs:annotation>
                        <xs:documentation>Date of the suspension of the ECM
certificate; must be provided in case of suspension</xs:documentation>
                      </xs:annotation>
                    </xs:element>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
              <xs:element ref="InteropCapability">
                <xs:annotation>
                  <xs:documentation>Identification of the general interoperability
capability of the wagon
The following values/codes are proposed for the usage (defined in the
InteropCapabilityCode):

01 = National
02 = Bi-/Multilateral (with agreement or authorisation grid)

03 = RIV
05 = TEN

06 = TEN-GE

07 = TEN-CW

08 = TEN RIV</xs:documentation>
                </xs:annotation>
              </xs:element>
              <xs:element name="GCUWagon" type="xs:boolean">
                <xs:annotation>
                  <xs:documentation>Indication if wagon is operated under the GCU
contract</xs:documentation>
                </xs:annotation>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
        <xs:element name="DesignDataSet">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="LetterMarking">
                <xs:annotation>
                  <xs:documentation>Complete wagon category letter code. The
```

```
Identification marking for freight rolling stock (wagon type) is defined in UIC
Leaflet 438-2</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="20"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="TankCode" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Tank code (applies only for tank wagons). The
codes are defined in the RID regulation, chapter 4.3.3 and
4.3.4.1.1</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="20"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element ref="WagonNumberOfAxles"/>
            <xs:element name="WheelSetType" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Type name of the wheel sets, and the name of the
type depends on the manufacturer.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="256"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element ref="WheelDiameter" minOccurs="0"/>
            <xs:element ref="WheelsetGauge" minOccurs="0" maxOccurs="unbounded"/>
            <xs:element ref="WheelSetTransformationMethod" minOccurs="0"/>
            <xs:element ref="NumberOfBogies" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Number of bogies for a wagon (applies for bogie
wagons only)</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="BogiePitch" minOccurs="0"/>
            <xs:element name="BogiePivotPitch" type="Numeric1-5" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Largest distance between two adjacent bogie
pitches in mm</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="InnerWheelbase" type="Numeric1-5">
              <xs:annotation>
                <xs:documentation>Maximum distance between two adjacent  axles in
mm</xs:documentation>
              </xs:annotation>
            </xs:element>
```

```
            <xs:element ref="CouplingType" minOccurs="0"/>
            <xs:element name="BufferType" minOccurs="0">
              <xs:annotation>
                <xs:documentation> Classification of buffer. The following values
are mostly used in the sector.: A, AX, B, C, CX, L0 (130), L0 (150), L2 (130), L2
(150), L4 (130), L4 (150)</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="256"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element ref="NormalLoadingGauge" minOccurs="0"/>
            <xs:element ref="MinCurveRadius">
              <xs:annotation>
                <xs:documentation> Minimum allowed curve radius due to design
characteristics, measured in meters</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="MinVerticalRadiusYardHump" minOccurs="0"/>
            <xs:element ref="WagonWeightEmpty">
              <xs:annotation>
                <xs:documentation>Weight of the empty wagon (tara weight) in
kg</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="LengthOverBuffers"/>
            <xs:element ref="MaxAxleWeight"/>
            <xs:element name="LoadTable" minOccurs="0" maxOccurs="unbounded">
              <xs:annotation>
                <xs:documentation>Indicates the load tables marked on the wagon.
When load tables are marked on the wagon the information must be provided in the RSRD
message.
Several load tables (international, product specific for LPG wagons  and
additional/country specific) can be specified by providing the element several times
consecutively.
For special wagons with specific load tables (e.g. heavy haul wagons) no load table
need to be provided.
The complete load table must be provided including the empty load row (if
existent).</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="LoadTableProduct" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Product description, only applies for
product-specific load tables</xs:documentation>
                    </xs:annotation>
                    <xs:complexType>
                      <xs:sequence>
                        <xs:element name="ProductUNCode" type="Numeric4-4">
                          <xs:annotation>
                            <xs:documentation>UN code of product if product
specific load table</xs:documentation>
```

```
                          </xs:annotation>
                        </xs:element>
                        <xs:element name="ProductRIDName">
                          <xs:annotation>
                            <xs:documentation> RID product name as written on the
folding panel</xs:documentation>
                          </xs:annotation>
                          <xs:simpleType>
                            <xs:restriction base="xs:string">
                              <xs:maxLength value="256"/>
                            </xs:restriction>
                          </xs:simpleType>
                        </xs:element>
                      </xs:sequence>
                    </xs:complexType>
                  </xs:element>
                  <xs:element name="LoadTableCountry" type="CountryIdentISO"
minOccurs="0" maxOccurs="unbounded">
                    <xs:annotation>
                      <xs:documentation>ISO country code of countries for
additional load tables</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="SpeedCategory" type="Numeric1-5"
maxOccurs="unbounded">
                    <xs:annotation>
                      <xs:documentation>Numeric speed in load table, without speed
empty in km/h</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element ref="LoadTableStars" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Number of load table stars. Currently
recognized values/codes:
1 = Authorised to run loaded in trains up to 100 km/h with a brake that does not meet
all the requirements for 100 km/h conditions
2 = Authorised to run loaded in trains up to 120 km/h with a brake that does not meet
all the requirements for 120 km/h conditions
3 = Authorised to run loaded in trains up to 120 km/h with a brake that does not meet
all the requirements for 120 km/h conditions. Wagon is fitted with an automatic
load-proportional braking system.
 </xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="RouteClassPayloads" maxOccurs="unbounded">
                    <xs:complexType>
                      <xs:sequence>
                        <xs:element ref="RouteClass"/>
                        <xs:element name="MaxPayload" maxOccurs="unbounded">
                          <xs:annotation>
                            <xs:documentation>Maximum payload in tonns of line
category; number of entries must fit to number of entries in
SpeedCategory</xs:documentation>
                          </xs:annotation>
                          <xs:simpleType>
```

```
                            <xs:restriction base="xs:decimal">
                              <xs:totalDigits value="4"/>
                              <xs:fractionDigits value="1"/>
                            </xs:restriction>
                          </xs:simpleType>
                        </xs:element>
                      </xs:sequence>
                    </xs:complexType>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element ref="MaxDesignSpeed"/>
            <xs:element ref="AirBrake"/>
            <xs:element ref="HandBrake">
              <xs:annotation>
                <xs:documentation>Characteristics of hand
brake</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="DerailmentDetectionDevice"
type="DerailmentDetectionDevice" minOccurs="0"/>
            <xs:element name="BrakeBlock" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Characteristics of brake
blocks</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="BrakeBlockName" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Name of the brake block type, including the
length in mm</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:maxLength value="256"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="CompositeBrakeBlockRetrofitted"
type="xs:boolean" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation> Indication if composite brake blocks are
retrofitted or originally equipped</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="CompositeBrakeBlockInstallationDate"
type="xs:date" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Date of composite brake block
installation, for originally equipped wagon = date put into
service</xs:documentation>
                    </xs:annotation>
                  </xs:element>
```

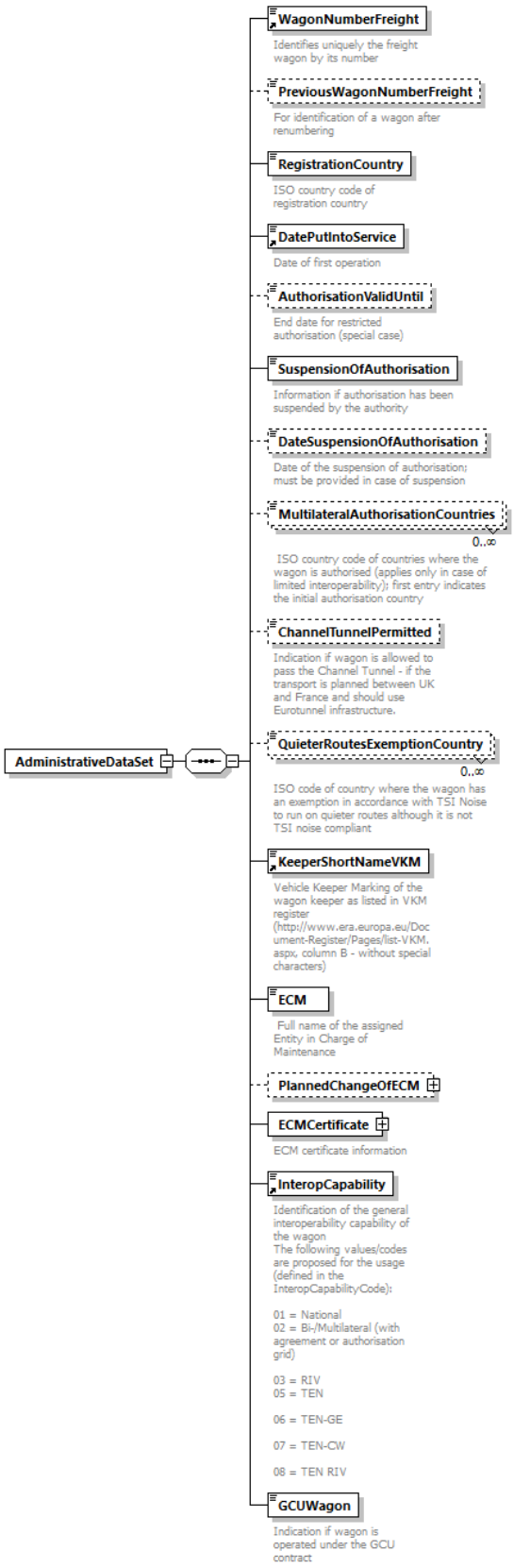
```
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element name="WagonTelematics" type="WagonTelematics"
minOccurs="0">
              <xs:annotation>
                <xs:documentation xml:lang="en">Information about telematics
devices mounted on the wagon.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="MaxLengthOfLoad" minOccurs="0">
              <xs:annotation>
                <xs:documentation> Maximum length of the load measured in mm
</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="LoadArea" minOccurs="0"/>
            <xs:element name="HeightOfLoadingPlaneUnladen" type="Numeric1-5"
minOccurs="0">
              <xs:annotation>
                <xs:documentation>Height of the loading plane when wagon is empty
measured in mm</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="RemovableAccessories" minOccurs="0"
maxOccurs="unbounded">
              <xs:complexType>
                <xs:sequence>
                  <xs:element ref="TypeOfRemovableAccessories">
                    <xs:annotation>
                      <xs:documentation>Specification of removable accessory.
TypeOfRemovableAccessories code list is used. Values refer to UIC Leaflet 920-13:
01 = Removable stanchion
02 = Removable side flap of flat wagon
03 = Removable end flap of flat wagon
04 = Removable side rail
05 = Removable intermediate upright for securing the load
06 = Stanchion chain
07 = Removable handle and wheel for winch on car-carrying wagon
08 = Swivelling bolster (with stanchions)
09 = Coupling rod (rigid coupling)
10 = Ice bunker
11 = Ice bunker screen
12 = Ice bunker frame
13 = Trestle or bar with hooks for hanging meat
14 = Movable cross-member of wagon with low loading plane
15 = Removable support
16 = Mooring cross-member on wagon for special loads
17 = Movable floor panel on wagon for special loads
18 = Scotch
19 = Skid bar with or without shoes on car-carrying wagon
20 = Mooring strap on car-carrying wagon
21 = Beam for movable ramp on car-carrying wagon
22 = Spare heating half-coupling
23 = Fire extinguisher
```

```
24 = Wheel scotches (for cars) on car-carrying wagon
25 = Gangway loading ramp on car-carrying wagon
26 = Metal cradles for rolls of metal sheeting
27 = Panel for covering markings
28 = Loading frame for special types of goods
29 = Headstock for "rolling roads"
99 = Other wagon accessories
</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="NumberOfAccessorOfSpecType"
type="Numeric2-2">
                    <xs:annotation>
                      <xs:documentation>Number of specified accessory equipped on
the wagon</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element ref="LoadingCapacity" minOccurs="0"/>
            <xs:element ref="MaxGrossWeight">
              <xs:annotation>
                <xs:documentation>Weight of max Gross Load Weight  plus the tare
weight of the equipment in kg</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="VapourReturnSystem" type="xs:boolean"
minOccurs="0">
              <xs:annotation>
                <xs:documentation>Indication if tank wagon is equipped with a vapour
return system</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="FerryPermittedFlag" minOccurs="0">
              <xs:annotation>
                <xs:documentation> Indication if wagon is permitted to be used on
ferries</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="FerryRampAngle" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Maximum allowed angle of the ferry ramp (in
grades: °)</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:decimal">
                  <xs:totalDigits value="3"/>
                  <xs:fractionDigits value="2"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="TemperatureRange" minOccurs="0">
              <xs:complexType>
                <xs:sequence>
```

```
                    <xs:annotation>
                      <xs:documentation>Temperature Range</xs:documentation>
                    </xs:annotation>
                    <xs:element ref="MaxTemp"/>
                    <xs:element ref="MinTemp"/>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
              <xs:element ref="TechnicalForwardingRestrictions" minOccurs="0"
maxOccurs="unbounded">
                <xs:annotation>
                  <xs:documentation>Restrictions relevant to wagon operations in
train formation, yards or in trains due to design characteristics.
Type will be the RestrictionCode instead of ForwardingRestrictionType, according to
920-13: annotation will carry the information that only thechnical parameters are
allowed to be used here. Only the code numbers should be in the
annotation</xs:documentation>
                </xs:annotation>
              </xs:element>
              <xs:element ref="DateLastOverhaul">
                <xs:annotation>
                  <xs:documentation>Date of the last overhaul, if yet no overhaul date
of putting into service</xs:documentation>
                </xs:annotation>
              </xs:element>
              <xs:element ref="OverhaulValidityPeriod"/>
              <xs:element ref="PermittedTolerance"/>
              <xs:element ref="PlannedDateNextOverhaul" minOccurs="0"/>
              <xs:element name="DateOfNextTankInspection" type="xs:date"
minOccurs="0">
                <xs:annotation>
                  <xs:documentation>Date of the next tank inspection, applies only for
tank wagons</xs:documentation>
                </xs:annotation>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
```

element **RollingStockDataset/AdministrativeDataSet**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**WagonNumberFreight** **PreviousWagonNumberFreight** **RegistrationCountry** **DatePutIntoService** **AuthorisationValidUntil** **SuspensionOfAuthorisation** **DateSuspensionOfAuthorisation** **MultilateralAuthorisationCountries** **ChannelTunnelPermitted** **QuieterRoutesExemptionCountry** **KeeperShortNameVKM** **ECM** **PlannedChangeOfECM** **ECMCertificate** **InteropCapability** **GCUWagon**

source

```
<xs:element name="AdministrativeDataSet">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="WagonNumberFreight"/>
      <xs:element name="PreviousWagonNumberFreight" type="WagonIdent"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>For identification of a wagon after
renumbering</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="RegistrationCountry" type="CountryIdentISO">
        <xs:annotation>
          <xs:documentation>ISO country code of registration
country</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="DatePutIntoService">
        <xs:annotation>
          <xs:documentation>Date of first operation</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="AuthorisationValidUntil" type="xs:date" minOccurs="0">
        <xs:annotation>
          <xs:documentation>End date for restricted authorisation (special
case)</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="SuspensionOfAuthorisation" type="xs:boolean">
        <xs:annotation>
          <xs:documentation>Information if authorisation has been suspended by the
authority</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="DateSuspensionOfAuthorisation" type="xs:date"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>Date of the suspension of authorisation; must be
provided in case of suspension</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="MultilateralAuthorisationCountries"
type="CountryIdentISO" minOccurs="0" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation> ISO country code of countries where the wagon is
authorised (applies only in case of limited interoperability); first entry indicates
the initial authorisation country</xs:documentation>
```

```
        </xs:annotation>
      </xs:element>
      <xs:element name="ChannelTunnelPermitted" type="xs:boolean" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Indication if wagon is allowed to pass the Channel
Tunnel - if the transport is planned between UK and France and should use Eurotunnel
infrastructure.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="QuieterRoutesExemptionCountry" type="CountryIdentISO"
minOccurs="0" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>ISO code of country where the wagon has an exemption in
accordance with TSI Noise to run on quieter routes although it is not TSI noise
compliant</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="KeeperShortNameVKM">
        <xs:annotation>
          <xs:documentation>Vehicle Keeper Marking of the wagon keeper as listed in
VKM register (http://www.era.europa.eu/Document-Register/Pages/list-VKM.aspx,
column B - without special characters)</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="ECM">
        <xs:annotation>
          <xs:documentation> Full name of the assigned Entity in Charge of
Maintenance</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="256"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="PlannedChangeOfECM" minOccurs="0">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="CurrentECMAssignedUntil" type="xs:date">
              <xs:annotation>
                <xs:documentation> Date until the current Entity in Charge of
Maintenance is assigned to the wagon</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="SubsequentECM">
              <xs:annotation>
                <xs:documentation> Full name of the following Entity in Charge of
Maintenance</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="256"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
```

```
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="ECMCertificate">
        <xs:annotation>
          <xs:documentation>ECM certificate information</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="EINNumber">
              <xs:annotation>
                <xs:documentation>ECM certificate reference number
NOTE: this is a placeholder! CR 335 by ERA is containing this element and its full
description and code lists.</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element ref="CountryCodeISO"/>
                  <xs:element name="TypeDocumentEIN" type="Numeric2-2">
                    <xs:annotation>
                      <xs:documentation>Code List Candidate:
31, 34</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="CounterAcreditedRecognizedBody"
type="Numeric0-2"/>
                  <xs:element name="EINYear" type="Numeric2-2"/>
                  <xs:element name="EINCounter">
                    <xs:simpleType>
                      <xs:restriction base="xs:integer">
                        <xs:minInclusive value="0"/>
                        <xs:maxInclusive value="9999"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element name="ECMCertificateValidFrom" type="xs:date">
              <xs:annotation>
                <xs:documentation>Certificate valid from date</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="ECMCertificateValidTo" type="xs:date">
              <xs:annotation>
                <xs:documentation>Certificate valid to date</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="CoversTankWagonsForDangerousGoods"
type="xs:boolean">
              <xs:annotation>
                <xs:documentation>Certificate covers tank wagons for dangerous
goods</xs:documentation>
              </xs:annotation>
            </xs:element>
```

```
            <xs:element name="CoversNonTankWagonsForDangerousGoods"
type="xs:boolean">
              <xs:annotation>
                <xs:documentation>Certificate covers other wagons specialised in
transport of dangerous goods</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="ECMCertificateSuspended" type="xs:boolean">
              <xs:annotation>
                <xs:documentation>Identification if certificate has been suspended
for any reason</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="DateECMCertificateSuspended" type="xs:date"
minOccurs="0">
              <xs:annotation>
                <xs:documentation>Date of the suspension of the ECM certificate;
must be provided in case of suspension</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element ref="InteropCapability">
        <xs:annotation>
          <xs:documentation>Identification of the general interoperability
capability of the wagon
The following values/codes are proposed for the usage (defined in the
InteropCapabilityCode):

01 = National
02 = Bi-/Multilateral (with agreement or authorisation grid)

03 = RIV
05 = TEN

06 = TEN-GE

07 = TEN-CW

08 = TEN RIV</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="GCUWagon" type="xs:boolean">
        <xs:annotation>
          <xs:documentation>Indication if wagon is operated under the GCU
contract</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingStockDataset/AdministrativeDataSet/PreviousWagonNumberFreight**

diagram	**PreviousWagonNumberFreight** For identification of a wagon after renumbering
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**WagonIdent**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 12 pattern [0-9]{12}
annotation	documentation For identification of a wagon after renumbering

source	`<xs:element name="PreviousWagonNumberFreight" type="WagonIdent" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>For identification of a wagon after renumbering</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RollingStockDataset/AdministrativeDataSet/RegistrationCountry**

diagram	**RegistrationCountry** ISO country code of registration country
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CountryIdentISO**
properties	content simple
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation ISO country code of registration country

source	`<xs:element name="RegistrationCountry" type="CountryIdentISO">`
	`  <xs:annotation>`
	`  <xs:documentation>ISO country code of registration country</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RollingStockDataset/AdministrativeDataSet/AuthorisationValidUntil**

diagram	**AuthorisationValidUntil** End date for restricted authorisation (special case)

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation End date for restricted authorisation (special case)

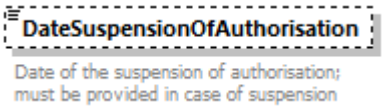
source	`<xs:element name="AuthorisationValidUntil" type="xs:date" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>End date for restricted authorisation (special case)</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RollingStockDataset/AdministrativeDataSet/SuspensionOfAuthorisation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
annotation	documentation Information if authorisation has been suspended by the authority

source	`<xs:element name="SuspensionOfAuthorisation" type="xs:boolean">`
	`  <xs:annotation>`
	`  <xs:documentation>Information if authorisation has been suspended by the authority</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

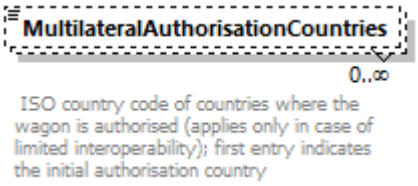
element **RollingStockDataset/AdministrativeDataSet/DateSuspensionOfAuthorisation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Date of the suspension of authorisation; must be provided in case of suspension

source	`<xs:element name="DateSuspensionOfAuthorisation" type="xs:date" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Date of the suspension of authorisation; must be provided in`

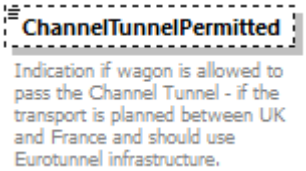
	`case of suspension</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RollingStockDataset/AdministrativeDataSet/MultilateralAuthorisationCountries**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CountryIdentISO**
properties	minOcc 0 maxOcc unbounded content simple
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation ISO country code of countries where the wagon is authorised (applies only in case of limited interoperability); first entry indicates the initial authorisation country

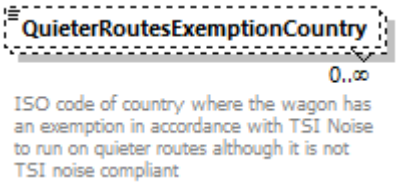
source	`<xs:element name="MultilateralAuthorisationCountries" type="CountryIdentISO" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:annotation>`
	`  <xs:documentation> ISO country code of countries where the wagon is authorised (applies only in case of limited interoperability); first entry indicates the initial authorisation country</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RollingStockDataset/AdministrativeDataSet/ChannelTunnelPermitted**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Indication if wagon is allowed to pass the Channel Tunnel - if the transport is planned between UK and France and should use Eurotunnel infrastructure.
source	`<xs:element name="ChannelTunnelPermitted" type="xs:boolean" minOccurs="0">`

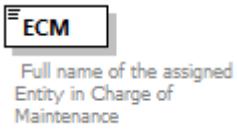
```
  <xs:annotation>
    <xs:documentation>Indication if wagon is allowed to pass the Channel Tunnel - if the transport is planned between UK and France and should use Eurotunnel infrastructure.</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **RollingStockDataset/AdministrativeDataSet/QuieterRoutesExemptionCountry**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CountryIdentISO**
properties	minOcc 0 maxOcc unbounded content simple
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation ISO code of country where the wagon has an exemption in accordance with TSI Noise to run on quieter routes although it is not TSI noise compliant

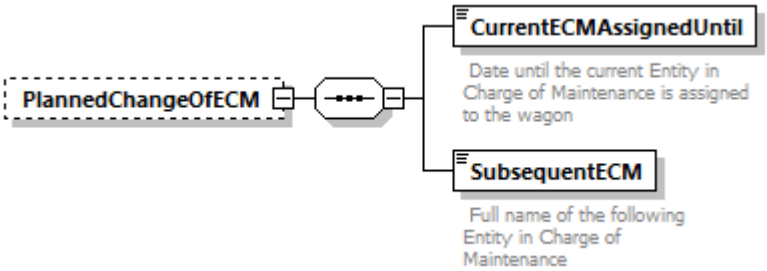
source	`<xs:element name="QuieterRoutesExemptionCountry" type="CountryIdentISO" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:annotation>`
	`  <xs:documentation>ISO code of country where the wagon has an exemption in accordance with TSI Noise to run on quieter routes although it is not TSI noise compliant</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RollingStockDataset/AdministrativeDataSet/ECM**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation maxLength 256
annotation	documentation Full name of the assigned Entity in Charge of Maintenance

source	<xs:element name="ECM"> <xs:annotation> <xs:documentation> Full name of the assigned Entity in Charge of Maintenance</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element>

element **RollingStockDataset/AdministrativeDataSet/PlannedChangeOfECM**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**CurrentECMAssignedUntil** **SubsequentECM**
source	<xs:element name="PlannedChangeOfECM" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="CurrentECMAssignedUntil" type="xs:date"> <xs:annotation> <xs:documentation> Date until the current Entity in Charge of Maintenance is assigned to the wagon</xs:documentation> </xs:annotation> </xs:element> <xs:element name="SubsequentECM"> <xs:annotation> <xs:documentation> Full name of the following Entity in Charge of Maintenance</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element>

element **RollingStockDataset/AdministrativeDataSet/PlannedChangeOfECM/CurrentECMAssignedUntil**

diagram	**CurrentECMAssignedUntil** Date until the current Entity in Charge of Maintenance is assigned to the wagon
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**
properties	content simple
annotation	documentation Date until the current Entity in Charge of Maintenance is assigned to the wagon

source	`<xs:element name="CurrentECMAssignedUntil" type="xs:date">`
	`  <xs:annotation>`
	`  <xs:documentation> Date until the current Entity in Charge of Maintenance is assigned to the wagon</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

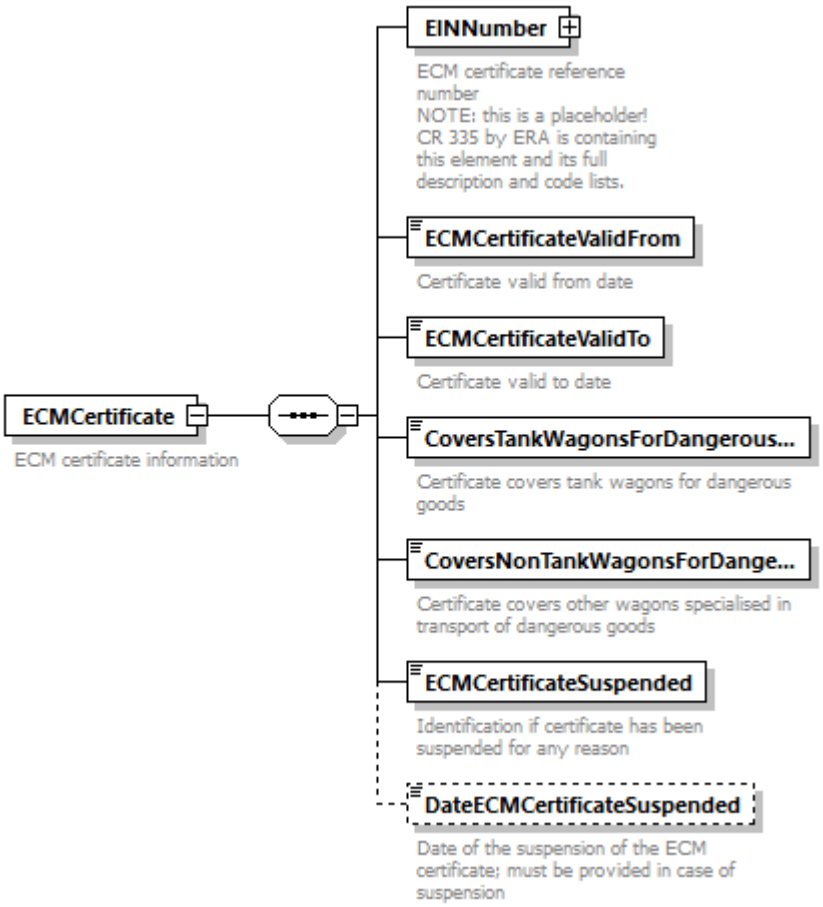
element **RollingStockDataset/AdministrativeDataSet/PlannedChangeOfECM/SubsequentECM**

diagram	**SubsequentECM** Full name of the following Entity in Charge of Maintenance
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation maxLength 256
annotation	documentation Full name of the following Entity in Charge of Maintenance

source	`<xs:element name="SubsequentECM">`
	`  <xs:annotation>`
	`  <xs:documentation> Full name of the following Entity in Charge of Maintenance</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="256"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**EINNumber** **ECMCertificateValidFrom** **ECMCertificateValidTo** **CoversTankWagonsForDangerousGoods** **CoversNonTankWagonsForDangerousGoods** **ECMCertificateSuspended** **DateECMCertificateSuspended**
annotation	documentation ECM certificate information

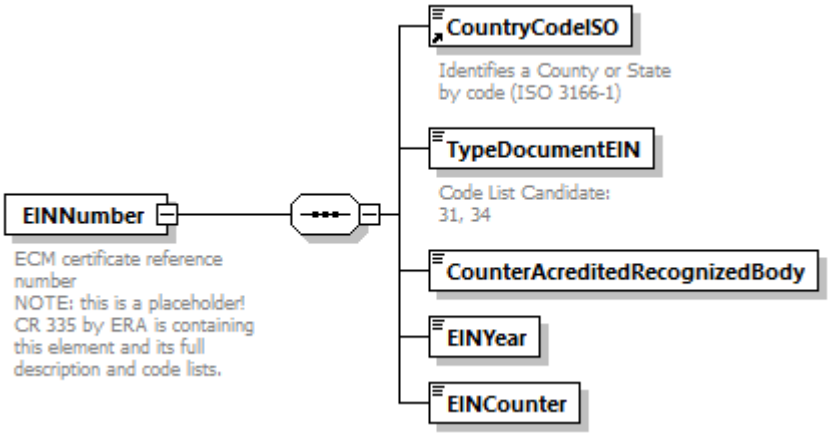
source

```
<xs:element name="ECMCertificate">
  <xs:annotation>
    <xs:documentation>ECM certificate information</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="EINNumber">
        <xs:annotation>
          <xs:documentation>ECM certificate reference number
NOTE: this is a placeholder! CR 335 by ERA is containing this element and its full
description and code lists.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="CountryCodeISO"/>
            <xs:element name="TypeDocumentEIN" type="Numeric2-2">
```

```
              <xs:annotation>
                <xs:documentation>Code List Candidate:
31, 34</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="CounterAcreditedRecognizedBody" type="Numeric0-2"/>
            <xs:element name="EINYear" type="Numeric2-2"/>
            <xs:element name="EINCounter">
              <xs:simpleType>
                <xs:restriction base="xs:integer">
                  <xs:minInclusive value="0"/>
                  <xs:maxInclusive value="9999"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="ECMCertificateValidFrom" type="xs:date">
        <xs:annotation>
          <xs:documentation>Certificate valid from date</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="ECMCertificateValidTo" type="xs:date">
        <xs:annotation>
          <xs:documentation>Certificate valid to date</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="CoversTankWagonsForDangerousGoods" type="xs:boolean">
        <xs:annotation>
          <xs:documentation>Certificate covers tank wagons for dangerous
goods</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="CoversNonTankWagonsForDangerousGoods" type="xs:boolean">
        <xs:annotation>
          <xs:documentation>Certificate covers other wagons specialised in
transport of dangerous goods</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="ECMCertificateSuspended" type="xs:boolean">
        <xs:annotation>
          <xs:documentation>Identification if certificate has been suspended for
any reason</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="DateECMCertificateSuspended" type="xs:date"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>Date of the suspension of the ECM certificate; must be
provided in case of suspension</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
```

	`</xs:element>`

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**CountryCodeISO** **TypeDocumentEIN** **CounterAcreditedRecognizedBody** **EINYear** **EINCounter**
annotation	documentation ECM certificate reference number NOTE: this is a placeholder! CR 335 by ERA is containing this element and its full description and code lists.

source

```
<xs:element name="EINNumber">
  <xs:annotation>
    <xs:documentation>ECM certificate reference number
NOTE: this is a placeholder! CR 335 by ERA is containing this element and its full
description and code lists.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="CountryCodeISO"/>
      <xs:element name="TypeDocumentEIN" type="Numeric2-2">
        <xs:annotation>
          <xs:documentation>Code List Candidate:
31, 34</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="CounterAcreditedRecognizedBody" type="Numeric0-2"/>
      <xs:element name="EINYear" type="Numeric2-2"/>
      <xs:element name="EINCounter">
        <xs:simpleType>
          <xs:restriction base="xs:integer">
            <xs:minInclusive value="0"/>
            <xs:maxInclusive value="9999"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
```

	`</xs:element>`

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/TypeDocumentEIN**

diagram	TypeDocumentEIN Code List Candidate: 31, 34
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Numeric2-2**
properties	content simple
facets	Kind Value Annotation minInclusive 01 maxInclusive 99
annotation	documentation Code List Candidate: 31, 34

source	`<xs:element name="TypeDocumentEIN" type="Numeric2-2">`
	`  <xs:annotation>`
	`  <xs:documentation>Code List Candidate:`
	`31, 34</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/CounterAcreditedRecognizedBody**

diagram	CounterAcreditedRecognizedBody
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Numeric0-2**
properties	content simple
facets	Kind Value Annotation minInclusive 00 maxInclusive 99
source	`<xs:element name="CounterAcreditedRecognizedBody" type="Numeric0-2"/>`

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/EINYear**

diagram	EINYear
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Numeric2-2**

properties	content simple
facets	Kind Value Annotation minInclusive 01 maxInclusive 99
source	`<xs:element name="EINYear" type="Numeric2-2"/>`

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/EINCounter**

diagram	EINCounter
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
facets	Kind Value Annotation minInclusive 0 maxInclusive 9999

source	`<xs:element name="EINCounter">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="0"/>`
	`  <xs:maxInclusive value="9999"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/ECMCertificateValidFrom**

diagram	ECMCertificateValidFrom Certificate valid from date
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**
properties	content simple
annotation	documentation Certificate valid from date

source	`<xs:element name="ECMCertificateValidFrom" type="xs:date">`
	`  <xs:annotation>`
	`  <xs:documentation>Certificate valid from date</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/ECMCertificateValidTo**

diagram	ECMCertificateValidTo Certificate valid to date
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**
properties	content simple
annotation	documentation Certificate valid to date

source	`<xs:element name="ECMCertificateValidTo" type="xs:date">`
	`  <xs:annotation>`
	`  <xs:documentation>Certificate valid to date</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/CoversTankWagonsForDangerousGoods**

diagram	CoversTankWagonsForDangerous... Certificate covers tank wagons for dangerous goods
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
annotation	documentation Certificate covers tank wagons for dangerous goods

source	`<xs:element name="CoversTankWagonsForDangerousGoods" type="xs:boolean">`
	`  <xs:annotation>`
	`  <xs:documentation>Certificate covers tank wagons for dangerous goods</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/CoversNonTankWagonsForDangerousGoods**

diagram	CoversNonTankWagonsForDange... Certificate covers other wagons specialised in transport of dangerous goods
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple

annotation	documentation Certificate covers other wagons specialised in transport of dangerous goods
source	<xs:element name="CoversNonTankWagonsForDangerousGoods" type="xs:boolean"> <xs:annotation> <xs:documentation>Certificate covers other wagons specialised in transport of dangerous goods</xs:documentation> </xs:annotation> </xs:element>

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/ECMCertificateSuspended**

diagram	ECMCertificateSuspended Identification if certificate has been suspended for any reason
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
annotation	documentation Identification if certificate has been suspended for any reason
source	<xs:element name="ECMCertificateSuspended" type="xs:boolean"> <xs:annotation> <xs:documentation>Identification if certificate has been suspended for any reason</xs:documentation> </xs:annotation> </xs:element>

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/DateECMCertificateSuspended**

diagram	DateECMCertificateSuspended Date of the suspension of the ECM certificate; must be provided in case of suspension
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Date of the suspension of the ECM certificate; must be provided in case of suspension
source	<xs:element name="DateECMCertificateSuspended" type="xs:date" minOccurs="0"> <xs:annotation> <xs:documentation>Date of the suspension of the ECM certificate; must be provided in case of suspension</xs:documentation> </xs:annotation> </xs:element>

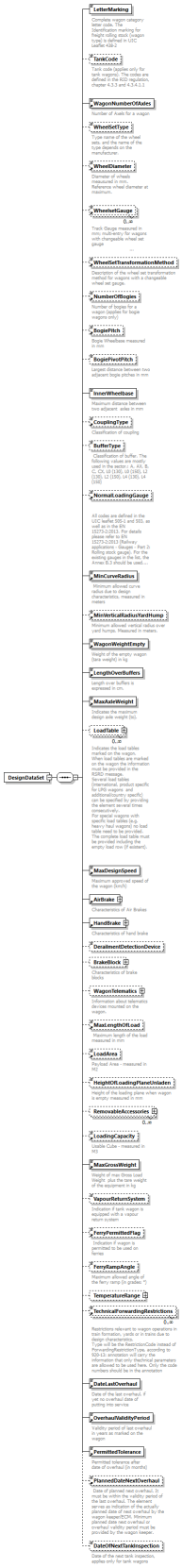
element **RollingStockDataset/AdministrativeDataSet/GCUWagon**

diagram	**GCUWagon** Indication if wagon is operated under the GCU contract
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
annotation	documentation Indication if wagon is operated under the GCU contract

source	`<xs:element name="GCUWagon" type="xs:boolean">`
	`  <xs:annotation>`
	`  <xs:documentation>Indication if wagon is operated under the GCU contract</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RollingStockDataset/DesignDataSet**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**LetterMarking** **TankCode** **WagonNumberOfAxles** **WheelSetType** **WheelDiameter** **WheelsetGauge** **WheelSetTransformationMethod** **NumberOfBogies** **BogiePitch** **BogiePivotPitch** **InnerWheelbase** **CouplingType** **BufferType** **NormalLoadingGauge** **MinCurveRadius** **MinVerticalRadiusYardHump** **WagonWeightEmpty** **LengthOverBuffers** **MaxAxleWeight** **LoadTable** **MaxDesignSpeed** **AirBrake** **HandBrake** **DerailmentDetectionDevice** **BrakeBlock** **WagonTelematics** **MaxLengthOfLoad** **LoadArea** **HeightOfLoadingPlaneUnladen** **RemovableAccessories** **LoadingCapacity** **MaxGrossWeight** **VapourReturnSystem** **FerryPermittedFlag** **FerryRampAngle** **TemperatureRange** **TechnicalForwardingRestrictions** **DateLastOverhaul** **OverhaulValidityPeriod** **PermittedTolerance** **PlannedDateNextOverhaul** **DateOfNextTankInspection**

source

```
<xs:element name="DesignDataSet">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="LetterMarking">
        <xs:annotation>
          <xs:documentation>Complete wagon category letter code. The Identification
marking for freight rolling stock (wagon type) is defined in UIC Leaflet
438-2</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="20"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="TankCode" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Tank code (applies only for tank wagons). The codes are
defined in the RID regulation, chapter 4.3.3 and 4.3.4.1.1</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="20"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="WagonNumberOfAxles"/>
      <xs:element name="WheelSetType" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Type name of the wheel sets, and the name of the type
depends on the manufacturer.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="256"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="WheelDiameter" minOccurs="0"/>
      <xs:element ref="WheelsetGauge" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="WheelSetTransformationMethod" minOccurs="0"/>
      <xs:element ref="NumberOfBogies" minOccurs="0">
        <xs:annotation>
```

```
          <xs:documentation>Number of bogies for a wagon (applies for bogie wagons only)</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="BogiePitch" minOccurs="0"/>
      <xs:element name="BogiePivotPitch" type="Numeric1-5" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Largest distance between two adjacent bogie pitches in mm</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="InnerWheelbase" type="Numeric1-5">
        <xs:annotation>
          <xs:documentation>Maximum distance between two adjacent  axles in mm</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="CouplingType" minOccurs="0"/>
      <xs:element name="BufferType" minOccurs="0">
        <xs:annotation>
          <xs:documentation> Classification of buffer. The following values are mostly used in the sector.: A, AX, B, C, CX, L0 (130), L0 (150), L2 (130), L2 (150), L4 (130), L4 (150)</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="256"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="NormalLoadingGauge" minOccurs="0"/>
      <xs:element ref="MinCurveRadius">
        <xs:annotation>
          <xs:documentation> Minimum allowed curve radius due to design characteristics, measured in meters</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="MinVerticalRadiusYardHump" minOccurs="0"/>
      <xs:element ref="WagonWeightEmpty">
        <xs:annotation>
          <xs:documentation>Weight of the empty wagon (tara weight) in kg</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="LengthOverBuffers"/>
      <xs:element ref="MaxAxleWeight"/>
      <xs:element name="LoadTable" minOccurs="0" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>Indicates the load tables marked on the wagon.
When load tables are marked on the wagon the information must be provided in the RSRD message.
Several load tables (international, product specific for LPG wagons  and additional/country specific) can be specified by providing the element several times consecutively.
For special wagons with specific load tables (e.g. heavy haul wagons) no load table
```

```
need to be provided.
The complete load table must be provided including the empty load row (if
existent).</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="LoadTableProduct" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Product description, only applies for
product-specific load tables</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="ProductUNCode" type="Numeric4-4">
                    <xs:annotation>
                      <xs:documentation>UN code of product if product specific load
table</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="ProductRIDName">
                    <xs:annotation>
                      <xs:documentation> RID product name as written on the folding
panel</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:maxLength value="256"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element name="LoadTableCountry" type="CountryIdentISO"
minOccurs="0" maxOccurs="unbounded">
              <xs:annotation>
                <xs:documentation>ISO country code of countries for additional load
tables</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="SpeedCategory" type="Numeric1-5"
maxOccurs="unbounded">
              <xs:annotation>
                <xs:documentation>Numeric speed in load table, without speed empty
in km/h</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="LoadTableStars" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Number of load table stars. Currently recognized
values/codes:
1 = Authorised to run loaded in trains up to 100 km/h with a brake that does not meet
all the requirements for 100 km/h conditions
2 = Authorised to run loaded in trains up to 120 km/h with a brake that does not meet
all the requirements for 120 km/h conditions
```

```
3 = Authorised to run loaded in trains up to 120 km/h with a brake that does not meet
all the requirements for 120 km/h conditions. Wagon is fitted with an automatic
load-proportional braking system.
 </xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="RouteClassPayloads" maxOccurs="unbounded">
              <xs:complexType>
                <xs:sequence>
                  <xs:element ref="RouteClass"/>
                  <xs:element name="MaxPayload" maxOccurs="unbounded">
                    <xs:annotation>
                      <xs:documentation>Maximum payload in tonns of line category;
number of entries must fit to number of entries in SpeedCategory</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:decimal">
                        <xs:totalDigits value="4"/>
                        <xs:fractionDigits value="1"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element ref="MaxDesignSpeed"/>
      <xs:element ref="AirBrake"/>
      <xs:element ref="HandBrake">
        <xs:annotation>
          <xs:documentation>Characteristics of hand brake</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="DerailmentDetectionDevice"
type="DerailmentDetectionDevice" minOccurs="0"/>
      <xs:element name="BrakeBlock" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Characteristics of brake blocks</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="BrakeBlockName" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Name of the brake block type, including the length
in mm</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="256"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="CompositeBrakeBlockRetrofitted" type="xs:boolean"
```

```
minOccurs="0">
              <xs:annotation>
                <xs:documentation> Indication if composite brake blocks are
retrofitted or originally equipped</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="CompositeBrakeBlockInstallationDate" type="xs:date"
minOccurs="0">
              <xs:annotation>
                <xs:documentation>Date of composite brake block installation, for
originally equipped wagon = date put into service</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="WagonTelematics" type="WagonTelematics" minOccurs="0">
        <xs:annotation>
          <xs:documentation xml:lang="en">Information about telematics devices
mounted on the wagon.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="MaxLengthOfLoad" minOccurs="0">
        <xs:annotation>
          <xs:documentation> Maximum length of the load measured in mm
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="LoadArea" minOccurs="0"/>
      <xs:element name="HeightOfLoadingPlaneUnladen" type="Numeric1-5"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>Height of the loading plane when wagon is empty measured
in mm</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="RemovableAccessories" minOccurs="0"
maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="TypeOfRemovableAccessories">
              <xs:annotation>
                <xs:documentation>Specification of removable accessory.
TypeOfRemovableAccessories code list is used. Values refer to UIC Leaflet 920-13:
01 = Removable stanchion
02 = Removable side flap of flat wagon
03 = Removable end flap of flat wagon
04 = Removable side rail
05 = Removable intermediate upright for securing the load
06 = Stanchion chain
07 = Removable handle and wheel for winch on car-carrying wagon
08 = Swivelling bolster (with stanchions)
09 = Coupling rod (rigid coupling)
10 = Ice bunker
11 = Ice bunker screen
```

```
12 = Ice bunker frame
13 = Trestle or bar with hooks for hanging meat
14 = Movable cross-member of wagon with low loading plane
15 = Removable support
16 = Mooring cross-member on wagon for special loads
17 = Movable floor panel on wagon for special loads
18 = Scotch
19 = Skid bar with or without shoes on car-carrying wagon
20 = Mooring strap on car-carrying wagon
21 = Beam for movable ramp on car-carrying wagon
22 = Spare heating half-coupling
23 = Fire extinguisher
24 = Wheel scotches (for cars) on car-carrying wagon
25 = Gangway loading ramp on car-carrying wagon
26 = Metal cradles for rolls of metal sheeting
27 = Panel for covering markings
28 = Loading frame for special types of goods
29 = Headstock for "rolling roads"
99 = Other wagon accessories
</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="NumberOfAccessorOfSpecType" type="Numeric2-2">
              <xs:annotation>
                <xs:documentation>Number of specified accessory equipped on the
wagon</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element ref="LoadingCapacity" minOccurs="0"/>
      <xs:element ref="MaxGrossWeight">
        <xs:annotation>
          <xs:documentation>Weight of max Gross Load Weight  plus the tare weight
of the equipment in kg</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="VapourReturnSystem" type="xs:boolean" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Indication if tank wagon is equipped with a vapour
return system</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="FerryPermittedFlag" minOccurs="0">
        <xs:annotation>
          <xs:documentation> Indication if wagon is permitted to be used on
ferries</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="FerryRampAngle" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Maximum allowed angle of the ferry ramp (in grades:
°)</xs:documentation>
        </xs:annotation>
```

```
        <xs:simpleType>
          <xs:restriction base="xs:decimal">
            <xs:totalDigits value="3"/>
            <xs:fractionDigits value="2"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="TemperatureRange" minOccurs="0">
        <xs:complexType>
          <xs:sequence>
            <xs:annotation>
              <xs:documentation>Temperature Range</xs:documentation>
            </xs:annotation>
            <xs:element ref="MaxTemp"/>
            <xs:element ref="MinTemp"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element ref="TechnicalForwardingRestrictions" minOccurs="0"
maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>Restrictions relevant to wagon operations in train
formation, yards or in trains due to design characteristics.
Type will be the RestrictionCode instead of ForwardingRestrictionType, according to
920-13: annotation will carry the information that only thechnical parameters are
allowed to be used here. Only the code numbers should be in the
annotation</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="DateLastOverhaul">
        <xs:annotation>
          <xs:documentation>Date of the last overhaul, if yet no overhaul date of
putting into service</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="OverhaulValidityPeriod"/>
      <xs:element ref="PermittedTolerance"/>
      <xs:element ref="PlannedDateNextOverhaul" minOccurs="0"/>
      <xs:element name="DateOfNextTankInspection" type="xs:date" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Date of the next tank inspection, applies only for tank
wagons</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingStockDataset/DesignDataSet/LetterMarking**

diagram	**LetterMarking** Complete wagon category letter code. The Identification marking for freight rolling stock (wagon type) is defined in UIC Leaflet 438-2
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation maxLength 20
annotation	documentation Complete wagon category letter code. The Identification marking for freight rolling stock (wagon type) is defined in UIC Leaflet 438-2

source

```
<xs:element name="LetterMarking">
  <xs:annotation>
    <xs:documentation>Complete wagon category letter code. The Identification
marking for freight rolling stock (wagon type) is defined in UIC Leaflet
438-2</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="20"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **RollingStockDataset/DesignDataSet/TankCode**

diagram	**TankCode** Tank code (applies only for tank wagons). The codes are defined in the RID regulation, chapter 4.3.3 and 4.3.4.1.1
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 20
annotation	documentation Tank code (applies only for tank wagons). The codes are defined in the RID regulation, chapter 4.3.3 and 4.3.4.1.1

source

```
<xs:element name="TankCode" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Tank code (applies only for tank wagons). The codes are defined
in the RID regulation, chapter 4.3.3 and 4.3.4.1.1</xs:documentation>
```

```
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="20"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **RollingStockDataset/DesignDataSet/WheelSetType**

diagram	**WheelSetType** Type name of the wheel sets, and the name of the type depends on the manufacturer.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 256
annotation	documentation Type name of the wheel sets, and the name of the type depends on the manufacturer.

source

```
<xs:element name="WheelSetType" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Type name of the wheel sets, and the name of the type depends
on the manufacturer.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="256"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **RollingStockDataset/DesignDataSet/BogiePivotPitch**

diagram	**BogiePivotPitch** Largest distance between two adjacent bogie pitches in mm
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Numeric1-5**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation

	minInclusive 1 maxInclusive 99999
annotation	documentation Largest distance between two adjacent bogie pitches in mm

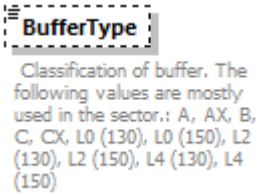
source	`<xs:element name="BogiePivotPitch" type="Numeric1-5" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Largest distance between two adjacent bogie pitches in mm</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RollingStockDataset/DesignDataSet/InnerWheelbase**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Numeric1-5**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation Maximum distance between two adjacent axles in mm

source	`<xs:element name="InnerWheelbase" type="Numeric1-5">`
	`  <xs:annotation>`
	`  <xs:documentation>Maximum distance between two adjacent axles in mm</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

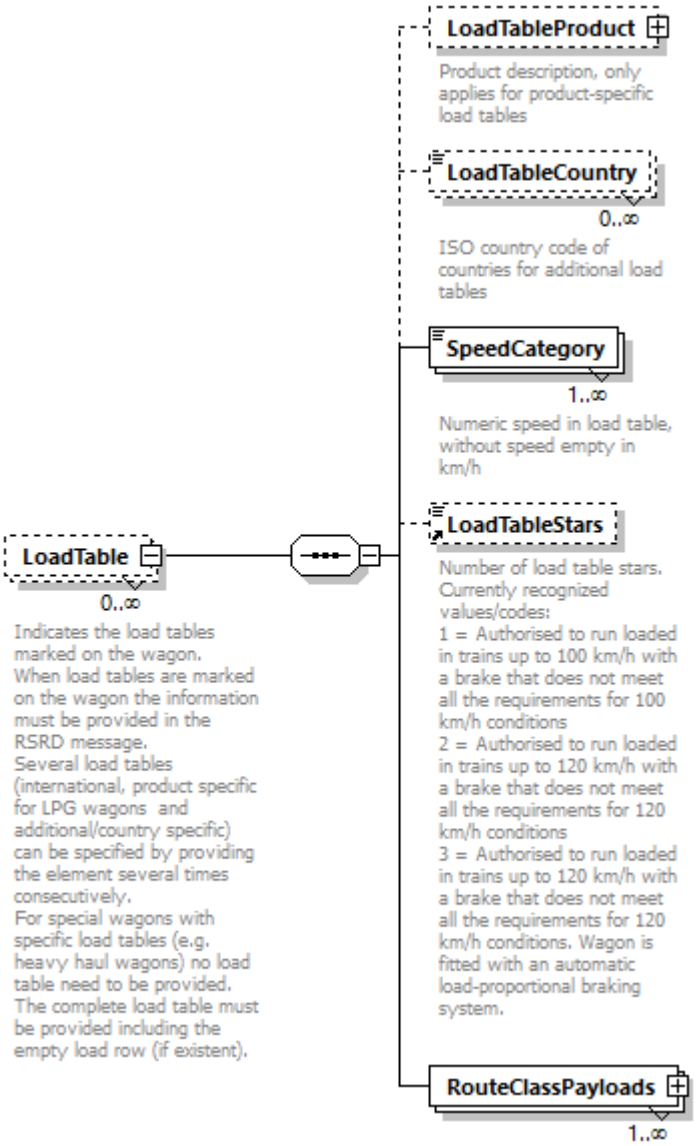
element **RollingStockDataset/DesignDataSet/BufferType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 256

annotation	documentation Classification of buffer. The following values are mostly used in the sector.: A, AX, B, C, CX, L0 (130), L0 (150), L2 (130), L2 (150), L4 (130), L4 (150)
source	<xs:element name="BufferType" minOccurs="0"> <xs:annotation> <xs:documentation> Classification of buffer. The following values are mostly used in the sector.: A, AX, B, C, CX, L0 (130), L0 (150), L2 (130), L2 (150), L4 (130), L4 (150)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element>

element **RollingStockDataset/DesignDataSet/LoadTable**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc unbounded content complex
children	**LoadTableProduct** **LoadTableCountry** **SpeedCategory** **LoadTableStars** **RouteClassPayloads**
annotation	documentation Indicates the load tables marked on the wagon. When load tables are marked on the wagon the information must be provided in the RSRD message. Several load tables (international, product specific for LPG wagons and additional/country specific) can be specified by providing the element several times consecutively. For special wagons with specific load tables (e.g. heavy haul wagons) no load table need to be provided. The complete load table must be provided including the empty load row (if existent).

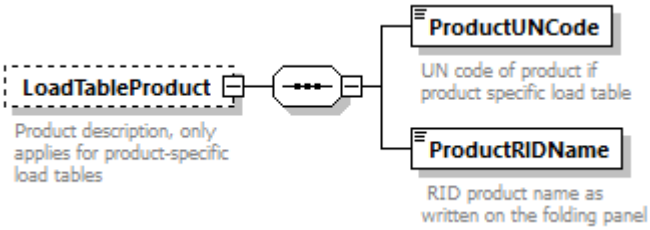
source

```
<xs:element name="LoadTable" minOccurs="0" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>Indicates the load tables marked on the wagon.
```

```
When load tables are marked on the wagon the information must be provided in the RSRD
message.
Several load tables (international, product specific for LPG wagons  and
additional/country specific) can be specified by providing the element several times
consecutively.
For special wagons with specific load tables (e.g. heavy haul wagons) no load table
need to be provided.
The complete load table must be provided including the empty load row (if
existent).</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="LoadTableProduct" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Product description, only applies for product-specific
load tables</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="ProductUNCode" type="Numeric4-4">
              <xs:annotation>
                <xs:documentation>UN code of product if product specific load
table</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="ProductRIDName">
              <xs:annotation>
                <xs:documentation> RID product name as written on the folding
panel</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="256"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="LoadTableCountry" type="CountryIdentISO" minOccurs="0"
maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>ISO country code of countries for additional load
tables</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="SpeedCategory" type="Numeric1-5" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>Numeric speed in load table, without speed empty in
km/h</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="LoadTableStars" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Number of load table stars. Currently recognized
```

```
values/codes:
1 = Authorised to run loaded in trains up to 100 km/h with a brake that does not meet
all the requirements for 100 km/h conditions
2 = Authorised to run loaded in trains up to 120 km/h with a brake that does not meet
all the requirements for 120 km/h conditions
3 = Authorised to run loaded in trains up to 120 km/h with a brake that does not meet
all the requirements for 120 km/h conditions. Wagon is fitted with an automatic
load-proportional braking system.
 </xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="RouteClassPayloads" maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="RouteClass"/>
            <xs:element name="MaxPayload" maxOccurs="unbounded">
              <xs:annotation>
                <xs:documentation>Maximum payload in tonns of line category; number
of entries must fit to number of entries in SpeedCategory</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:decimal">
                  <xs:totalDigits value="4"/>
                  <xs:fractionDigits value="1"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingStockDataset/DesignDataSet/LoadTable/LoadTableProduct**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**ProductUNCode** **ProductRIDName**
annotation	documentation Product description, only applies for product-specific load tables
source	`<xs:element name="LoadTableProduct" minOccurs="0">`

```
  <xs:annotation>
    <xs:documentation>Product description, only applies for product-specific load
tables</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="ProductUNCode" type="Numeric4-4">
        <xs:annotation>
          <xs:documentation>UN code of product if product specific load
table</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="ProductRIDName">
        <xs:annotation>
          <xs:documentation> RID product name as written on the folding
panel</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="256"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingStockDataset/DesignDataSet/LoadTable/LoadTableProduct/ProductUNCode**

diagram	**ProductUNCode** UN code of product if product specific load table
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Numeric4-4**
properties	content simple
facets	Kind / Value / Annotation minInclusive 0001 maxInclusive 9999
annotation	documentation UN code of product if product specific load table

source	`<xs:element name="ProductUNCode" type="Numeric4-4">`
	`  <xs:annotation>`
	`  <xs:documentation>UN code of product if product specific load table</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RollingStockDataset/DesignDataSet/LoadTable/LoadTableProduct/ProductRIDName**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation maxLength 256
annotation	documentation RID product name as written on the folding panel

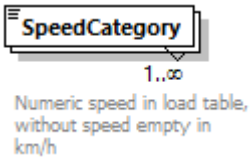
source	`<xs:element name="ProductRIDName">`
	`  <xs:annotation>`
	`  <xs:documentation> RID product name as written on the folding panel</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="256"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **RollingStockDataset/DesignDataSet/LoadTable/LoadTableCountry**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CountryIdentISO**
properties	minOcc 0 maxOcc unbounded content simple
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation ISO country code of countries for additional load tables

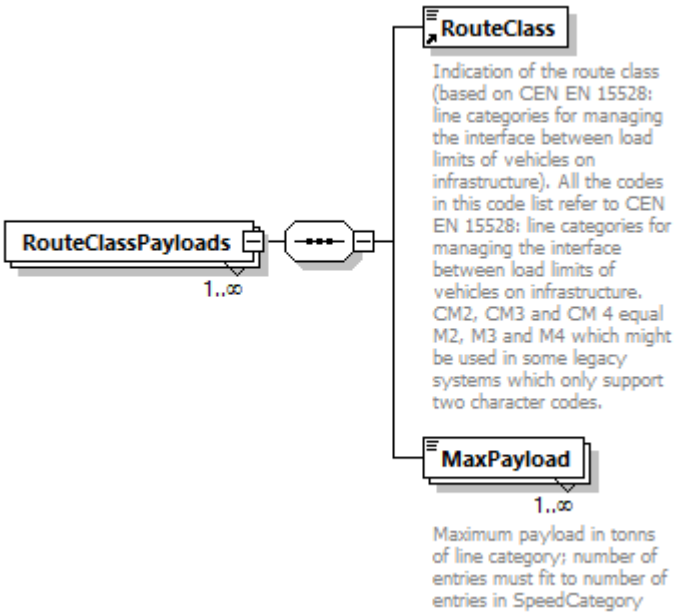
source	`<xs:element name="LoadTableCountry" type="CountryIdentISO" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:annotation>`
	`  <xs:documentation>ISO country code of countries for additional load tables</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RollingStockDataset/DesignDataSet/LoadTable/SpeedCategory**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Numeric1-5**
properties	minOcc 1 maxOcc unbounded content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation Numeric speed in load table, without speed empty in km/h

source	`<xs:element name="SpeedCategory" type="Numeric1-5" maxOccurs="unbounded">`
	`  <xs:annotation>`
	`  <xs:documentation>Numeric speed in load table, without speed empty in km/h</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

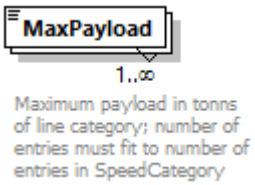
element **RollingStockDataset/DesignDataSet/LoadTable/RouteClassPayloads**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 1 maxOcc unbounded

	content complex
children	**RouteClass** **MaxPayload**
source	

```
<xs:element name="RouteClassPayloads" maxOccurs="unbounded">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="RouteClass"/>
      <xs:element name="MaxPayload" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>Maximum payload in tonns of line category; number of
entries must fit to number of entries in SpeedCategory</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:decimal">
            <xs:totalDigits value="4"/>
            <xs:fractionDigits value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

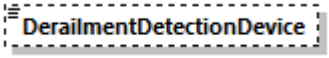
element **RollingStockDataset/DesignDataSet/LoadTable/RouteClassPayloads/MaxPayload**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:decimal**
properties	minOcc 1 maxOcc unbounded content simple
facets	Kind Value Annotation totalDigits 4 fractionDigits 1
annotation	documentation Maximum payload in tonns of line category; number of entries must fit to number of entries in SpeedCategory
source	

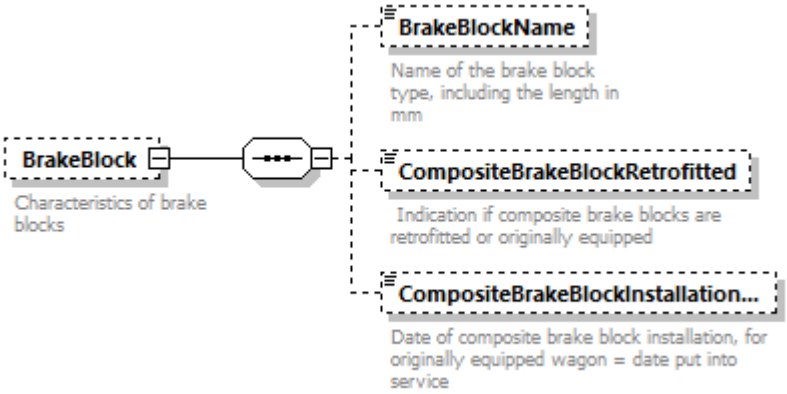
```
<xs:element name="MaxPayload" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>Maximum payload in tonns of line category; number of entries
must fit to number of entries in SpeedCategory</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:decimal">
      <xs:totalDigits value="4"/>
      <xs:fractionDigits value="1"/>
    </xs:restriction>
  </xs:simpleType>
```

	`</xs:element>`

element **RollingStockDataset/DesignDataSet/DerailmentDetectionDevice**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**DerailmentDetectionDevice**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation enumeration EDT 101 enumeration MDV 100 enumeration Non coded device
source	`<xs:element name="DerailmentDetectionDevice" type="DerailmentDetectionDevice" minOccurs="0"/>`

element **RollingStockDataset/DesignDataSet/BrakeBlock**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**BrakeBlockName** **CompositeBrakeBlockRetrofitted** **CompositeBrakeBlockInstallationDate**
annotation	documentation Characteristics of brake blocks

source	`<xs:element name="BrakeBlock" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Characteristics of brake blocks</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="BrakeBlockName" minOccurs="0">`
	`  <xs:annotation>`

```
          <xs:documentation>Name of the brake block type, including the length in
mm</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="256"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="CompositeBrakeBlockRetrofitted" type="xs:boolean"
minOccurs="0">
        <xs:annotation>
          <xs:documentation> Indication if composite brake blocks are retrofitted
or originally equipped</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="CompositeBrakeBlockInstallationDate" type="xs:date"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>Date of composite brake block installation, for
originally equipped wagon = date put into service</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingStockDataset/DesignDataSet/BrakeBlock/BrakeBlockName**

diagram	**BrakeBlockName** Name of the brake block type, including the length in mm
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 256
annotation	documentation Name of the brake block type, including the length in mm

source

```
<xs:element name="BrakeBlockName" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Name of the brake block type, including the length in
mm</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="256"/>
    </xs:restriction>
```

```
  </xs:simpleType>
</xs:element>
```

element **RollingStockDataset/DesignDataSet/BrakeBlock/CompositeBrakeBlockRetrofitted**

diagram	CompositeBrakeBlockRetrofitted Indication if composite brake blocks are retrofitted or originally equipped
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Indication if composite brake blocks are retrofitted or originally equipped

source

```
<xs:element name="CompositeBrakeBlockRetrofitted" type="xs:boolean"
minOccurs="0">
  <xs:annotation>
    <xs:documentation> Indication if composite brake blocks are retrofitted or
originally equipped</xs:documentation>
  </xs:annotation>
</xs:element>
```

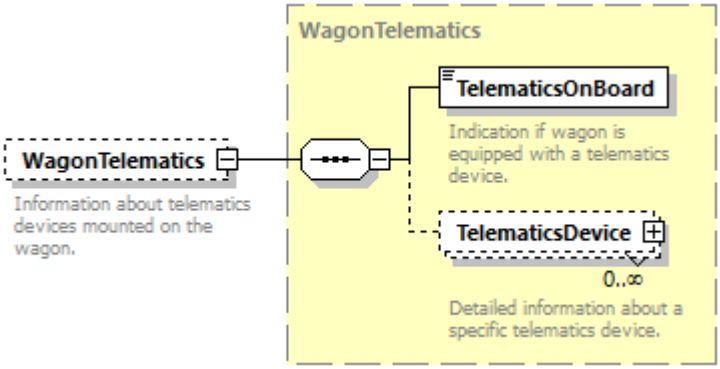
element **RollingStockDataset/DesignDataSet/BrakeBlock/CompositeBrakeBlockInstallationDate**

diagram	CompositeBrakeBlockInstallation... Date of composite brake block installation, for originally equipped wagon = date put into service
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Date of composite brake block installation, for originally equipped wagon = date put into service

source

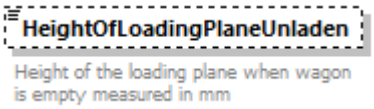
```
<xs:element name="CompositeBrakeBlockInstallationDate" type="xs:date"
minOccurs="0">
  <xs:annotation>
    <xs:documentation>Date of composite brake block installation, for originally
equipped wagon = date put into service</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **RollingStockDataset/DesignDataSet/WagonTelematics**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**WagonTelematics**
properties	minOcc 0 maxOcc 1 content complex
children	**TelematicsOnBoard** **TelematicsDevice**
annotation	documentation Information about telematics devices mounted on the wagon.

source	`<xs:element name="WagonTelematics" type="WagonTelematics" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation xml:lang="en">Information about telematics devices mounted on the wagon.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

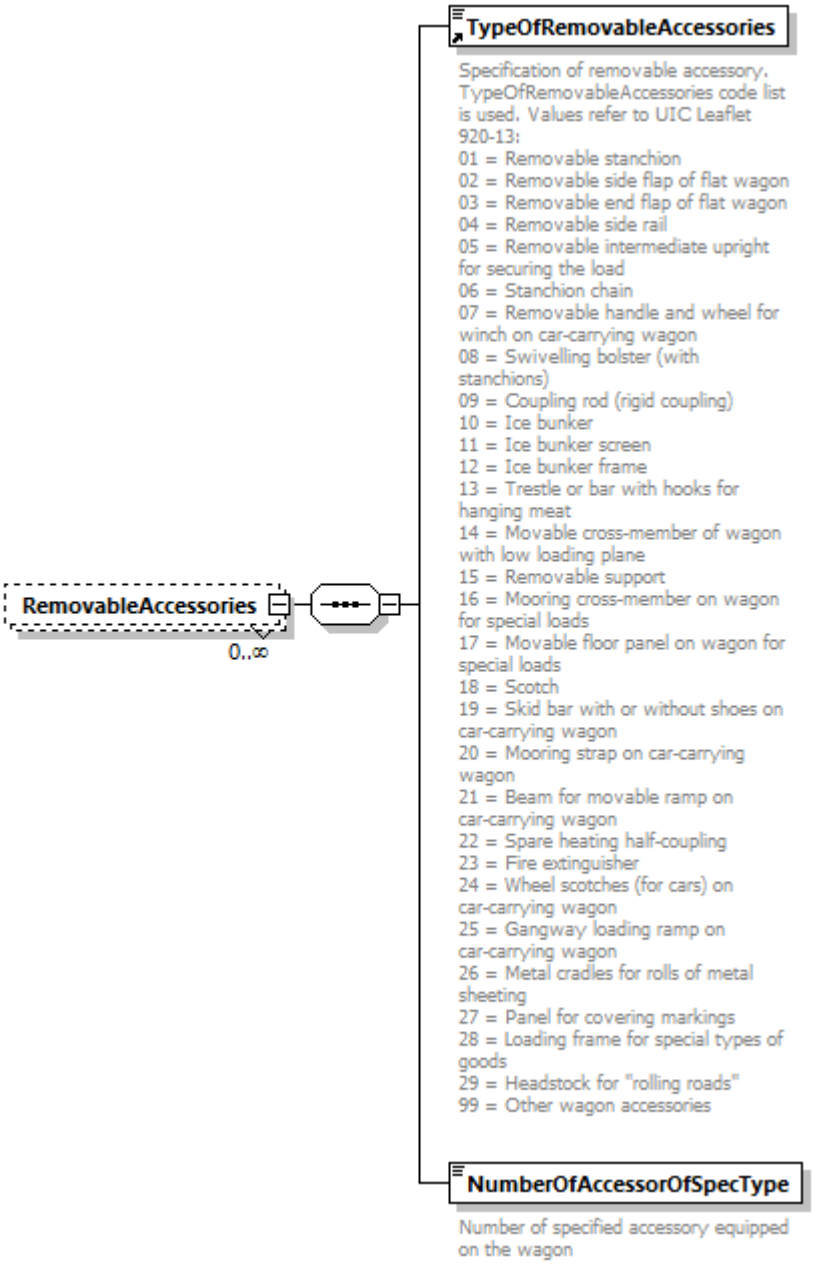
element **RollingStockDataset/DesignDataSet/HeightOfLoadingPlaneUnladen**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Numeric1-5**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation Height of the loading plane when wagon is empty measured in mm

source	`<xs:element name="HeightOfLoadingPlaneUnladen" type="Numeric1-5" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Height of the loading plane when wagon is empty measured in mm</xs:documentation>`
	`  </xs:annotation>`

	`</xs:element>`

element **RollingStockDataset/DesignDataSet/RemovableAccessories**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc unbounded content complex
children	**TypeOfRemovableAccessories** **NumberOfAccessorOfSpecType**
source	`<xs:element name="RemovableAccessories" minOccurs="0" maxOccurs="unbounded">` `  <xs:complexType>`

```
    <xs:sequence>
      <xs:element ref="TypeOfRemovableAccessories">
        <xs:annotation>
          <xs:documentation>Specification of removable accessory.
TypeOfRemovableAccessories code list is used. Values refer to UIC Leaflet 920-13:
01 = Removable stanchion
02 = Removable side flap of flat wagon
03 = Removable end flap of flat wagon
04 = Removable side rail
05 = Removable intermediate upright for securing the load
06 = Stanchion chain
07 = Removable handle and wheel for winch on car-carrying wagon
08 = Swivelling bolster (with stanchions)
09 = Coupling rod (rigid coupling)
10 = Ice bunker
11 = Ice bunker screen
12 = Ice bunker frame
13 = Trestle or bar with hooks for hanging meat
14 = Movable cross-member of wagon with low loading plane
15 = Removable support
16 = Mooring cross-member on wagon for special loads
17 = Movable floor panel on wagon for special loads
18 = Scotch
19 = Skid bar with or without shoes on car-carrying wagon
20 = Mooring strap on car-carrying wagon
21 = Beam for movable ramp on car-carrying wagon
22 = Spare heating half-coupling
23 = Fire extinguisher
24 = Wheel scotches (for cars) on car-carrying wagon
25 = Gangway loading ramp on car-carrying wagon
26 = Metal cradles for rolls of metal sheeting
27 = Panel for covering markings
28 = Loading frame for special types of goods
29 = Headstock for "rolling roads"
99 = Other wagon accessories
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="NumberOfAccessorOfSpecType" type="Numeric2-2">
        <xs:annotation>
          <xs:documentation>Number of specified accessory equipped on the
wagon</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingStockDataset/DesignDataSet/RemovableAccessories/NumberOfAccessorOfSpecType**

diagram	**NumberOfAccessorOfSpecType** Number of specified accessory equipped on the wagon
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Numeric2-2**
properties	content simple
facets	Kind Value Annotation minInclusive 01 maxInclusive 99
annotation	documentation Number of specified accessory equipped on the wagon

source	`<xs:element name="NumberOfAccessorOfSpecType" type="Numeric2-2">`
	`  <xs:annotation>`
	`  <xs:documentation>Number of specified accessory equipped on the wagon</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RollingStockDataset/DesignDataSet/VapourReturnSystem**

diagram	**VapourReturnSystem** Indication if tank wagon is equipped with a vapour return system
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Indication if tank wagon is equipped with a vapour return system

source	`<xs:element name="VapourReturnSystem" type="xs:boolean" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Indication if tank wagon is equipped with a vapour return system</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

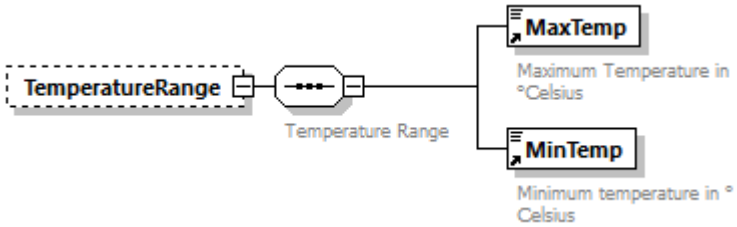
element **RollingStockDataset/DesignDataSet/FerryRampAngle**

diagram	**FerryRampAngle** Maximum allowed angle of the ferry ramp (in grades: °)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	restriction of **xs:decimal**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation totalDigits 3 fractionDigits 2
annotation	documentation Maximum allowed angle of the ferry ramp (in grades: °)

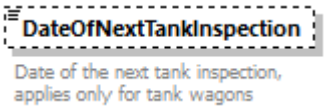
source	`<xs:element name="FerryRampAngle" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Maximum allowed angle of the ferry ramp (in grades: °)</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:decimal">`
	`  <xs:totalDigits value="3"/>`
	`  <xs:fractionDigits value="2"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **RollingStockDataset/DesignDataSet/TemperatureRange**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**MaxTemp** **MinTemp**

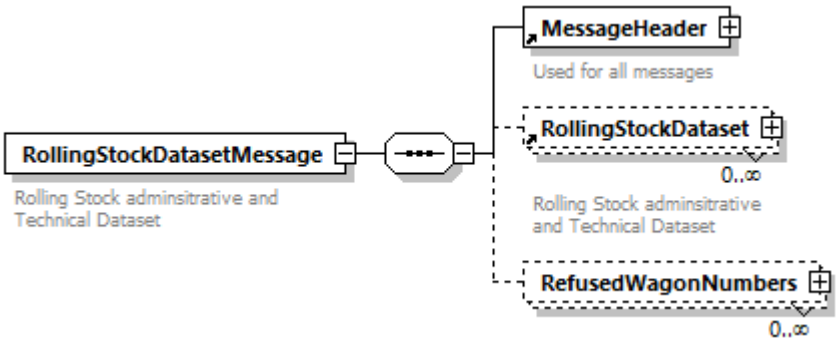
source	`<xs:element name="TemperatureRange" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:annotation>`
	`  <xs:documentation>Temperature Range</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:element ref="MaxTemp"/>`
	`  <xs:element ref="MinTemp"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **RollingStockDataset/DesignDataSet/DateOfNextTankInspection**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Date of the next tank inspection, applies only for tank wagons

source	`<xs:element name="DateOfNextTankInspection" type="xs:date" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Date of the next tank inspection, applies only for tank wagons</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RollingStockDatasetMessage**

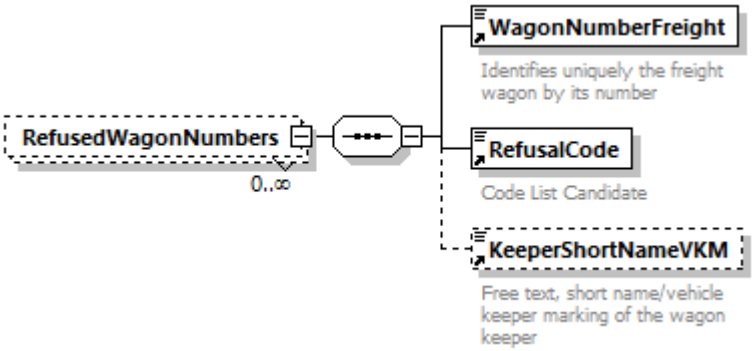
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **RollingStockDataset** **RefusedWagonNumbers**
annotation	documentation Rolling Stock adminsitrative and Technical Dataset

source	`<xs:element name="RollingStockDatasetMessage">`
	`  <xs:annotation>`
	`  <xs:documentation>Rolling Stock adminsitrative and Technical Dataset</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="MessageHeader"/>`
	`  <xs:element ref="RollingStockDataset" minOccurs="0" maxOccurs="unbounded"/>`
	`  <xs:element name="RefusedWagonNumbers" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:complexType>`
	`  <xs:sequence>`

```
            <xs:element ref="WagonNumberFreight"/>
            <xs:element ref="RefusalCode"/>
            <xs:element ref="KeeperShortNameVKM" minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingStockDatasetMessage/RefusedWagonNumbers**

diagram



namespace: http://www.era.europa.eu/schemes/TAFTSI/3.5

properties

minOcc	0
maxOcc	unbounded
content	complex

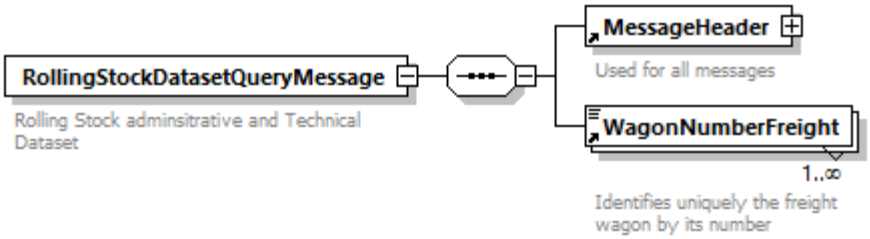
children: **WagonNumberFreight** **RefusalCode** **KeeperShortNameVKM**

source

```
<xs:element name="RefusedWagonNumbers" minOccurs="0" maxOccurs="unbounded">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="WagonNumberFreight"/>
      <xs:element ref="RefusalCode"/>
      <xs:element ref="KeeperShortNameVKM" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingStockDatasetQueryMessage**

diagram

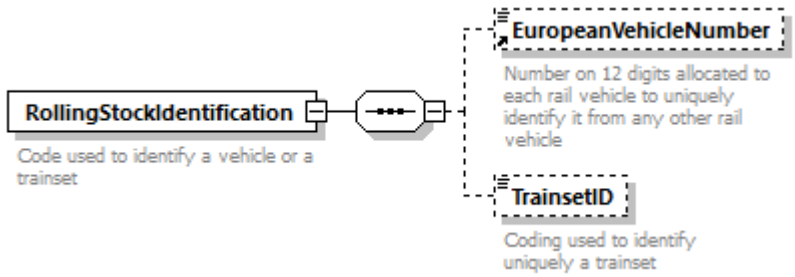


namespace: http://www.era.europa.eu/schemes/TAFTSI/3.5

properties	content complex
children	**MessageHeader** **WagonNumberFreight**
annotation	documentation Rolling Stock adminsitrative and Technical Dataset

source	`<xs:element name="RollingStockDatasetQueryMessage">`
	`  <xs:annotation>`
	`  <xs:documentation>Rolling Stock adminsitrative and Technical Dataset</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="MessageHeader"/>`
	`  <xs:element ref="WagonNumberFreight" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **RollingStockIdentification**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**EuropeanVehicleNumber** **TrainsetID**
annotation	documentation Code used to identify a vehicle or a trainset

source	`<xs:element name="RollingStockIdentification">`
	`  <xs:annotation>`
	`  <xs:documentation>Code used to identify a vehicle or a trainset</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="EuropeanVehicleNumber" minOccurs="0"/>`
	`  <xs:element name="TrainsetID" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Coding used to identify uniquely a trainset</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="12"/>`

```
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingStockIdentification/TrainsetID**

diagram	TrainsetID Coding used to identify uniquely a trainset
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 12
annotation	documentation Coding used to identify uniquely a trainset

source

```
<xs:element name="TrainsetID" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Coding used to identify uniquely a
trainset</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="12"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **RollingStockRestrictionMessage**

diagram

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **MessageStatus** **TransportOperationalIdentifiers** **OperationalTrainNumberIdentifier** **ReferenceOTN** **TransfereeIM** **TransferPoint** **LocationOfRestrictionDetection** **UnitIdentification** **PassengerUnitRestriction**
annotation	documentation Message used for passenger trains when the restrictions and defects are sent sent within the Passenger Train Composition Process message

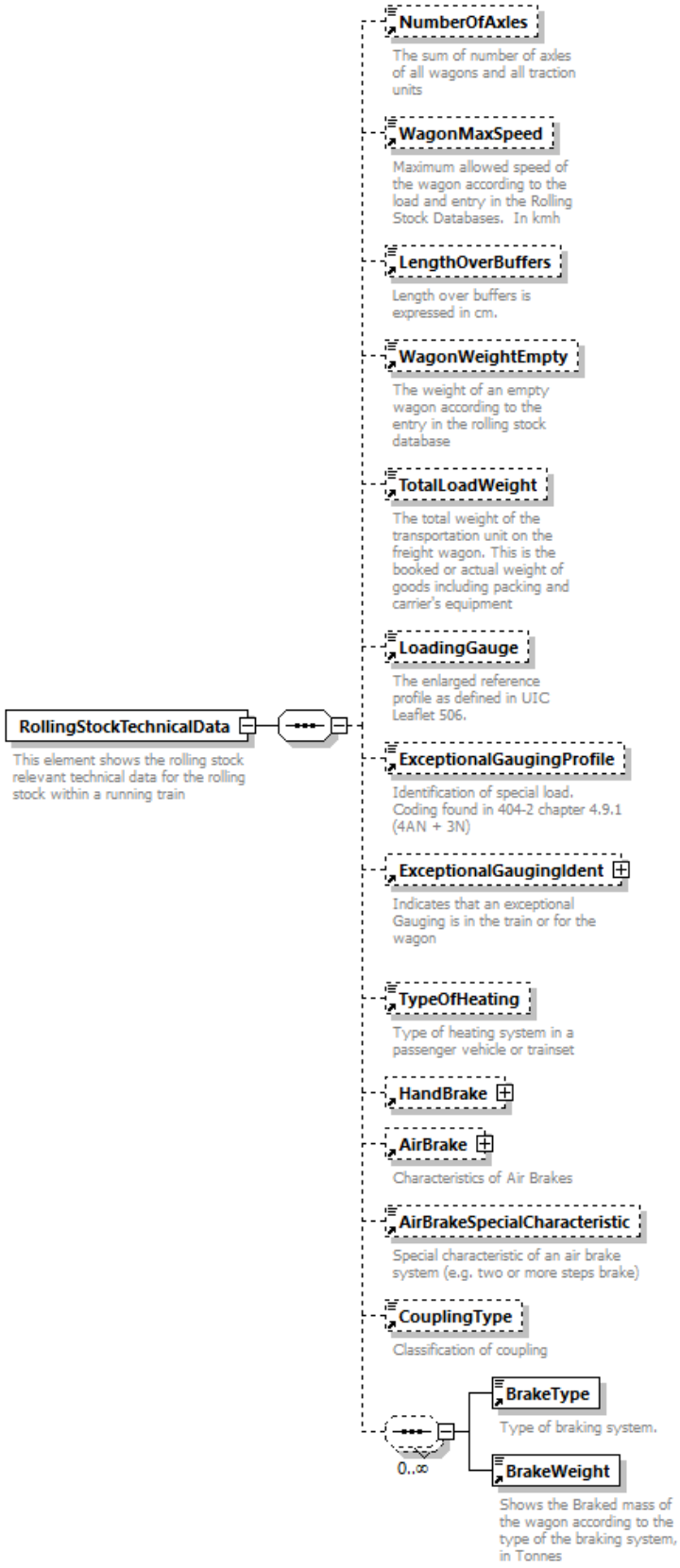
source

```
<xs:element name="RollingStockRestrictionMessage">
  <xs:annotation>
    <xs:documentation>Message used for passenger trains when the restrictions and
defects are sent sent within the Passenger Train Composition Process
message</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
```

```
      <xs:element ref="MessageStatus"/>
      <xs:element ref="TransportOperationalIdentifiers" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element ref="OperationalTrainNumberIdentifier"/>
      <xs:element ref="ReferenceOTN" minOccurs="0"/>
      <xs:element ref="TransfereeIM" minOccurs="0"/>
      <xs:element ref="TransferPoint" minOccurs="0"/>
      <xs:element ref="LocationOfRestrictionDetection" minOccurs="0"/>
      <xs:element ref="UnitIdentification"/>
      <xs:element ref="PassengerUnitRestriction"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingStockTechnicalData**

diagram

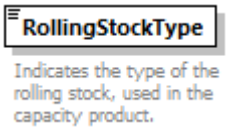


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**NumberOfAxles** **WagonMaxSpeed** **LengthOverBuffers** **WagonWeightEmpty** **TotalLoadWeight** **LoadingGauge** **ExceptionalGaugingProfile** **ExceptionalGaugingIdent** **TypeOfHeating** **HandBrake** **AirBrake** **AirBrakeSpecialCharacteristic** **CouplingType** **BrakeType** **BrakeWeight**
annotation	documentation This element shows the rolling stock relevant technical data for the rolling stock within a running train

source

```
<xs:element name="RollingStockTechnicalData">
  <xs:annotation>
    <xs:documentation>This element shows the rolling stock relevant technical data
for the rolling stock within a running train</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="NumberOfAxles" minOccurs="0"/>
      <xs:element ref="WagonMaxSpeed" minOccurs="0"/>
      <xs:element ref="LengthOverBuffers" minOccurs="0"/>
      <xs:element ref="WagonWeightEmpty" minOccurs="0"/>
      <xs:element ref="TotalLoadWeight" minOccurs="0"/>
      <xs:element ref="LoadingGauge" minOccurs="0"/>
      <xs:element ref="ExceptionalGaugingProfile" minOccurs="0"/>
      <xs:element ref="ExceptionalGaugingIdent" minOccurs="0"/>
      <xs:element ref="TypeOfHeating" minOccurs="0"/>
      <xs:element ref="HandBrake" minOccurs="0"/>
      <xs:element ref="AirBrake" minOccurs="0"/>
      <xs:element ref="AirBrakeSpecialCharacteristic" minOccurs="0"/>
      <xs:element ref="CouplingType" minOccurs="0"/>
      <xs:sequence minOccurs="0" maxOccurs="unbounded">
        <xs:element ref="BrakeType"/>
        <xs:element ref="BrakeWeight"/>
      </xs:sequence>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingStockType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **GeneralParameters**

facets

Kind	Value	Annotation
enumeration	0	documentation Composite
enumeration	1	documentation

	enumeration 2 EMU documentation DMU
annotation	documentation Indicates the type of the rolling stock, used in the capacity product.
source	<xs:element name="RollingStockType"> <xs:annotation> <xs:documentation>Indicates the type of the rolling stock, used in the capacity product.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="0"> <xs:annotation> <xs:documentation>Composite</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>EMU</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="2"> <xs:annotation> <xs:documentation>DMU</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element>

element **RouteClass**

diagram	**RouteClass** Indication of the route class (based on CEN EN 15528: line categories for managing the interface between load limits of vehicles on infrastructure). All the codes in this code list refer to CEN EN 15528: line categories for managing the interface between load limits of vehicles on infrastructure. CM2, CM3 and CM 4 equal M2, M3 and M4 which might be used in some legacy systems which only support two character codes.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	elements **PlannedTrainTechnicalData** **RollingStockDataset/DesignDataSet/LoadTable/RouteClassPayloads**

facets	Kind	Value	Annotation
	minLength	1	
	maxLength	3	
	enumeration	A	
	enumeration	B	
	enumeration	B1	
	enumeration	B2	
	enumeration	C	
	enumeration	C2	
	enumeration	C3	
	enumeration	C4	
	enumeration	CM	
	enumeration	CM2	
	enumeration	CM3	
	enumeration	CM4	
	enumeration	CE	
	enumeration	D	
	enumeration	D2	
	enumeration	D3	
	enumeration	D4	
	enumeration	D5	
	enumeration	E	
	enumeration	E4	
	enumeration	E5	
	enumeration	E6	
	enumeration	F	
	enumeration	G	

annotation

documentation

Indication of the route class (based on CEN EN 15528: line categories for managing the interface between load limits of vehicles on infrastructure). All the codes in this code list refer to CEN EN 15528: line categories for managing the interface between load limits of vehicles on infrastructure.
CM2, CM3 and CM 4 equal M2, M3 and M4 which might be used in some legacy systems which only support two character codes.

source

```
<xs:element name="RouteClass">
  <xs:annotation>
    <xs:documentation>Indication of the route class (based on CEN EN 15528: line
categories for managing the interface between load limits of vehicles on
infrastructure). All the codes in this code list refer to CEN EN 15528: line categories
for managing the interface between load limits of vehicles on infrastructure.
CM2, CM3 and CM 4 equal M2, M3 and M4 which might be used in some legacy systems which
only support two character codes.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="3"/>
      <xs:enumeration value="A"/>
      <xs:enumeration value="B"/>
      <xs:enumeration value="B1"/>
      <xs:enumeration value="B2"/>
```

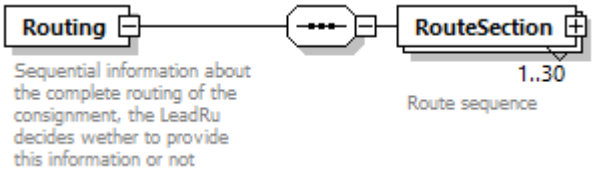
```
      <xs:enumeration value="C"/>
      <xs:enumeration value="C2"/>
      <xs:enumeration value="C3"/>
      <xs:enumeration value="C4"/>
      <xs:enumeration value="CM"/>
      <xs:enumeration value="CM2"/>
      <xs:enumeration value="CM3"/>
      <xs:enumeration value="CM4"/>
      <xs:enumeration value="CE"/>
      <xs:enumeration value="D"/>
      <xs:enumeration value="D2"/>
      <xs:enumeration value="D3"/>
      <xs:enumeration value="D4"/>
      <xs:enumeration value="D5"/>
      <xs:enumeration value="E"/>
      <xs:enumeration value="E4"/>
      <xs:enumeration value="E5"/>
      <xs:enumeration value="E6"/>
      <xs:enumeration value="F"/>
      <xs:enumeration value="G"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **RouteInformation**

diagram	**RouteInformation** The route of the journey for a wagon / shipment or Intermodal unit assigned by the LRU
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation The route of the journey for a wagon / shipment or Intermodal unit assigned by the LRU

source	`<xs:element name="RouteInformation" type="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>The route of the journey for a wagon / shipment or Intermodal unit assigned by the LRU</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **Routing**

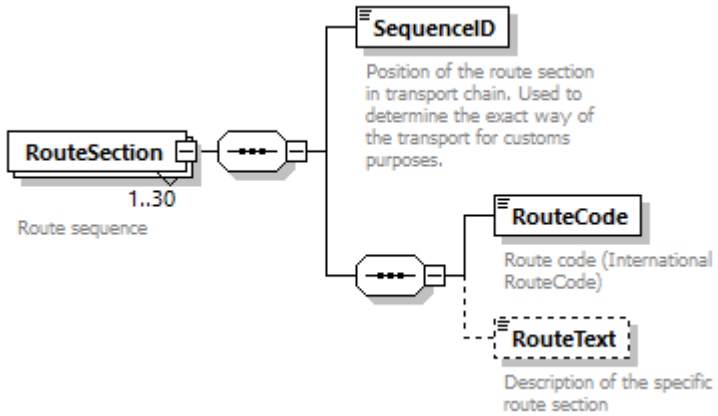
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**RouteSection**
used by	element **WagonStatusMessages/WagonStatusMessage**
annotation	documentation Sequential information about the complete routing of the consignment, the LeadRu decides wether to provide this information or not
source	

```
<xs:element name="Routing">
  <xs:annotation>
    <xs:documentation>Sequential information about the complete routing of the
consignment, the LeadRu  decides wether to provide this information or
not</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="RouteSection" maxOccurs="30">
        <xs:annotation>
          <xs:documentation>Route sequence</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="SequenceID" type="xs:int">
              <xs:annotation>
                <xs:documentation>Position of the route section in transport chain.
Used to determine the exact way of the transport for customs
purposes.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:sequence>
              <xs:element name="RouteCode">
                <xs:annotation>
                  <xs:documentation>Route code (International
RouteCode)</xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                  <xs:restriction base="xs:string">
                    <xs:length value="5"/>
                    <xs:pattern value="\d*[1-9]\d*0"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:element>
              <xs:element name="RouteText" minOccurs="0">
                <xs:annotation>
                  <xs:documentation>Description of the specific route
section</xs:documentation>
```

```
                  </xs:annotation>
                  <xs:simpleType>
                    <xs:restriction base="xs:string">
                      <xs:minLength value="1"/>
                      <xs:maxLength value="80"/>
                    </xs:restriction>
                  </xs:simpleType>
                </xs:element>
              </xs:sequence>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
```

element **Routing/RouteSection**

diagram



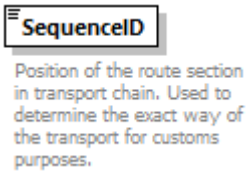
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 1 maxOcc 30 content complex
children	**SequenceID** **RouteCode** **RouteText**
annotation	documentation Route sequence

source

```
<xs:element name="RouteSection" maxOccurs="30">
  <xs:annotation>
    <xs:documentation>Route sequence</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="SequenceID" type="xs:int">
        <xs:annotation>
          <xs:documentation>Position of the route section in transport chain. Used
to determine the exact way of the transport for customs purposes.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:sequence>
```

```
        <xs:element name="RouteCode">
          <xs:annotation>
            <xs:documentation>Route code (International
RouteCode)</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:length value="5"/>
              <xs:pattern value="\d*[1-9]\d*0"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <xs:element name="RouteText" minOccurs="0">
          <xs:annotation>
            <xs:documentation>Description of the specific route
section</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:string">
              <xs:minLength value="1"/>
              <xs:maxLength value="80"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
      </xs:sequence>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **Routing/RouteSection/SequenceID**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:int**
properties	content simple
annotation	documentation Position of the route section in transport chain. Used to determine the exact way of the transport for customs purposes.

source	`<xs:element name="SequenceID" type="xs:int">`
	`  <xs:annotation>`
	`  <xs:documentation>Position of the route section in transport chain. Used to determine the exact way of the transport for customs purposes.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **Routing/RouteSection/RouteCode**

diagram	RouteCode Route code (International RouteCode)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation length 5 pattern \d*[1-9]\d*0
annotation	documentation Route code (International RouteCode)

source	`<xs:element name="RouteCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Route code (International RouteCode)</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:length value="5"/>`
	`  <xs:pattern value="\d*[1-9]\d*0"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **Routing/RouteSection/RouteText**

diagram	RouteText Description of the specific route section
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 80
annotation	documentation Description of the specific route section

source	`<xs:element name="RouteText" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Description of the specific route section</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="80"/>`

```
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **RP_Code**

diagram	RP_Code Routing point code of the production station of the acceptance or delivery point.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	elements **ConsignmentOrderMessage/COMS/COM/AcceptancePoint** **ConsignmentOrderMessage/COMS/COM/DeliveryPoint** **ProductionStation**
facets	Kind Value Annotation length 5
annotation	documentation Routing point code of the production station of the acceptance or delivery point.

source

```
<xs:element name="RP_Code">
  <xs:annotation>
    <xs:documentation>Routing point code of the production station of the acceptance
or delivery point. </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:length value="5"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **RU_DeclarationCode**

diagram	RU_DeclarationCode Carrier declaration code.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **ConsignmentOrderMessage/COMS/COM/RU_Declarations/RU_Declaration**
facets	Kind Value Annotation enumeration 1 documentation Without packing enumeration 2 documentation Unsatisfactory packaging: ...(give details) enumeration 3 documentation Insufficient packaging: ... (give details)

	enumeration	4.1	documentation Goods clearly in poor condition: ... (give details)
	enumeration	4.2	documentation Goods damaged:(give details)
	enumeration	4.3	documentation Goods wet: ... (give details)
	enumeration	4.4	documentation Goods frozen: ... (give details)
	enumeration	5	documentation Loaded by the consignor
	enumeration	6	documentation Loaded by the carrier in inclement weather at the request of the consignor
	enumeration	7	documentation Unloaded by the consignee
	enumeration	8	documentation Unloaded by the carrier in ...
	enumeration	9.1	documentation Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of inclement weather
	enumeration	9.2	documentation Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of sealing of the wagon or ITU
	enumeration	9.3	documentation Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of load in the wagon or ITU inaccessible
	enumeration	10	documentation Request for examination in accordance with CIM Article 11 section 3 presented late by the consignor
	enumeration	11	documentation Examination not made because of a shortage of resources: ... (give details)
	enumeration	12	documentation Other reserves: ... (give details)
	enumeration	13	documentation Code used for declarations, which are no reservations. This code is not included in the official CIT code list and is not to be printed on the paper consignment note.
annotation	documentation Carrier declaration code.		

source

```
<xs:element name="RU_DeclarationCode">
  <xs:annotation>
    <xs:documentation>Carrier declaration code. </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>Without packing</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>Unsatisfactory packaging: ...(give
details)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="3">
        <xs:annotation>
          <xs:documentation>Insufficient packaging: ... (give
details)</xs:documentation>
```

```
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="4.1">
        <xs:annotation>
          <xs:documentation>Goods clearly in poor condition: ... (give
details)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="4.2">
        <xs:annotation>
          <xs:documentation>Goods damaged:(give details)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="4.3">
        <xs:annotation>
          <xs:documentation>Goods wet: ... (give details)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="4.4">
        <xs:annotation>
          <xs:documentation>Goods frozen: ... (give details)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="5">
        <xs:annotation>
          <xs:documentation>Loaded by the consignor</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="6">
        <xs:annotation>
          <xs:documentation>Loaded by the carrier in inclement weather at the
request of the consignor </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="7">
        <xs:annotation>
          <xs:documentation>Unloaded by the consignee</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="8">
        <xs:annotation>
          <xs:documentation>Unloaded by the carrier in ...</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="9.1">
        <xs:annotation>
          <xs:documentation>Inclement weather, at the request of the consignee
Impossible to make the examination in accordance with CIM Article 11 section 3,
because of inclement weather </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="9.2">
        <xs:annotation>
          <xs:documentation>Inclement weather, at the request of the consignee
Impossible to make the examination in accordance with CIM Article 11 section 3,
```

```
because of sealing of the wagon or ITU </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="9.3">
        <xs:annotation>
          <xs:documentation>Inclement weather, at the request of the consignee
Impossible to make the examination in accordance with CIM Article 11 section 3,
because of load in the wagon or ITU inaccessible </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="10">
        <xs:annotation>
          <xs:documentation>Request for examination in accordance with CIM Article
11 section 3 presented late by the consignor</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="11">
        <xs:annotation>
          <xs:documentation>Examination not made because of a shortage of resources:
... (give details)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="12">
        <xs:annotation>
          <xs:documentation>Other reserves: ... (give details)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="13">
        <xs:annotation>
          <xs:documentation>Code used for declarations, which are no reservations.
This code is not included in the official CIT code list and is not to be printed on
the paper consignment note.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

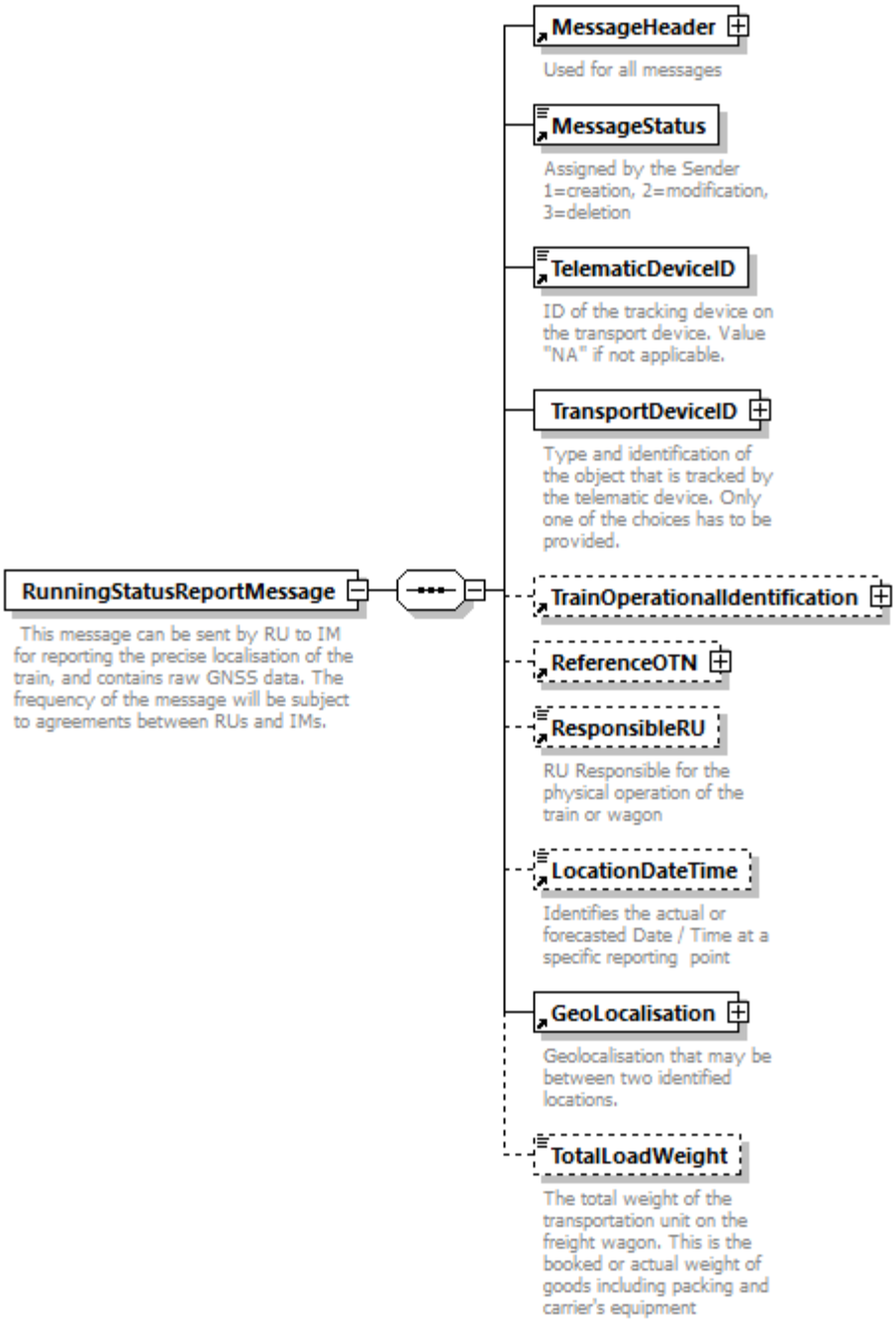
element **RU_Partner**

diagram	RU_Partner Railway Undertaking
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
used by	elements **ConsignmentOrderMessage/COMS/COM/CustomsProcedures** **SpecialTreatments**
facets	Kind Value Annotation minLength 4 maxLength 4

	pattern [0-9A-Z]{4}
annotation	documentation Railway Undertaking
source	<xs:element name="RU_Partner" type="CompanyCode"> <xs:annotation> <xs:documentation>Railway Undertaking</xs:documentation> </xs:annotation> </xs:element>

element **RunningStatusReportMessage**

diagram



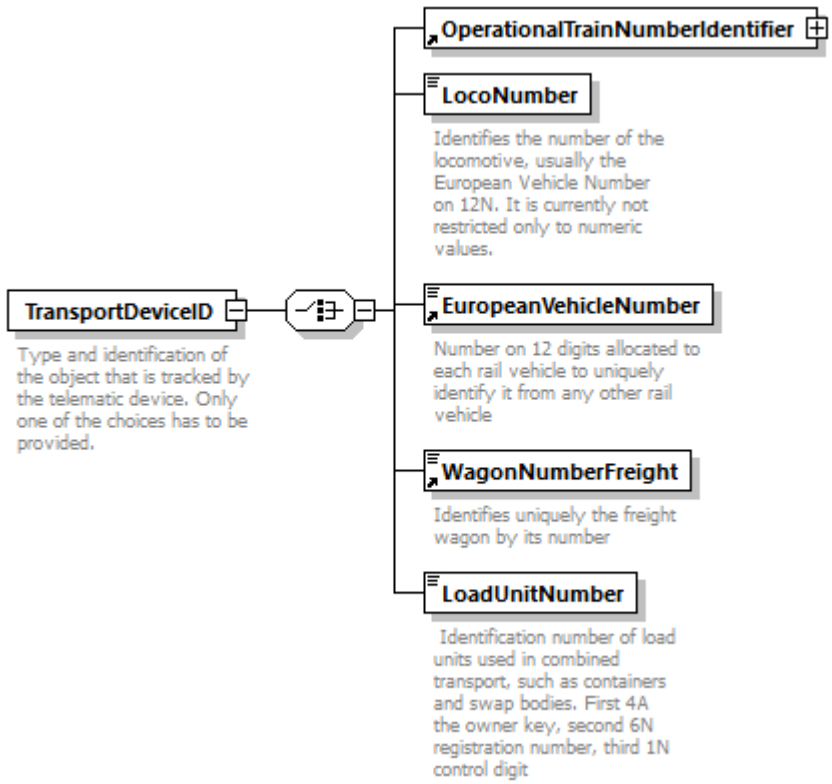
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **MessageStatus** **TelematicDeviceID** **TransportDeviceID** **TrainOperationalIdentification** **ReferenceOTN** **ResponsibleRU** **LocationDateTime** **GeoLocalisation** **TotalLoadWeight**
annotation	documentation This message can be sent by RU to IM for reporting the precise localisation of the train, and contains raw GNSS data. The frequency of the message will be subject to agreements between RUs and IMs.
source	`<xs:element name="RunningStatusReportMessage">`

```
  <xs:annotation>
    <xs:documentation> This message can be sent by RU to IM for reporting the precise localisation of the train, and contains raw GNSS data. The frequency of the message will be subject to agreements between RUs and IMs.  </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="MessageStatus"/>
      <xs:element ref="TelematicDeviceID">
        <xs:annotation>
          <xs:documentation>ID of the tracking device on the transport device. Value "NA" if not applicable.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="TransportDeviceID">
        <xs:annotation>
          <xs:documentation>Type and identification of the object that is tracked by the telematic device. Only one of the choices has to be provided.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:choice>
            <xs:element ref="OperationalTrainNumberIdentifier"/>
            <xs:element name="LocoNumber">
              <xs:annotation>
                <xs:documentation>Identifies the number of the locomotive, usually the European Vehicle Number on 12N. It is currently not restricted only to numeric values.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="EuropeanVehicleNumber"/>
            <xs:element ref="WagonNumberFreight" minOccurs="1">
              <xs:annotation>
                <xs:documentation>Identifies uniquely the freight wagon by its number</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="LoadUnitNumber" type="LoadUnitNumberType" minOccurs="1">
              <xs:annotation>
                <xs:documentation> Identification number of load units used in combined transport, such as containers and swap bodies. First 4A the owner key, second 6N registration number, third 1N control digit</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:choice>
        </xs:complexType>
      </xs:element>
      <xs:element ref="TrainOperationalIdentification" minOccurs="0"/>
      <xs:element ref="ReferenceOTN" minOccurs="0"/>
      <xs:element ref="ResponsibleRU" minOccurs="0"/>
      <xs:element ref="LocationDateTime" minOccurs="0"/>
      <xs:element ref="GeoLocalisation"/>
      <xs:element name="TotalLoadWeight" minOccurs="0">
```

```
        <xs:annotation>
          <xs:documentation>The total weight of the transportation unit on the
freight wagon. This is the booked or actual weight of goods including packing and
carrier's equipment</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RunningStatusReportMessage/TransportDeviceID**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**OperationalTrainNumberIdentifier** **LocoNumber** **EuropeanVehicleNumber** **WagonNumberFreight** **LoadUnitNumber**
annotation	documentation Type and identification of the object that is tracked by the telematic device. Only one of the choices has to be provided.

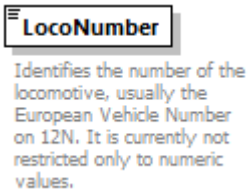
source

```
<xs:element name="TransportDeviceID">
  <xs:annotation>
    <xs:documentation>Type and identification of the object that is tracked by the
telematic device. Only one of the choices has to be provided.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:choice>
      <xs:element ref="OperationalTrainNumberIdentifier"/>
      <xs:element name="LocoNumber">
```

```
        <xs:annotation>
          <xs:documentation>Identifies the number of the locomotive, usually the
European Vehicle Number on 12N. It is currently not restricted only to numeric
values.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="EuropeanVehicleNumber"/>
      <xs:element ref="WagonNumberFreight" minOccurs="1">
        <xs:annotation>
          <xs:documentation>Identifies uniquely the freight wagon by its
number</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="LoadUnitNumber" type="LoadUnitNumberType" minOccurs="1">
        <xs:annotation>
          <xs:documentation> Identification number of load units used in combined
transport, such as containers and swap bodies. First 4A the owner key, second 6N
registration number, third 1N control digit</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:choice>
  </xs:complexType>
</xs:element>
```

element **RunningStatusReportMessage/TransportDeviceID/LocoNumber**

diagram



namespace: http://www.era.europa.eu/schemes/TAFTSI/3.5

used by: element **TrainCompositionJourneySection/LocoIdent**

annotation: documentation
Identifies the number of the locomotive, usually the European Vehicle Number on 12N. It is currently not restricted only to numeric values.

source

```
<xs:element name="LocoNumber">
  <xs:annotation>
    <xs:documentation>Identifies the number of the locomotive, usually the European
Vehicle Number on 12N. It is currently not restricted only to numeric
values.</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **RunningStatusReportMessage/TransportDeviceID/LoadUnitNumber**

diagram	**LoadUnitNumber** Identification number of load units used in combined transport, such as containers and swap bodies. First 4A the owner key, second 6N registration number, third 1N control digit
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LoadUnitNumberType**
properties	content simple
facets	Kind / Value / Annotation whiteSpace replace pattern [A-Za-z0-9]{11}
annotation	documentation Identification number of load units used in combined transport, such as containers and swap bodies. First 4A the owner key, second 6N registration number, third 1N control digit

source	`<xs:element name="LoadUnitNumber" type="LoadUnitNumberType" minOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation> Identification number of load units used in combined transport, such as containers and swap bodies. First 4A the owner key, second 6N registration number, third 1N control digit</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RunningStatusReportMessage/TotalLoadWeight**

diagram	**TotalLoadWeight** The total weight of the transportation unit on the freight wagon. This is the booked or actual weight of goods including packing and carrier's equipment
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1
used by	elements **WagonPerformanceMessage/PerformanceData** **RollingStockTechnicalData** **UnitTechnicalData** **WagonOperationalData**
annotation	documentation The total weight of the transportation unit on the freight wagon. This is the booked or actual weight of goods including packing and carrier's equipment

source	`<xs:element name="TotalLoadWeight" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>The total weight of the transportation unit on the freight wagon. This is the booked or actual weight of goods including packing and carrier's equipment</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ScheduledDateTimeAtTransfer**

diagram	**ScheduledDateTimeAtTransfer** The referenced date and time of arrival or exit at the border between two different IMs
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	elements **OperationalTrainNumberIdentifier** **WagonStatusMessages/WagonStatusMessage/Train/OperationalTrainNumberIdentifier** **PathSectionNotificationMessage**
annotation	documentation The referenced date and time of arrival or exit at the border between two different IMs

source	`<xs:element name="ScheduledDateTimeAtTransfer" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>The referenced date and time of arrival or exit at the border between two different IMs</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ScheduledTimeAtHandover**

diagram	**ScheduledTimeAtHandover** The referenced date and time of departure or entrance at the border between two different IMs
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	elements **OperationalTrainNumberIdentifier** **WagonStatusMessages/WagonStatusMessage/Train/OperationalTrainNumberIdentifier**
annotation	documentation The referenced date and time of departure or entrance at the border between two different IMs

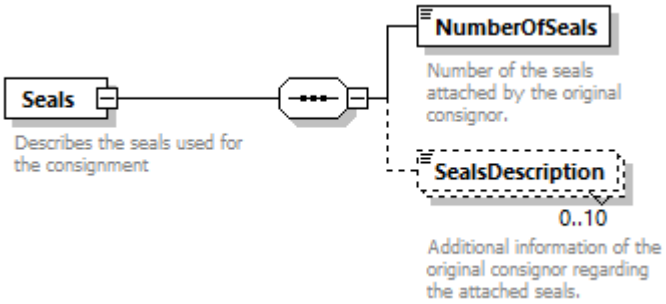
source	`<xs:element name="ScheduledTimeAtHandover" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>The referenced date and time of departure or entrance at the border between two different IMs</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ScheduledTimeAtLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	element **ExceptionPoint**
annotation	documentation Scheduled Date and Time at a location related to the status of the train or wagon at the given location

source	`<xs:element name="ScheduledTimeAtLocation" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Scheduled Date and Time at a location related to the status of the train or wagon at the given location</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

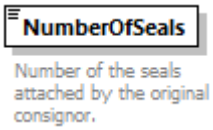
element **Seals**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**NumberOfSeals** **SealsDescription**
used by	elements **ILU_Details** **ITU_Details** **Wagons/WagonDetails**
annotation	documentation Describes the seals used for the consignment

source	`<xs:element name="Seals">`
	`  <xs:annotation>`
	`  <xs:documentation>Describes the seals used for the consignment</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="NumberOfSeals">`
	`  <xs:annotation>`
	`  <xs:documentation>Number of the seals attached by the original consignor.</xs:documentation>`

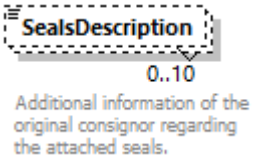
```
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:int">
            <xs:minInclusive value="0"/>
            <xs:totalDigits value="2"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="SealsDescription" minOccurs="0" maxOccurs="10">
        <xs:annotation>
          <xs:documentation>Additional information of the original consignor
regarding the attached seals.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="10"/>
            <xs:minLength value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **Seals/NumberOfSeals**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	content simple
facets	Kind Value Annotation minInclusive 0 totalDigits 2
annotation	documentation Number of the seals attached by the original consignor.

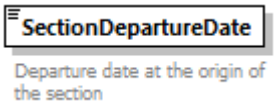
source	`<xs:element name="NumberOfSeals">`
	`  <xs:annotation>`
	`  <xs:documentation>Number of the seals attached by the original consignor.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:int">`
	`  <xs:minInclusive value="0"/>`
	`  <xs:totalDigits value="2"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **Seals/SealsDescription**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 10 content simple
facets	Kind Value Annotation minLength 1 maxLength 10
annotation	documentation Additional information of the original consignor regarding the attached seals.

source	`<xs:element name="SealsDescription" minOccurs="0" maxOccurs="10">`
	`  <xs:annotation>`
	`  <xs:documentation>Additional information of the original consignor regarding the attached seals.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="10"/>`
	`  <xs:minLength value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **SectionDepartureDate**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**
properties	content simple
used by	element **PassengerJourneySectionOrigin**
annotation	documentation Departure date at the origin of the section

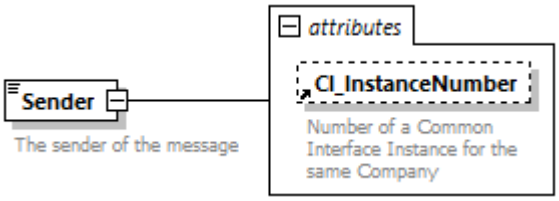
source	`<xs:element name="SectionDepartureDate" type="xs:date">`
	`  <xs:annotation>`
	`  <xs:documentation>Departure date at the origin of the section</xs:documentation>`
	`  </xs:annotation>`

```
</xs:element>
```

element **SectionDepartureTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:time**
properties	content simple
used by	element **PassengerJourneySectionOrigin**
source	`<xs:element name="SectionDepartureTime" type="xs:time"/>`

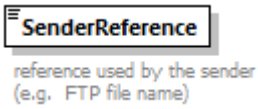
element **Sender**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **CompanyCode**
properties	content complex
used by	element **MessageHeader**
facets	Kind / Value / Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
attributes	Name / Type / Use / Default / Fixed / Annotation CI_InstanceNumber / **Numeric2-2** / / / / documentation: Number of a Common Interface Instance for the same Company
annotation	documentation The sender of the message

source	`<xs:element name="Sender">`
	`  <xs:annotation>`
	`  <xs:documentation>The sender of the message</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:simpleContent>`
	`  <xs:extension base="CompanyCode">`

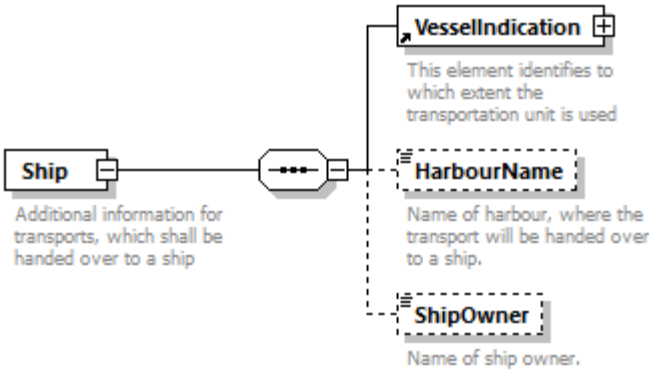
```
        <xs:attribute ref="CI_InstanceNumber"/>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
```

element **SenderReference**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
used by	element **MessageHeader**
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation reference used by the sender (e.g. FTP file name)

source	`<xs:element name="SenderReference" type="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>reference used by the sender (e.g. FTP file name)</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **Ship**

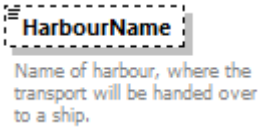
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**VesselIndication** **HarbourName** **ShipOwner**
used by	elements **ILU_Details** **ITU_Details** **Wagons/WagonDetails**

annotation	documentation Additional information for transports, which shall be handed over to a ship

source

```xml
<xs:element name="Ship">
  <xs:annotation>
    <xs:documentation>Additional information for transports, which shall be handed over to a ship</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="VesselIndication"/>
      <xs:element name="HarbourName" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Name of harbour, where the transport will be handed over to a ship.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="35"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ShipOwner" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Name of ship owner.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="35"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

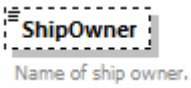
element **Ship/HarbourName**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35

annotation	documentation Name of harbour, where the transport will be handed over to a ship.

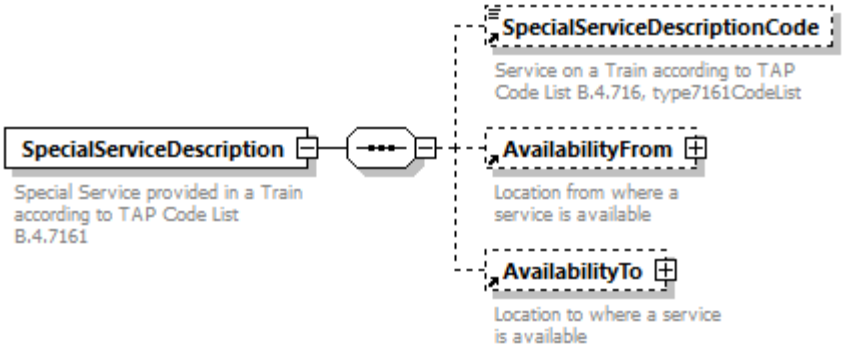
source	`<xs:element name="HarbourName" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Name of harbour, where the transport will be handed over to a ship.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="35"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **Ship/ShipOwner**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Name of ship owner.

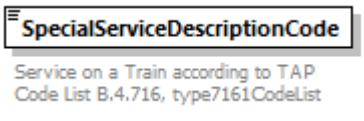
source	`<xs:element name="ShipOwner" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Name of ship owner.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="35"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **SpecialServiceDescription**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**SpecialServiceDescriptionCode** **AvailabilityFrom** **AvailabilityTo**
used by	element **UnitData**
annotation	documentation Special Service provided in a Train according to TAP Code List B.4.7161

source	`<xs:element name="SpecialServiceDescription">`
	`  <xs:annotation>`
	`  <xs:documentation>Special Service provided in a Train according to TAP Code List B.4.7161</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="SpecialServiceDescriptionCode" minOccurs="0"/>`
	`  <xs:element ref="AvailabilityFrom" minOccurs="0"/>`
	`  <xs:element ref="AvailabilityTo" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **SpecialServiceDescriptionCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	elements **SpecialServiceDescription** **TypeofService**
facets	Kind / Value / Annotation maxLength / 3 enumeration / 00 / documentation Alternative service documentation

			The journey planner algorithm should look for an alternative Service documentation 1
	enumeration	3	documentation Additional loading documentation Additional loading of vehicles on a train of accompanied motorcars documentation 0
	enumeration	4	documentation Additional unloading documentation Additional unloading of vehicles from a train of accompanied motorcars documentation 0
	enumeration	5	documentation Breakfast documentation Breakfast documentation 0
	enumeration	6	documentation Dinner documentation Dinner documentation 0
	enumeration	7	documentation Loading documentation Loading of vehicles on a train of accompanied motorcars documentation 0
	enumeration	8	documentation Lunch documentation Lunch documentation 0
	enumeration	9	documentation Unloading documentation Unloading of vehicles from a train of accompanied motorcars documentation 0
	enumeration	11	documentation Child documentation Services for children documentation 0
	enumeration	21	documentation Cold buffet documentation Cold buffet service documentation 0
	enumeration	22	documentation Restaurant in 1st class only documentation

			Restaurant service in 1st class only documentation 0
	enumeration	23	documentation Hot buffet documentation Hot buffet service documentation 0
	enumeration	24	documentation Meal included for 1st class passengers documentation Meal service included for 1st class passengers documentation 0
	enumeration	25	documentation Trolley documentation Trolley service (beverage and food cart) documentation 0
	enumeration	26	documentation Snack documentation Snack documentation 0
	enumeration	27	documentation Disabled documentation Services for disabled persons documentation 0
	enumeration	28	documentation Movies documentation Movies documentation 0
	enumeration	29	documentation Business documentation Services for business people documentation 0
	enumeration	30	documentation Nursery documentation Nursery service documentation 0
	enumeration	31	documentation Buffet documentation Buffet documentation 0
	enumeration	32	documentation Special services for military documentation

			Special services for army families documentation 0
	enumeration	33	documentation Boarding possible 2 hours before departure documentation Boarding is possible 2 hours before departure documentation 0
	enumeration	34	documentation Alighting possible until 2 hours after arrival documentation Alighting is possible up to 2 hours after arrival documentation 0
	enumeration	35	documentation Boarding possible 30 minutes before departure documentation Boarding is possible 30 minutes before departure documentation 0
	enumeration	36	documentation Alighting possible until 30 minutes after arrival documentation Alighting is possible up to 30 minutes after arrival documentation 0
	enumeration	37	documentation Postal services documentation Postal services available documentation 0
	enumeration	38	documentation Meal at the seat documentation Meal is provided at the seat documentation 0
	enumeration	39	documentation Self service documentation Self service meals documentation 0
	enumeration	40	documentation Overnight stay documentation Overnight stay possible on board documentation 0
	enumeration	41	documentation Luggage transport documentation Luggage transport offered documentation 0
	enumeration	42	documentation Luggage transport excluded documentation

			Luggage transport is not offered documentation 0
	enumeration	43	documentation Music documentation Music documentation 0
	enumeration	44	documentation Check-in documentation Time at which the traveller checks in documentation 0
	enumeration	45	documentation Check-out documentation Time at which the traveller checks out documentation 0
	enumeration	46	documentation Free WiFi on board documentation Free WiFi service on board available documentation 0
	enumeration	47	documentation WiFi on board documentation WiFi service on board available documentation 0
	enumeration	48	documentation Warning! Service may be affected by strike action documentation Warning! Service may be affected by strike action documentation 0
annotation	documentation Service on a Train according to TAP Code List B.4.716, type7161CodeList		

source

```
<xs:element name="SpecialServiceDescriptionCode">
  <xs:annotation>
    <xs:documentation>Service on a Train according to TAP Code List B.4.716,
type7161CodeList</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:annotation>
      <xs:documentation xml:lang="en">Code list for the special services
(B.4.7161)</xs:documentation>
      <xs:appinfo>
        <dc:title>Code list for the special services</dc:title>
        <dc:source>B.4.7161</dc:source>
      </xs:appinfo>
    </xs:annotation>
    <xs:restriction base="xs:string">
      <xs:maxLength value="3"/>
      <xs:enumeration value="00">
```

```
        <xs:annotation>
          <xs:documentation xml:lang="en">Alternative service</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">The journey
planner algorithm should look for an alternative Service</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">1</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="3">
        <xs:annotation>
          <xs:documentation xml:lang="en">Additional loading</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Additional
loading of vehicles on a train of accompanied motorcars</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="4">
        <xs:annotation>
          <xs:documentation xml:lang="en">Additional unloading</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Additional
unloading of vehicles from a train of accompanied motorcars</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="5">
        <xs:annotation>
          <xs:documentation xml:lang="en">Breakfast</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Description">Breakfast</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="6">
        <xs:annotation>
          <xs:documentation xml:lang="en">Dinner</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Description">Dinner</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="7">
        <xs:annotation>
          <xs:documentation xml:lang="en">Loading</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Loading of
vehicles on a train of accompanied motorcars</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
```

```
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="8">
        <xs:annotation>
          <xs:documentation xml:lang="en">Lunch</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Description">Lunch</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="9">
        <xs:annotation>
          <xs:documentation xml:lang="en">Unloading</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Unloading of
vehicles from a train of accompanied motorcars</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="11">
        <xs:annotation>
          <xs:documentation xml:lang="en">Child</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Services for
children</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="21">
        <xs:annotation>
          <xs:documentation xml:lang="en">Cold buffet</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Cold buffet
service</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="22">
        <xs:annotation>
          <xs:documentation xml:lang="en">Restaurant in 1st class
only</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Restaurant
service in 1st class only</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
```

```
      <xs:enumeration value="23">
        <xs:annotation>
          <xs:documentation xml:lang="en">Hot buffet</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Hot buffet
service</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="24">
        <xs:annotation>
          <xs:documentation xml:lang="en">Meal included for 1st class
passengers</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Meal service
included for 1st class passengers</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="25">
        <xs:annotation>
          <xs:documentation xml:lang="en">Trolley</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Trolley
service (beverage and food cart)</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="26">
        <xs:annotation>
          <xs:documentation xml:lang="en">Snack</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Description">Snack</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="27">
        <xs:annotation>
          <xs:documentation xml:lang="en">Disabled</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Services for
disabled persons</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="28">
        <xs:annotation>
          <xs:documentation xml:lang="en">Movies</xs:documentation>
          <xs:documentation xml:lang="en"
```

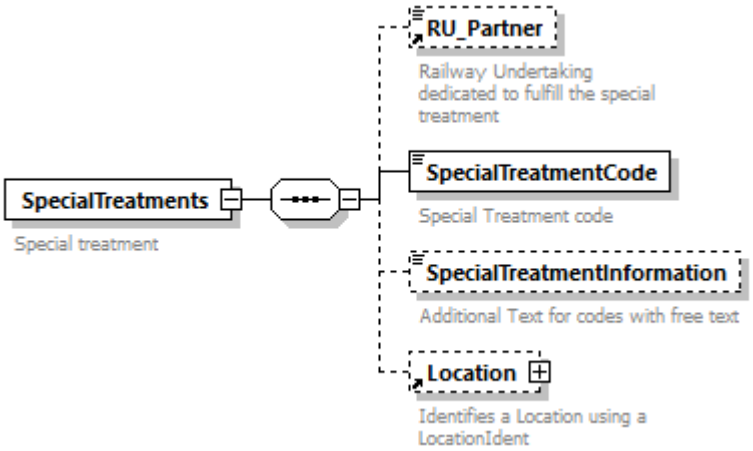
```
doc:docType="Description">Movies</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="29">
        <xs:annotation>
          <xs:documentation xml:lang="en">Business</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Services for
business people</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="30">
        <xs:annotation>
          <xs:documentation xml:lang="en">Nursery</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Nursery
service</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="31">
        <xs:annotation>
          <xs:documentation xml:lang="en">Buffet</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Description">Buffet</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="32">
        <xs:annotation>
          <xs:documentation xml:lang="en">Special services for
military</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Special
services for army families</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="33">
        <xs:annotation>
          <xs:documentation xml:lang="en">Boarding possible 2 hours before
departure</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Boarding is
possible 2 hours before departure</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
```

```
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="34">
        <xs:annotation>
          <xs:documentation xml:lang="en">Alighting possible until 2 hours after
arrival</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Alighting is
possible up to 2 hours after arrival</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="35">
        <xs:annotation>
          <xs:documentation xml:lang="en">Boarding possible 30 minutes before
departure</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Boarding is
possible 30 minutes before departure</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="36">
        <xs:annotation>
          <xs:documentation xml:lang="en">Alighting possible until 30 minutes after
arrival</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Alighting is
possible up to 30 minutes after arrival</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="37">
        <xs:annotation>
          <xs:documentation xml:lang="en">Postal services</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Postal
services available</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="38">
        <xs:annotation>
          <xs:documentation xml:lang="en">Meal at the seat</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Meal is
provided at the seat</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
```

```
      </xs:enumeration>
      <xs:enumeration value="39">
        <xs:annotation>
          <xs:documentation xml:lang="en">Self service</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Self service
meals</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="40">
        <xs:annotation>
          <xs:documentation xml:lang="en">Overnight stay</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Overnight
stay possible on board</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="41">
        <xs:annotation>
          <xs:documentation xml:lang="en">Luggage transport</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Luggage
transport offered</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="42">
        <xs:annotation>
          <xs:documentation xml:lang="en">Luggage transport
excluded</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Luggage
transport is not offered</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="43">
        <xs:annotation>
          <xs:documentation xml:lang="en">Music</xs:documentation>
          <xs:documentation xml:lang="en"
doc:docType="Description">Music</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="44">
        <xs:annotation>
          <xs:documentation xml:lang="en">Check-in</xs:documentation>
```

```
          <xs:documentation xml:lang="en" doc:docType="Description">Time at which
the traveller checks in</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="45">
        <xs:annotation>
          <xs:documentation xml:lang="en">Check-out</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Time at which
the traveller checks out</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="46">
        <xs:annotation>
          <xs:documentation xml:lang="en">Free WiFi on board</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Free WiFi
service on board available</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="47">
        <xs:annotation>
          <xs:documentation xml:lang="en">WiFi on board</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">WiFi service
on board available</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="48">
        <xs:annotation>
          <xs:documentation xml:lang="en">Warning! Service may be affected by
strike action</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Description">Warning!
Service may be affected by strike action</xs:documentation>
          <xs:documentation xml:lang="en" doc:docType="Remark"/>
          <xs:documentation xml:lang="en"
doc:docType="Status">0</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **SpecialTreatments**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**RU_Partner** **SpecialTreatmentCode** **SpecialTreatmentInformation** **Location**
used by	element **ConsignmentOrderMessage/COMS/COM**
annotation	documentation Special treatment

source

```
<xs:element name="SpecialTreatments">
  <xs:annotation>
    <xs:documentation>Special treatment</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="RU_Partner" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Railway Undertaking dedicated to fulfill the special
treatment</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="SpecialTreatmentCode">
        <xs:annotation>
          <xs:documentation>Special Treatment code</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:length value="2"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="SpecialTreatmentInformation" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Additional Text for codes with free
text</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
```

```
            <xs:maxLength value="40"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="Location" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **SpecialTreatments/SpecialTreatmentCode**

diagram	SpecialTreatmentCode Special Treatment code
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation length 2
annotation	documentation Special Treatment code

source

```
<xs:element name="SpecialTreatmentCode">
  <xs:annotation>
    <xs:documentation>Special Treatment code</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:length value="2"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **SpecialTreatments/SpecialTreatmentInformation**

diagram	SpecialTreatmentInformation Additional Text for codes with free text
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 40
annotation	documentation Additional Text for codes with free text

source

```
<xs:element name="SpecialTreatmentInformation" minOccurs="0">
```

```
  <xs:annotation>
    <xs:documentation>Additional Text for codes with free text</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="40"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **SRID**

diagram	SRID ID of coordinates system used (EPSG code)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	element **GeographicCoordinates**
facets	Kind Value Annotation pattern [0-9]{4}
annotation	documentation ID of coordinates system used (EPSG code)

source

```
<xs:element name="SRID">
  <xs:annotation>
    <xs:documentation>ID of coordinates system used (EPSG code)</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:pattern value="[0-9]{4}"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **StartDate**

diagram	StartDate The start of the date/time in effect
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**
properties	content simple
used by	complexTypes **CompositIdentifierOperationalType** **CompositIdentifierPlannedType**

annotation	documentation The start of the date/time in effect

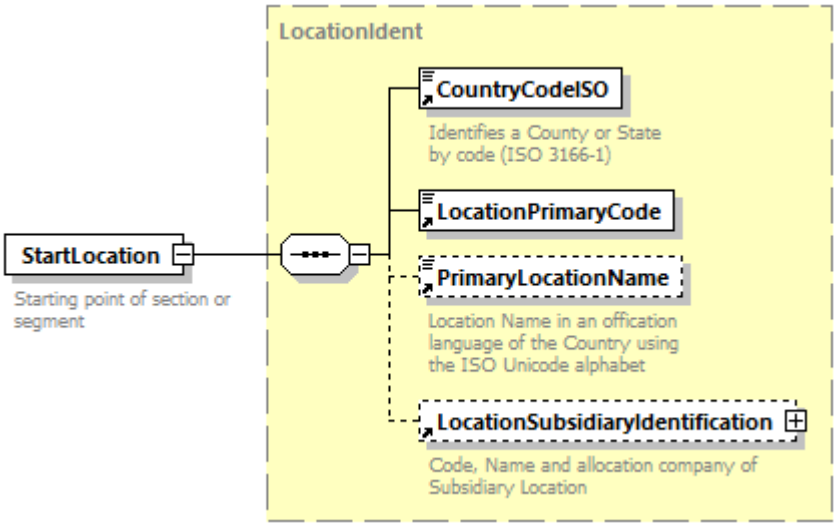
source	`<xs:element name="StartDate" type="xs:date">`
	`  <xs:annotation>`
	`  <xs:documentation>The start of the date/time in effect</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **StartDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	elements **RequestedPeriod** **RequestedTimeframe** **ValidityPeriod**
annotation	documentation The start of the date/time in effect

source	`<xs:element name="StartDateTime" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>The start of the date/time in effect</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

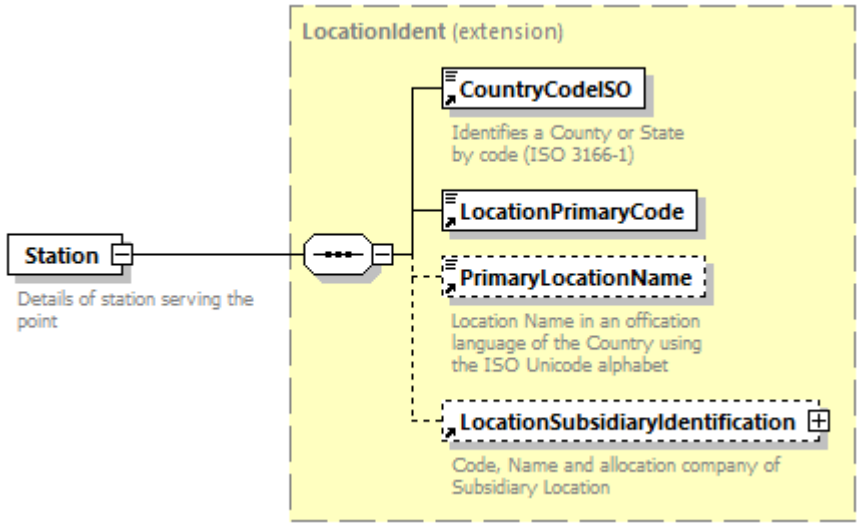
element **StartLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**

properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	elements **PartJourney** **WagonPerformanceMessage/PerformanceData** complexTypes **SectionType** **TCRType**
annotation	documentation Starting point of section or segment

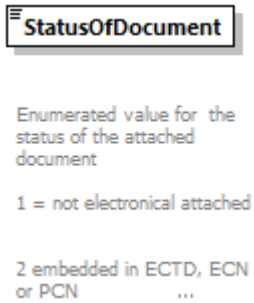
source	`<xs:element name="StartLocation" type="LocationIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>Starting point of section or segment</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **Station**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	elements **ConsignmentOrderMessage/COMS/COM/AcceptancePoint** **ConsignmentOrderMessage/COMS/COM/DeliveryPoint**
annotation	documentation Details of station serving the point

source	`<xs:element name="Station">`
	`  <xs:annotation>`
	`  <xs:documentation>Details of station serving the point</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:complexContent>`
	`  <xs:extension base="LocationIdent"/>`
	`  </xs:complexContent>`
	`  </xs:complexType>`
	`</xs:element>`

element **StatusOfDocument**

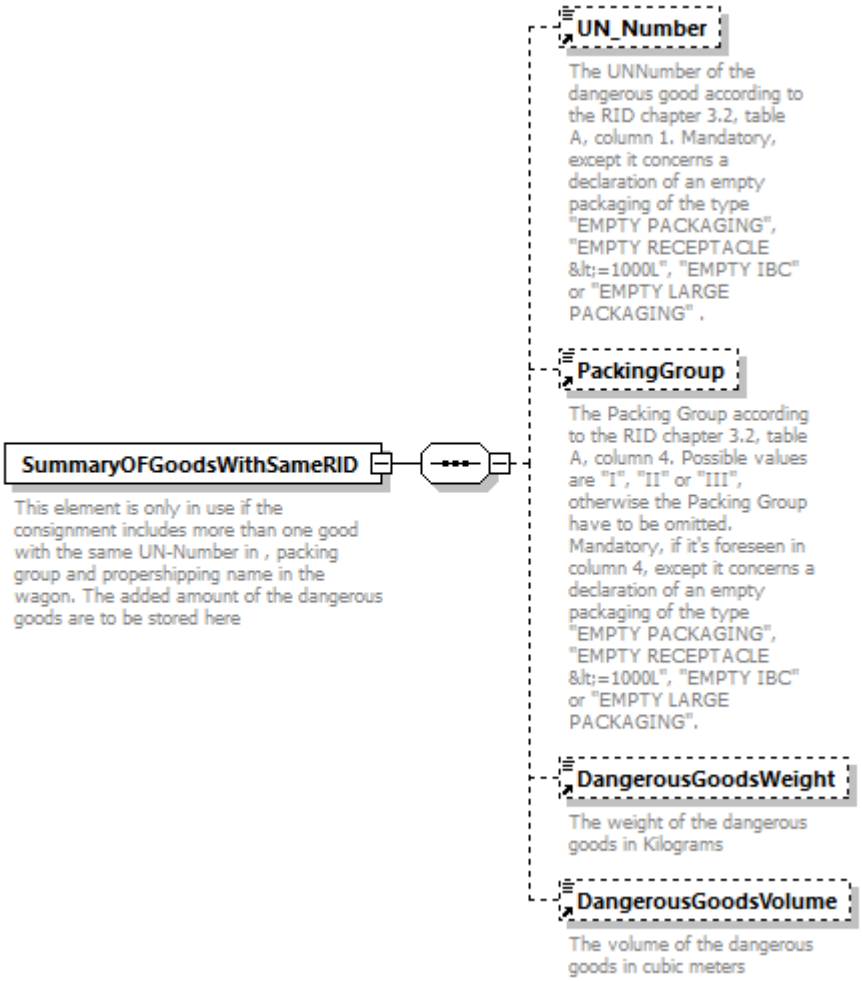
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **ConsignmentOrderMessage/COMS/COM/AttachedDocuments**
facets	Kind Value Annotation enumeration 2 enumeration 1
annotation	documentation Enumerated value for the status of the attached document 1 = not electronical attached 2 embedded in ECTD, ECN or PCN

source

```
<xs:element name="StatusOfDocument">
  <xs:annotation>
    <xs:documentation>
                    Enumerated value for  the status of the attached document
                    1 = not electronical attached
                    2 embedded in ECTD, ECN or PCN
                    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="2"/>
      <xs:enumeration value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **SummaryOFGoodsWithSameRID**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**UN_Number** **PackingGroup** **DangerousGoodsWeight** **DangerousGoodsVolume**
used by	elements **ILU** **ITU** **RollingRoadUnit** **Wagons**
annotation	documentation This element is only in use if the consignment includes more than one good with the same UN-Number in , packing group and propershipping name in the wagon. The added amount of the dangerous goods are to be stored here

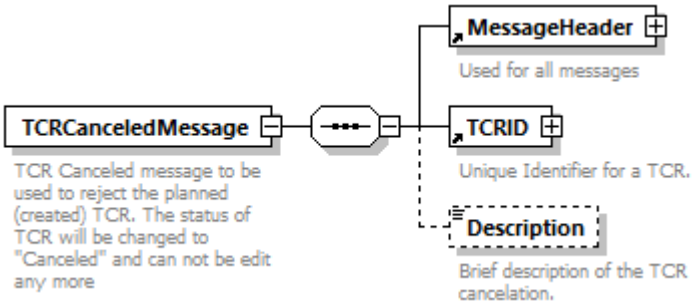
source

```
<xs:element name="SummaryOFGoodsWithSameRID">
  <xs:annotation>
    <xs:documentation>This element is only in use if the consignment includes more
than one good with the same UN-Number in , packing group and propershipping name in
the wagon. The added amount of the dangerous goods are to be stored
here</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="UN_Number" minOccurs="0"/>
      <xs:element ref="PackingGroup" minOccurs="0"/>
      <xs:element ref="DangerousGoodsWeight" minOccurs="0">
```

```
        <xs:annotation>
          <xs:documentation>The weight of the dangerous goods in
Kilograms</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="DangerousGoodsVolume" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TCRCanceledMessage**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **TCRID** **Description**
annotation	documentation TCR Canceled message to be used to reject the planned (created) TCR. The status of TCR will be changed to "Canceled" and can not be edit any more

source

```
<xs:element name="TCRCanceledMessage">
  <xs:annotation>
    <xs:documentation>TCR Canceled message to be used to reject the planned (created)
TCR. The status of TCR will be changed to "Canceled" and can not be edit any
more</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="TCRID"/>
      <xs:element name="Description" type="xs:string" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Brief description of the TCR
cancelation.</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TCRCanceledMessage/Description**

diagram	**Description** Brief description of the TCR cancelation.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Brief description of the TCR cancelation.

source	`<xs:element name="Description" type="xs:string" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Brief description of the TCR cancelation.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TCRClassification**

diagram	**TCRClassification** Classifies the impact of the TCR 10 Minor 20 Medium 30 High 40 Major 50 Unclassified ...
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **TCRSearchCriteria/TCRClassificationSearch** complexType **OperationalConsequencesType**
facets	Kind Value Annotation enumeration 10 enumeration 20 enumeration 30 enumeration 40 enumeration 50
annotation	documentation Classifies the impact of the TCR 10 Minor 20 Medium 30 High 40 Major 50 Unclassified
source	`<xs:element name="TCRClassification">` `  <xs:annotation>`

```
    <xs:documentation>Classifies the impact of the TCR
10     Minor
20     Medium
30     High
40     Major
50     Unclassified
                    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="10"/>
      <xs:enumeration value="20"/>
      <xs:enumeration value="30"/>
      <xs:enumeration value="40"/>
      <xs:enumeration value="50"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TCRDirection**

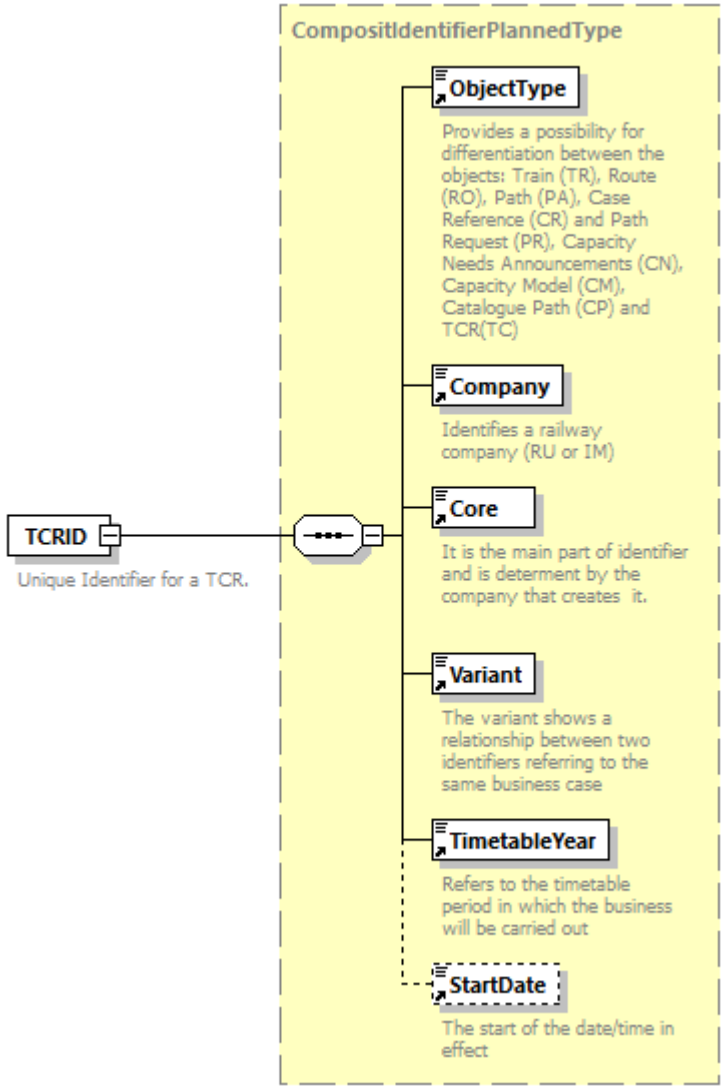
diagram	**TCRDirection** Defines, which direction of the section is affected by the TCR (bi-directional, direction towards starting point of the location, direction towards end point of the location). 10 Both direction 20 end to start 30 start to end
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	complexType **TCRType**
facets	Kind Value Annotation enumeration 10 enumeration 20 enumeration 30
annotation	documentation Defines, which direction of the section is affected by the TCR (bi-directional, direction towards starting point of the location, direction towards end point of the location). 10 Both direction 20 end to start 30 start to end

source	`<xs:element name="TCRDirection">`
	`  <xs:annotation>`
	`  <xs:documentation>Defines, which direction of the section is affected by the TCR`

```
(bi-directional, direction towards starting point of the location, direction towards
end point of the location).
                          10   Both direction
                          20   end to start
                          30   start to end
                    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="10"/>
      <xs:enumeration value="20"/>
      <xs:enumeration value="30"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TCRID**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompositIdentifierPlannedType**
properties	content complex
children	**ObjectType** **Company** **Core** **Variant** **TimetableYear** **StartDate**
used by	elements **TCRCanceledMessage** **TCRSearchCriteria/TCRIDSearch** complexType **ImportResultType**
annotation	documentation Unique Identifier for a TCR.

source	`<xs:element name="TCRID" type="CompositIdentifierPlannedType">`
	`  <xs:annotation>`
	`  <xs:documentation>Unique Identifier for a TCR.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TCRImportJobStatus**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
facets	Kind Value Annotation enumeration NEW enumeration PROCESSING enumeration FINISHED

source	`<xs:element name="TCRImportJobStatus">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:token">`
	`  <xs:enumeration value="NEW"/>`
	`  <xs:enumeration value="PROCESSING"/>`
	`  <xs:enumeration value="FINISHED"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **TCRImportMode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
facets	Kind Value Annotation enumeration IMPORT

	enumeration VALIDATE

source	`<xs:element name="TCRImportMode">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:token">`
	`  <xs:enumeration value="IMPORT"/>`
	`  <xs:enumeration value="VALIDATE"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **TCRMeasures**

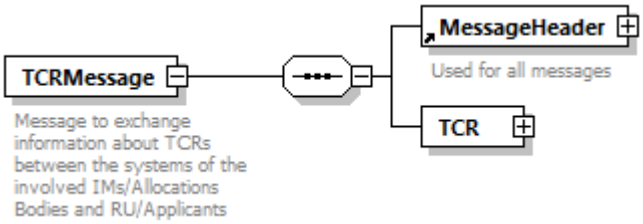
diagram	**TCRMeasures** Indication of traffic measures taken regarding the TCR. 10 Freight trains 20 LongDistance trains 30 ShortDistance trains 40 Commuter trains
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	complexTypes **AffectedServicesType** **DelayType**
facets	Kind Value Annotation enumeration 10 enumeration 20 enumeration 30 enumeration 40
annotation	documentation Indication of traffic measures taken regarding the TCR. 10 Freight trains 20 LongDistance trains 30 ShortDistance trains 40 Commuter trains

source	`<xs:element name="TCRMeasures">`
	`  <xs:annotation>`
	`  <xs:documentation>Indication of traffic measures taken regarding the TCR.`
	`10  Freight trains`
	`20  LongDistance trains`
	`30  ShortDistance trains`
	`40  Commuter trains`
	`  </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:token">`
	`  <xs:enumeration value="10"/>`
	`  <xs:enumeration value="20"/>`
	`  <xs:enumeration value="30"/>`

```
      <xs:enumeration value="40"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TCRMessage**

diagram



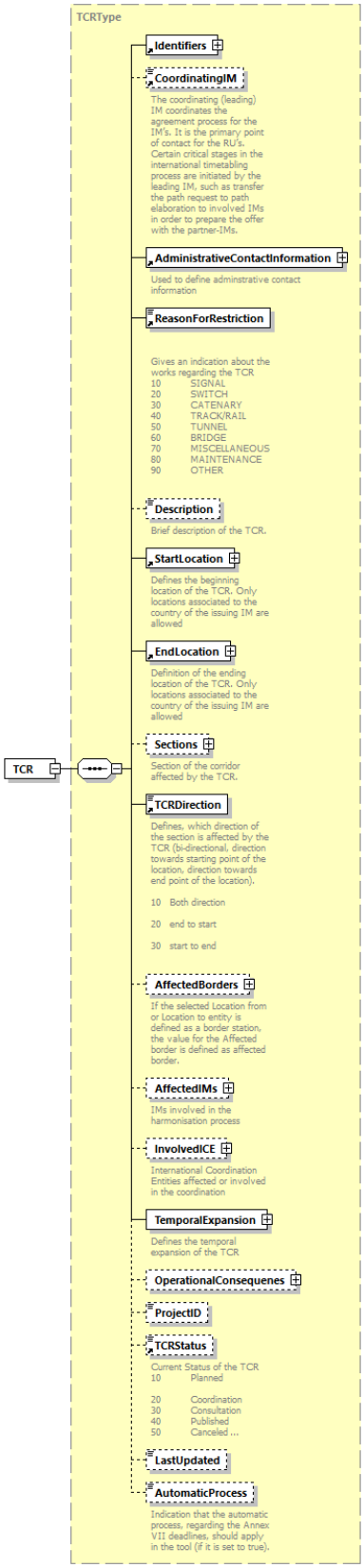
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **TCR**
annotation	documentation Message to exchange information about TCRs between the systems of the involved IMs/Allocations Bodies and RU/Applicants

source

```
<xs:element name="TCRMessage">
  <xs:annotation>
    <xs:documentation>Message to exchange information about TCRs between the systems
of the involved IMs/Allocations Bodies and RU/Applicants</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <!-- IM responsible for the TCR -->
      <xs:element name="TCR" type="TCRType"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

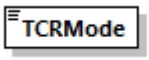
element **TCRMessage/TCR**

diagram



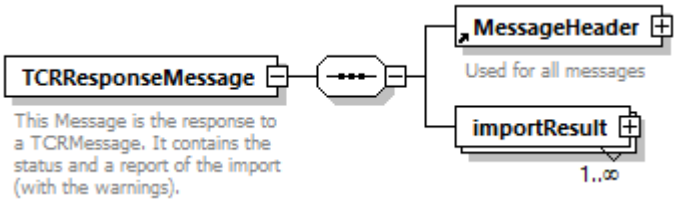
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**TCRType**
properties	content complex
children	**Identifiers** **CoordinatingIM** **AdministrativeContactInformation** **ReasonForRestriction** **Description** **StartLocation** **EndLocation** **Sections** **TCRDirection** **AffectedBorders** **AffectedIMs** **InvolvedICE** **TemporalExpansion** **OperationalConsequenes** **ProjectID** **TCRStatus** **LastUpdated** **AutomaticProcess**
source	`<xs:element name="TCR" type="TCRType"/>`

element **TCRMode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	complexType **ImportResultType**
facets	Kind / Value / Annotation enumeration NEW enumeration UPDATE enumeration CANCEL enumeration IGNORE

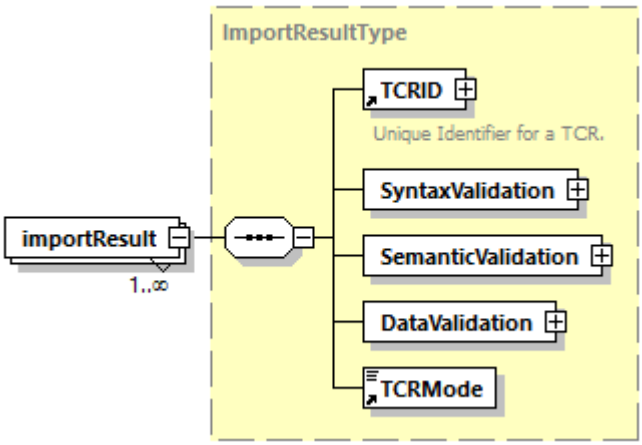
source	`<xs:element name="TCRMode">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:enumeration value="NEW"/>`
	`  <xs:enumeration value="UPDATE"/>`
	`  <xs:enumeration value="CANCEL"/>`
	`  <xs:enumeration value="IGNORE"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **TCRResponseMessage**

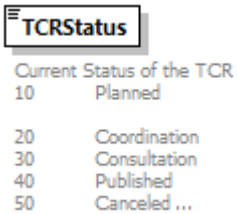
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **importResult**

annotation	documentation This Message is the response to a TCRMessage. It contains the status and a report of the import (with the warnings).
source	<xs:element name="TCRResponseMessage"> <xs:annotation> <xs:documentation>This Message is the response to a TCRMessage. It contains the status and a report of the import (with the warnings).</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element name="importResult" type="ImportResultType" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element>

element **TCRResponseMessage/importResult**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**ImportResultType**
properties	minOcc 1 maxOcc unbounded content complex
children	**TCRID** **SyntaxValidation** **SemanticValidation** **DataValidation** **TCRMode**
source	<xs:element name="importResult" type="ImportResultType" maxOccurs="unbounded"/>

element **TCRStatus**

diagram	

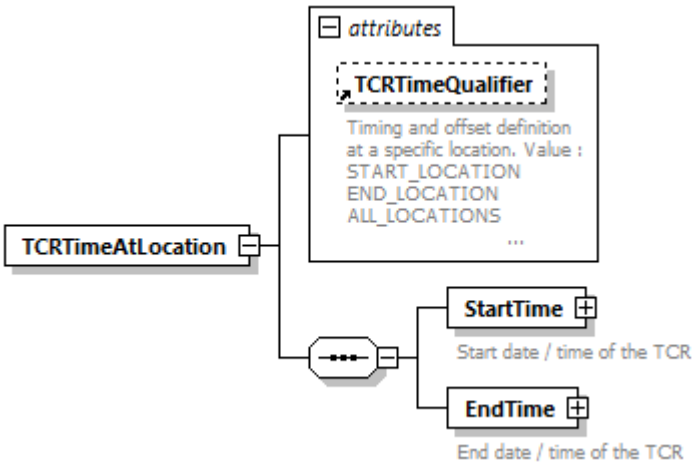
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **TCRSearchCriteria/TCRStatusSearch** complexType **TCRType**
facets	Kind Value Annotation enumeration 10 enumeration 20 enumeration 30 enumeration 40 enumeration 50
annotation	documentation Current Status of the TCR 10 Planned 20 Coordination 30 Consultation 40 Published 50 Canceled

source

```
<xs:element name="TCRStatus">
  <xs:annotation>
    <xs:documentation>Current Status of the TCR
10     Planned
20     Coordination
30     Consultation
40     Published
50     Canceled
                    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="10"/>
      <xs:enumeration value="20"/>
      <xs:enumeration value="30"/>
      <xs:enumeration value="40"/>
      <xs:enumeration value="50"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TCRTimeAtLocation**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**StartTime** **EndTime**
used by	complexType **TemporalExpansionType**

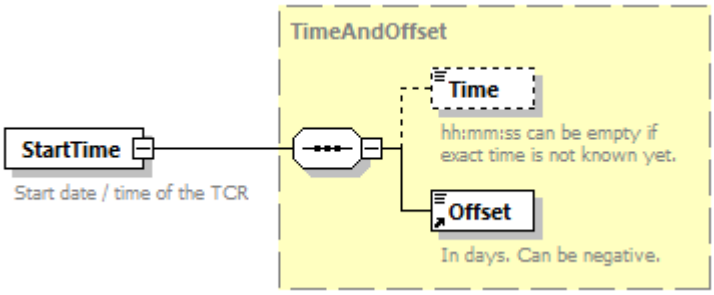
attributes

Name	Type	Use	Default	Fixed	Annotation
TCRTimeQualifier	**derived by: xs:token**				documentation Timing and offset definition at a specific location. Value : START_LOCATION END_LOCATION ALL_LOCATIONS

source

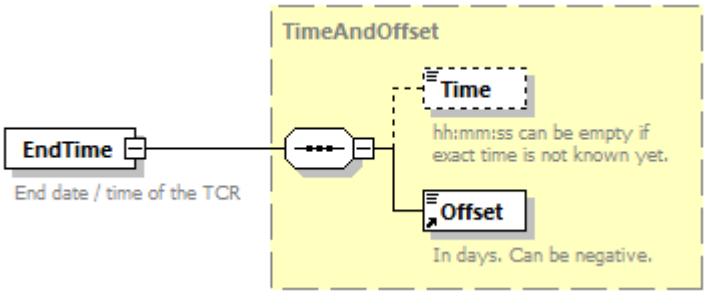
```
<xs:element name="TCRTimeAtLocation">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="StartTime" type="TimeAndOffset">
        <xs:annotation>
          <xs:documentation>Start date / time of the TCR</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="EndTime" type="TimeAndOffset">
        <xs:annotation>
          <xs:documentation>End date / time of the TCR</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
    <xs:attribute ref="TCRTimeQualifier"/>
  </xs:complexType>
</xs:element>
```

element **TCRTimeAtLocation/StartTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**TimeAndOffset**
properties	content complex
children	**Time** **Offset**
annotation	documentation Start date / time of the TCR

source	`<xs:element name="StartTime" type="TimeAndOffset">`
	`  <xs:annotation>`
	`  <xs:documentation>Start date / time of the TCR</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TCRTimeAtLocation/EndTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**TimeAndOffset**
properties	content complex
children	**Time** **Offset**
annotation	documentation End date / time of the TCR

source	`<xs:element name="EndTime" type="TimeAndOffset">`
	`  <xs:annotation>`
	`  <xs:documentation>End date / time of the TCR</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TechnicalForwardingRestrictions**

diagram

TechnicalForwardingRestrictions

This element is designed to identify any special aspects or restrictions which might be relevant to wagon handling operations in train formation yards or in trains because of technical feature of the wagon or its load-

All codes of Transport restrictions for Freight Traffic (cf. UIC 920-13) and Passengers Traffic are in the same list which is contained in the code list RestrictionCodes.

In this element we use only those codes that have "T - Technical" characteristics and "F - Freight" as the type. The codes below are sorted out from the RestrictionCodes. Only these codes should be used in this element.

F = Freight
P = Passenger
T = Technical
D = Damage
L = Load

Code	F or P	Description	T	D	L
07	F	Shunt only when hand brake operable with ground staff			
11	F	Wagon other than bogie wagon with wheelbase of more than 9 metres	x	x	
12	F	Bogie wagon with distance between wheels of more than 14 metres and up to and including a distance of 17,50 metres	x		
13	F	Bogie wagon with distance between wheels of more than 17,50 metres			
15	F	Wagon not allowed over the hump	x		
16	F	Do not fly shunt or gravity shunt (3 red triangles)	x	x	x

x...

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**RestrictionCodes**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind Value Annotation enumeration 07 documentation F - Shunt only when hand brake operable with ground staff enumeration 08 documentation F - Tank wagon loaded with liquid enumeration 09 documentation F - Wagon loaded with people enumeration 11 documentation F - Wagon other than bogie wagon with wheelbase of more than 9 metres enumeration 12 documentation F - Bogie wagon with distance between wheels of more than 14 metres and up to and including a distance of 17,50 metres enumeration 13 documentation F - Bogie wagon with distance between wheels of more than 17,50 metres enumeration 15 documentation F - Wagon not allowed over the hump enumeration 16 documentation F - Do not fly shunt or gravity shunt (3 red triangles) enumeration 18 documentation F - Must not use active braking equipment enumeration 25 documentation F - Gas carrying tank wagon with orange side stripe enumeration 30 documentation P (+F) - CCS fault (see CCS coding list) enumeration 31 documentation P (+F) - Braking system fault enumeration 32 documentation P (+F) - Wheelset, bogie fault enumeration 33 documentation P (+F) - Headlighting or back lighting fault enumeration 34 documentation P (+F) - Front glass broken enumeration 35 documentation P (+F) - Horn fault enumeration 36 documentation P (+F) - Radio fault enumeration 37 documentation P (+F) - Energy supply fault enumeration 38 documentation P (+F) - Traction or motor fault enumeration 39 documentation P - Access door fault enumeration 41 documentation F - Place this wagon at the front of the train enumeration 42 documentation F - Place this wagon at the rear of the train enumeration 50 documentation P (+F) - Speed restriction enumeration 52 documentation P (+F) - Diesel locomotive instead of electric locomotive enumeration 61 documentation F - Wagon forming part of a consignment of several wagons enumeration 62 documentation

			F - Wagon forming part of a group of wagons from which it must not be separated
	enumeration	63	documentation F (+P) - Special consignment or (for Passengers trains) loading/cinematic gauge larger than the planned one
	enumeration	68	documentation F - First or last wagon of a wagon group from which it must not be separated
	enumeration	70	documentation F - Shunt with care (1 red triangle)
	enumeration	71	documentation F - Shunt with special care (2 red triangle)
	enumeration	90	documentation P - Train planned with passengers operated without passengers
	enumeration	91	documentation P - Train planned without passengers operated with passengers
	enumeration	92	documentation P - Train planned with hauled rolling stock and operated without any coaches (light engine)
	enumeration	94	documentation F - Gas carrying wagon without orange side stripe
	enumeration	99	documentation P - Other

annotation

documentation

This element is designed to identify any special aspects or restrictions which might be relevant to wagon handling operations in train formation yards or in trains because of technical feature of the wagon or its load-

All codes of Transport restrictions for Freight Traffic (cf. UIC 920-13) and Passengers Traffic are in the same list which is contained in the code list RestrictionCodes.

In this element we use only those codes that have "T - Technical" characteristics and "F - Freight" as the type. The codes below are sorted out from the RestrictionCodes. Only these codes should be used in this element.

F = Freight

P = Passenger
T = Technical
D = Damage
L = Load

Code	F or P	Description	T	D	L
07	F	Shunt only when hand brake operable with ground staff	x		x
11	F	Wagon other than bogie wagon with wheelbase of more than 9 metres		x	
12	F	Bogie wagon with distance between wheels of more than 14 metres and up to and including a distance of 17,50 metres	x		
13	F	Bogie wagon with distance between wheels of more than 17,50 metres		x	
15	F	Wagon not allowed over the hump	x	x	x
16	F	Do not fly shunt or gravity shunt (3 red triangles)	x	x	x
18	F	Must not use active braking equipment	x		

25	F	Gas carrying tank wagon with orange side stripe				x
41	F	Place this wagon at the front of the train	x	x	x	
42	F	Place this wagon at the rear of the train	x	x	x	
63	F (+P)	Special consignment or (for Passengers trains) loading/cinematic gauge larger than the planned one		x	x	
70	F	Shunt with care (1 red triangle)		x	x	x
71	F	Shunt with special care (2 red triangle)	x	x	x	
94	F	Gas carrying wagon without orange side stripe				x

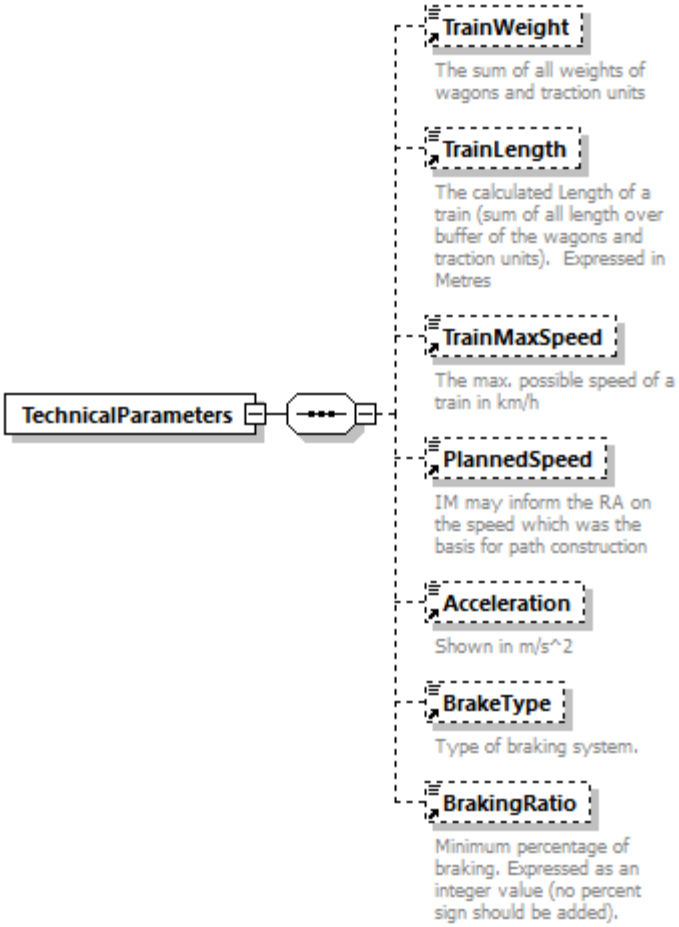
source

```
<xs:element name="TechnicalForwardingRestrictions" type="RestrictionCodes">
  <xs:annotation>
    <xs:documentation>This element is designed to identify any special aspects or
restrictions which might be relevant to wagon handling operations in train formation
yards or in trains because of technical feature of the wagon or its load-
       All codes of Transport restrictions for Freight Traffic (cf. UIC 920-13) and
Passengers Traffic are in the same list which is contained in the code list
RestrictionCodes.
       In this element we use only those codes that have "T - Technical"
characteristics and "F - Freight" as the type. The codes below are sorted out from
the RestrictionCodes. Only these codes should be used in this element.
                                                                F = Freight
P = Passenger
T = Technical
D = Damage
L = Load

Code   F or P Description



                     T      D      L
07     F      Shunt only when hand brake operable with ground staff

                                                                x             x
11     F      Wagon other than bogie wagon with wheelbase of more than 9 metres

                                   x
12     F      Bogie wagon with distance between wheels of more than 14 metres and up
to and including a distance of 17,50 metres   x
13     F      Bogie wagon with distance between wheels of more than 17,50 metres
```

```
                                        x
15     F      Wagon not allowed over the hump


       x      x      x
16     F      Do not fly shunt or gravity shunt (3 red triangles)

                                                                        x      x
       x
18     F      Must not use active braking equipment

                                                                               x

25     F      Gas carrying tank wagon with orange side stripe

                                                                        x

41     F      Place this wagon at the front of the train


       x      x      x
42     F      Place this wagon at the rear of the train


       x      x      x
63     F (+P) Special consignment or (for Passengers trains) loading/cinematic gauge
larger than the planned one                                   x      x
70     F      Shunt with care (1 red triangle)


              x      x      x
71     F      Shunt with special care (2 red triangle)


       x      x      x
94     F      Gas carrying wagon without orange side stripe

                                                                        x

</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **TechnicalParameters**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**TrainWeight** **TrainLength** **TrainMaxSpeed** **PlannedSpeed** **Acceleration** **BrakeType** **BrakingRatio**
used by	complexType **PlannedLocationInfoType**

source

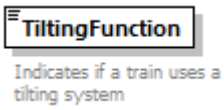
```
<xs:element name="TechnicalParameters">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="TrainWeight" minOccurs="0"/>
      <xs:element ref="TrainLength" minOccurs="0"/>
      <xs:element ref="TrainMaxSpeed" minOccurs="0"/>
      <xs:element ref="PlannedSpeed" minOccurs="0"/>
      <xs:element ref="Acceleration" minOccurs="0"/>
      <xs:element ref="BrakeType" minOccurs="0"/>
      <xs:element ref="BrakingRatio" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TelematicDeviceID**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	element **RunningStatusReportMessage**
facets	Kind Value Annotation minLength 1 maxLength 256
annotation	documentation ID of the tracking device on the transport device. "NA" is not available.

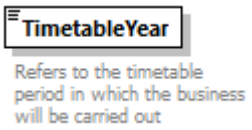
source	`<xs:element name="TelematicDeviceID">`
	`  <xs:annotation>`
	`  <xs:documentation>ID of the tracking device on the transport device. "NA" is not available.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="256"/>`
	`  <xs:minLength value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **TiltingFunction**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
used by	elements **GeneralParameters** **PassengerTrainData** **PlannedTrainTechnicalData**
annotation	documentation Indicates if a train uses a tilting system

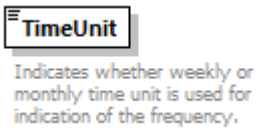
source	`<xs:element name="TiltingFunction" type="xs:boolean">`
	`  <xs:annotation>`
	`  <xs:documentation>Indicates if a train uses a tilting system</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TimetableYear**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	complexTypes **CompositIdentifierOperationalType** **CompositIdentifierPlannedType**
facets	Kind Value Annotation minInclusive 2012 maxInclusive 2097
annotation	documentation Refers to the timetable period in which the business will be carried out

source	`<xs:element name="TimetableYear">`
	`  <xs:annotation>`
	`  <xs:documentation>Refers to the timetable period in which the business will be carried out</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="2012"/>`
	`  <xs:maxInclusive value="2097"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **TimeUnit**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **FrequencyOfDays**
facets	Kind Value Annotation enumeration 0 documentation Weekly enumeration 1 documentation Monthly
annotation	documentation Indicates whether weekly or monthly time unit is used for indication of the frequency.
source	`<xs:element name="TimeUnit">` `  <xs:annotation>`

```
    <xs:documentation>Indicates whether weekly or monthly time unit is used for
indication of the frequency.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="0">
        <xs:annotation>
          <xs:documentation>Weekly</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>Monthly</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TimingAtLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Timing** **DwellTime**
used by	elements **AssociatedAttachedTimingAtLocation** **TrainOrCoachGroupComposition/Unit/ItineraryOfCoachOrTrainset/DestinationOfVehicle** **TrainOrCoachGroupComposition/Unit/ItineraryOfCoachOrTrainset/OriginOfVehicle** **PlannedJourneyLocation** complexType **PlannedLocationInfoType**
annotation	documentation Timing at an operation point It has an attribute TimerQualifierCode with the following values:

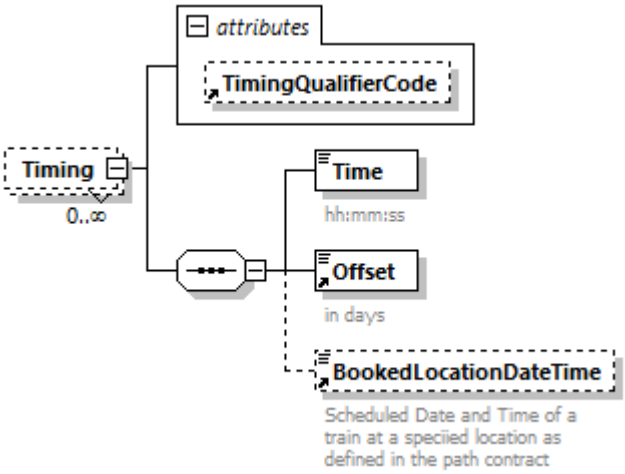
	PLA = Public Location Arrival ELA = Earliest Location Arrival ALA = Actual Location Arival LLA = Latest Location Arrival PLD = Public Location Departure ELD = Earliest Location Departure ALD = Actual Location Departure LLD = Latest Location Departure ERT = Earliest Run Through ART = Actual Run Through LRT = Latest Run Through
source	

```
<xs:element name="TimingAtLocation">
  <xs:annotation>
    <xs:documentation>Timing at an operation point
It has an attribute TimerQualifierCode with the following values:
PLA = Public Location Arrival
ELA = Earliest Location Arrival
ALA = Actual Location Arival
LLA = Latest Location Arrival
PLD = Public Location Departure
ELD = Earliest Location Departure
ALD = Actual Location Departure
LLD = Latest Location Departure
ERT = Earliest Run Through
ART = Actual Run Through
LRT = Latest Run Through
                    </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Timing" minOccurs="0" maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Time">
              <xs:annotation>
                <xs:documentation>hh:mm:ss</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:simpleContent>
                  <xs:extension base="xs:time"/>
                </xs:simpleContent>
              </xs:complexType>
            </xs:element>
            <xs:element ref="Offset">
              <xs:annotation>
                <xs:documentation>in days</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="BookedLocationDateTime" minOccurs="0"/>
          </xs:sequence>
          <xs:attribute ref="TimingQualifierCode"/>
        </xs:complexType>
      </xs:element>
      <xs:element ref="DwellTime" minOccurs="0"/>
```

```
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TimingAtLocation/Timing**

diagram



namespace: http://www.era.europa.eu/schemes/TAFTSI/3.5

properties

minOcc	0
maxOcc	unbounded
content	complex

children: **Time** **Offset** **BookedLocationDateTime**

attributes

Name	Type	Use	Default	Fixed	Annotation
TimingQualifierCode	**derived by: xs:token**				

source

```
<xs:element name="Timing" minOccurs="0" maxOccurs="unbounded">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Time">
        <xs:annotation>
          <xs:documentation>hh:mm:ss</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:simpleContent>
            <xs:extension base="xs:time"/>
          </xs:simpleContent>
        </xs:complexType>
      </xs:element>
      <xs:element ref="Offset">
        <xs:annotation>
          <xs:documentation>in days</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="BookedLocationDateTime" minOccurs="0"/>
    </xs:sequence>
    <xs:attribute ref="TimingQualifierCode"/>
  </xs:complexType>
```

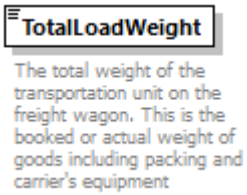
	`</xs:element>`

element **TimingAtLocation/Timing/Time**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **xs:time**
properties	content complex
annotation	documentation hh:mm:ss

source	`<xs:element name="Time">`
	`  <xs:annotation>`
	`  <xs:documentation>hh:mm:ss</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:simpleContent>`
	`  <xs:extension base="xs:time"/>`
	`  </xs:simpleContent>`
	`  </xs:complexType>`
	`</xs:element>`

element **TotalLoadWeight**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**WeightValueKilo**
properties	content simple
used by	elements **WagonPerformanceMessage/PerformanceData** **RollingStockTechnicalData** **UnitTechnicalData** **WagonOperationalData**
facets	Kind / Value / Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse
annotation	documentation The total weight of the transportation unit on the freight wagon. This is the booked or actual weight of goods including packing and carrier's equipment

source	`<xs:element name="TotalLoadWeight" type="WeightValueKilo">`
	`  <xs:annotation>`
	`  <xs:documentation>The total weight of the transportation unit on the freight wagon. This is the booked or actual weight of goods including packing and carrier's`

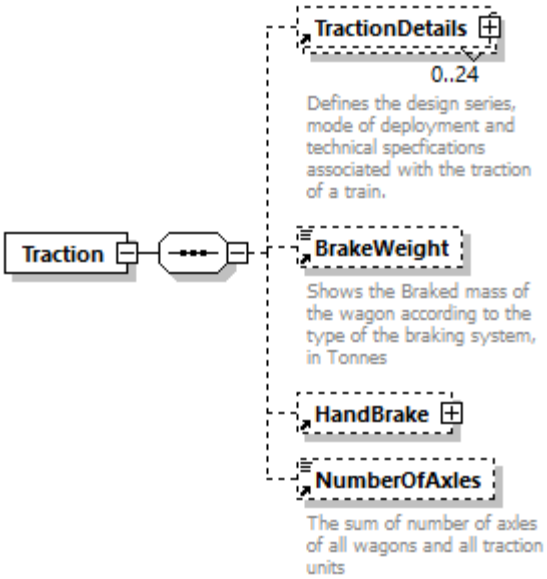
```
equipment</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **TotalWeight**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**WeightValueKilo**
properties	content simple
used by	elements **Wagons/WagonDetails** **WagonInformation**
facets	Kind / Value / Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse
annotation	documentation Total weight of the loaded wagon [kg].

source	`<xs:element name="TotalWeight" type="WeightValueKilo">`
	`  <xs:annotation>`
	`  <xs:documentation>Total weight of the loaded wagon [kg]. </xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

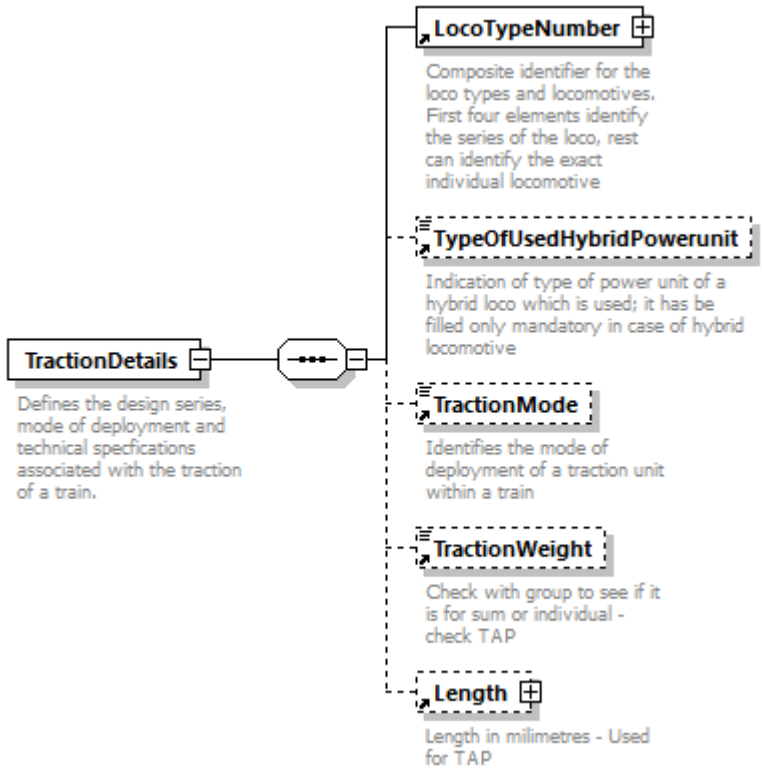
element **Traction**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

properties	content complex
children	**TractionDetails** **BrakeWeight** **HandBrake** **NumberOfAxles**

source	`<xs:element name="Traction">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="TractionDetails" minOccurs="0" maxOccurs="24"/>`
	`  <xs:element ref="BrakeWeight" minOccurs="0"/>`
	`  <xs:element ref="HandBrake" minOccurs="0"/>`
	`  <xs:element ref="NumberOfAxles" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

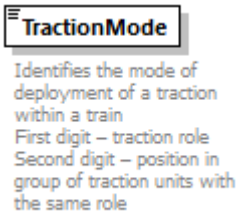
element **TractionDetails**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**LocoTypeNumber** **TypeOfUsedHybridPowerunit** **TractionMode** **TractionWeight** **Length**
used by	elements **PlannedTrainTechnicalData** **Traction**
annotation	documentation Defines the design series, mode of deployment and technical specfications associated with the traction of a train.

source	`<xs:element name="TractionDetails">`
	`  <xs:annotation>`
	`  <xs:documentation>Defines the design series, mode of deployment and technical`

```
specfications associated with the traction of a train.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="LocoTypeNumber"/>
      <xs:element ref="TypeOfUsedHybridPowerunit" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Indication of type of power unit of a hybrid loco which
is used; it has be filled only mandatory in case of hybrid
locomotive</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="TractionMode" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Identifies the mode of deployment of a traction unit
within a train</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="TractionWeight" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Check with group to see if it is for sum or individual
- check TAP</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="Length" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Length in milimetres - Used for TAP</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TractionMode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	elements **TrainCompositionJourneySection/LocoIdent** **TractionDetails** **UnitData**
facets	Kind / Value / Annotation minInclusive 11 maxInclusive 99 enumeration 11 documentation

			Train traction - 1st traction unit in the group
	enumeration	21	documentation
			Intermediate traction - 1st traction unit in the group
	enumeration	31	documentation
			Banking locomotive - 1st traction unit in the group
	enumeration	41	documentation
			Banking locomotive not coupled - 1st traction unit in the group
	enumeration	51	documentation
			No Leading Engine - 1st traction unit in the group
	enumeration	12	documentation
			Train traction - 2nd traction unit in the group
	enumeration	22	documentation
			Intermediate traction - 2nd traction unit in the group
	enumeration	32	documentation
			Banking locomotive - 2nd traction unit in the group
	enumeration	42	documentation
			Banking locomotive not coupled - 2nd traction unit in the group
	enumeration	52	documentation
			No Leading Engine - 2nd traction unit in the group
	enumeration	13	documentation
			Train traction - 3rd traction unit in the group
	enumeration	23	documentation
			Intermediate traction - 3rd traction unit in the group
	enumeration	33	documentation
			Banking locomotive - 3rd traction unit in the group
	enumeration	43	documentation
			Banking locomotive not coupled - 3rd traction unit in the group
	enumeration	53	documentation
			No Leading Engine - 3rd traction unit in the group
	enumeration	14	documentation
			Train traction - 4th traction unit in the group
	enumeration	24	documentation
			Intermediate traction - 4th traction unit in the group
	enumeration	34	documentation
			Banking locomotive - 4th traction unit in the group
	enumeration	44	documentation
			Banking locomotive not coupled - 4th traction unit in the group
	enumeration	54	documentation
			No Leading Engine - 4th traction unit in the group
	enumeration	15	documentation
			Train traction - 5th traction unit in the group
	enumeration	25	documentation
			Intermediate traction - 5th traction unit in the group
	enumeration	35	documentation
			Banking locomotive - 5th traction unit in the group
	enumeration	45	documentation
			Banking locomotive not coupled - 5th traction unit in the group
	enumeration	55	documentation
			No Leading Engine - 5th traction unit in the group
	enumeration	16	documentation
			Train traction - 6th traction unit in the group
	enumeration	26	documentation
			Intermediate traction - 6th traction unit in the group
	enumeration	36	documentation
			Banking locomotive - 6th traction unit in the group
	enumeration	46	documentation
			Banking locomotive not coupled - 6th traction unit in the group
	enumeration	56	documentation
			No Leading Engine - 6th traction unit in the group
annotation	documentation		

	Identifies the mode of deployment of a traction within a train First digit – traction role Second digit – position in group of traction units with the same role
source	

```
<xs:element name="TractionMode">
  <xs:annotation>
    <xs:documentation>Identifies the mode of deployment of a traction within a train
First digit – traction role
Second digit – position in group of traction units with the same role
</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="11"/>
      <xs:maxInclusive value="99"/>
      <xs:enumeration value="11">
        <xs:annotation>
          <xs:documentation>Train traction - 1st traction unit in the
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="21">
        <xs:annotation>
          <xs:documentation>Intermediate traction - 1st traction unit in the
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="31">
        <xs:annotation>
          <xs:documentation>Banking locomotive - 1st traction unit in the
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="41">
        <xs:annotation>
          <xs:documentation>Banking locomotive not coupled - 1st traction unit in
the group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="51">
        <xs:annotation>
          <xs:documentation>No Leading Engine - 1st traction unit in the
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="12">
        <xs:annotation>
          <xs:documentation>Train traction - 2nd traction unit in the
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="22">
        <xs:annotation>
          <xs:documentation>Intermediate traction - 2nd traction unit in the
```

```
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="32">
        <xs:annotation>
          <xs:documentation>Banking locomotive - 2nd traction unit in the
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="42">
        <xs:annotation>
          <xs:documentation>Banking locomotive not coupled - 2nd traction unit in
the group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="52">
        <xs:annotation>
          <xs:documentation>No Leading Engine - 2nd traction unit in the
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="13">
        <xs:annotation>
          <xs:documentation>Train traction - 3rd traction unit in the
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="23">
        <xs:annotation>
          <xs:documentation>Intermediate traction - 3rd traction unit in the
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="33">
        <xs:annotation>
          <xs:documentation>Banking locomotive - 3rd traction unit in the
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="43">
        <xs:annotation>
          <xs:documentation>Banking locomotive not coupled - 3rd traction unit in
the group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="53">
        <xs:annotation>
          <xs:documentation>No Leading Engine - 3rd traction unit in the
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="14">
        <xs:annotation>
          <xs:documentation>Train traction - 4th traction unit in the
group</xs:documentation>
```

```
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="24">
        <xs:annotation>
          <xs:documentation>Intermediate traction - 4th traction unit in the
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="34">
        <xs:annotation>
          <xs:documentation>Banking locomotive - 4th traction unit in the
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="44">
        <xs:annotation>
          <xs:documentation>Banking locomotive not coupled - 4th traction unit in
the group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="54">
        <xs:annotation>
          <xs:documentation>No Leading Engine - 4th traction unit in the
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="15">
        <xs:annotation>
          <xs:documentation>Train traction - 5th traction unit in the
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="25">
        <xs:annotation>
          <xs:documentation>Intermediate traction - 5th traction unit in the
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="35">
        <xs:annotation>
          <xs:documentation>Banking locomotive - 5th traction unit in the
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="45">
        <xs:annotation>
          <xs:documentation>Banking locomotive not coupled - 5th traction unit in
the group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="55">
        <xs:annotation>
          <xs:documentation>No Leading Engine - 5th traction unit in the
group</xs:documentation>
        </xs:annotation>
```

```
      </xs:enumeration>
      <xs:enumeration value="16">
        <xs:annotation>
          <xs:documentation>Train traction - 6th traction unit in the
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="26">
        <xs:annotation>
          <xs:documentation>Intermediate traction - 6th traction unit in the
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="36">
        <xs:annotation>
          <xs:documentation>Banking locomotive - 6th traction unit in the
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="46">
        <xs:annotation>
          <xs:documentation>Banking locomotive not coupled - 6th traction unit in
the group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="56">
        <xs:annotation>
          <xs:documentation>No Leading Engine - 6th traction unit in the
group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TractionPositionInTrain**

diagram	**TractionPositionInTrain** Identifies position of intermediate traction unit(s) in the train indicating after which wagon (specified by order number) the unit is placed.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	element **TrainCompositionJourneySection/LocoIdent**
facets	Kind / Value / Annotation minInclusive 01 maxInclusive 99

annotation	documentation Identifies position of intermediate traction unit(s) in the train indicating after which wagon (specified by order number) the unit is placed.
source	<xs:element name="TractionPositionInTrain"> <xs:annotation> <xs:documentation>Identifies position of intermediate traction unit(s) in the train indicating after which wagon (specified by order number) the unit is placed.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="01"/> <xs:maxInclusive value="99"/> </xs:restriction> </xs:simpleType> </xs:element>

element **TractionType**

diagram	**TractionType** Identifies the type of a locomotive: First digit: "0" = not specified "1" = external electric power supply for traction (catenary and pantograph, third rail or other such as maglev) "2" = on-board traction power supply for traction without external electrical or other power supply available "3" = hybrid traction (both on-board or electric traction available) Second digit (definitions in chapter 2.2.2 of the LOC and PAS TSI 1302/2014): "0" = not specified "1" = locomotive or power unit "2" = trainset or multiple unit or railcar "3" = shunter "4" = on track machine or infrastructure inspection vehicle
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	elements **TrainCompositionJourneySection/LocoIdent** **UnitData**
facets	Kind Value Annotation enumeration 00 enumeration 01 enumeration 02 enumeration 03

	enumeration 04 enumeration 10 enumeration 11 enumeration 12 enumeration 13 enumeration 14 enumeration 20 enumeration 21 enumeration 22 enumeration 23 enumeration 24 enumeration 30 enumeration 31 enumeration 32 enumeration 33 enumeration 34
annotation	documentation Identifies the type of a locomotive: First digit: “0” = not specified “1” = external electric power supply for traction (catenary and pantograph, third rail or other such as maglev) “2” = on-board traction power supply for traction without external electrical or other power supply available “3” = hybrid traction (both on-board or electric traction available) Second digit (definitions in chapter 2.2.2 of the LOC and PAS TSI 1302/2014): “0” = not specified “1” = locomotive or power unit “2” = trainset or multiple unit or railcar “3” = shunter “4” = on track machine or infrastructure inspection vehicle
source	<xs:element name="TractionType"> <xs:annotation> <xs:documentation>Identifies the type of a locomotive: First digit: “0” = not specified “1” = external electric power supply for traction (catenary and pantograph, third rail or other such as maglev) “2” = on-board traction power supply for traction without external electrical or other power supply available “3” = hybrid traction (both on-board or electric traction available) Second digit (definitions in chapter 2.2.2 of the LOC and PAS TSI 1302/2014): “0” = not specified “1” = locomotive or power unit “2” = trainset or multiple unit or railcar “3” = shunter “4” = on track machine or infrastructure inspection vehicle </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="00"/> <xs:enumeration value="01"/>

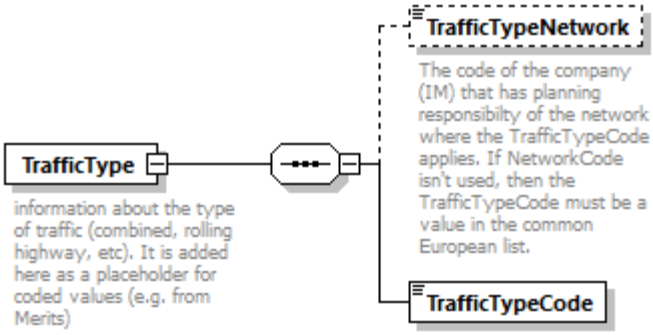
```
      <xs:enumeration value="02"/>
      <xs:enumeration value="03"/>
      <xs:enumeration value="04"/>
      <xs:enumeration value="10"/>
      <xs:enumeration value="11"/>
      <xs:enumeration value="12"/>
      <xs:enumeration value="13"/>
      <xs:enumeration value="14"/>
      <xs:enumeration value="20"/>
      <xs:enumeration value="21"/>
      <xs:enumeration value="22"/>
      <xs:enumeration value="23"/>
      <xs:enumeration value="24"/>
      <xs:enumeration value="30"/>
      <xs:enumeration value="31"/>
      <xs:enumeration value="32"/>
      <xs:enumeration value="33"/>
      <xs:enumeration value="34"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TractionWeight**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**WeightValueTonne**
properties	content simple
used by	element **TractionDetails**
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation The weight of the traction unit

source	`<xs:element name="TractionWeight" type="WeightValueTonne">`
	`  <xs:annotation>`
	`  <xs:documentation>The weight of the traction unit</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TrafficType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**TrafficTypeNetwork** **TrafficTypeCode**
used by	element **PlannedTrainData** complexType **CapacityModelType**
annotation	documentation information about the type of traffic (combined, rolling highway, etc). It is added here as a placeholder for coded values (e.g. from Merits)

source

```
<xs:element name="TrafficType">
  <xs:annotation>
    <xs:documentation>information about the type of traffic (combined, rolling
highway, etc). It is added here as a placeholder for coded values (e.g. from
Merits)</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="TrafficTypeNetwork" type="CompanyCode" minOccurs="0">
        <xs:annotation>
          <xs:documentation>The code of the company (IM) that has planning
responsibilty of the network where the TrafficTypeCode applies. If NetworkCode isn't
used, then the TrafficTypeCode must be a value in the common European
list.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="TrafficTypeCode">
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="9"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrafficType/TrafficTypeNetwork**

diagram	**TrafficTypeNetwork** The code of the company (IM) that has planning responsibilty of the network where the TrafficTypeCode applies. If NetworkCode isn't used, then the TrafficTypeCode must be a value in the common European list.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation The code of the company (IM) that has planning responsibilty of the network where the TrafficTypeCode applies. If NetworkCode isn't used, then the TrafficTypeCode must be a value in the common European list.

source	`<xs:element name="TrafficTypeNetwork" type="CompanyCode" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>The code of the company (IM) that has planning responsibilty of the network where the TrafficTypeCode applies. If NetworkCode isn't used, then the TrafficTypeCode must be a value in the common European list.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

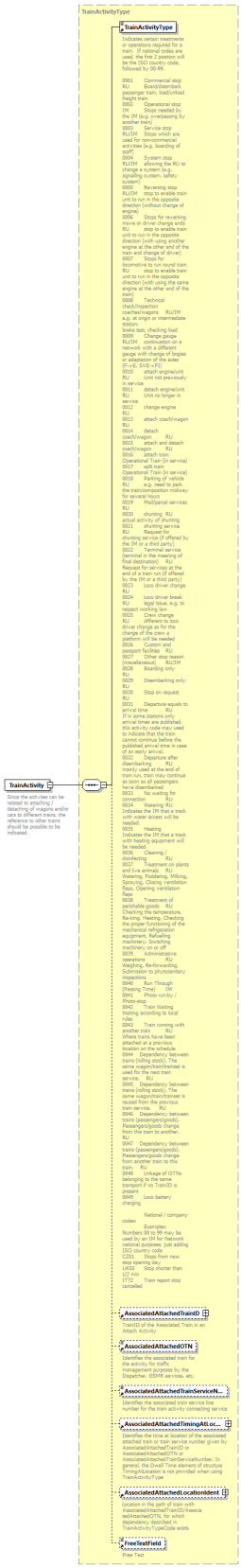
element **TrafficType/TrafficTypeCode**

diagram	**TrafficTypeCode**
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 9

source	`<xs:element name="TrafficTypeCode">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="9"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **TrainActivity**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**TrainActivityType**
properties	content complex
children	**TrainActivityType** **AssociatedAttachedTrainID** **AssociatedAttachedOTN** **AssociatedAttachedTrainServiceNumber** **AssociatedAttachedTimingAtLocation** **AssociatedAttachedLocationIdent** **FreeTextField**
used by	elements **PassengerTrainData/Activities** **TrainRunningData/Activities** **PlannedJourneyLocation** complexType **PlannedLocationInfoType**
annotation	documentation Since the activites can be related to attaching / detaching of wagons and/or cars to different trains, the reference to other trains should be possible to be indicated.

source	`<xs:element name="TrainActivity" type="TrainActivityType">`
	`  <xs:annotation>`
	`  <xs:documentation>Since the activites can be related to attaching / detaching of wagons and/or cars to different trains, the reference to other trains should be possible to be indicated.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TrainActivityType**

diagram

TrainActivityType

Indicates certain treatments or operations required for a train. If national codes are used, the first 2 position will be the ISO country code, followed by 00-99.

0001 Commercial stop
RU Board/disembark passenger train, load/unload freight train
0002 Operational stop
IM Stops needed by the IM (e.g. overpassing by another train)
0003 Service stop
RU/IM Stops which are used for non-commercial activities (e.g. boarding of staff)
0004 System stop
RU/IM allowing the RU to change a system (e.g. signalling system, safety system)
0005 Reversing stop
RU/IM stop to enable train unit to run in the opposite direction (without change of engine)
0006 Stops for reversing move or driver change ends
RU stop to enable train unit to run in the opposite direction (with using another engine at the other end of the train and change of drive)
0007 Stops for locomotive to run round train
RU stop to enable train unit to run in the opposite direction (with using the same engine at the other end of the train)
0008 Technical check/inspection
coaches/wagons RU/IM
e.g. at origin or intermediate station
brake test, checking load
0009 Change gauge
RU/IM continuation on a network with a different gauge with change of bogies or adaptation of the axles (F->E, SVE->FT)
0010 attach engine/unit
RU Unit not previously in service
0011 detach engine/unit
RU Unit no longer in service
0012 change engine
RU
0013 attach coach/wagon
RU
0014 detach coach/wagon RU
0015 attach and detach coach/wagon RU
0016 attach train
Operational Train (in service)
0017 split train
Operational Train (in service)
0018 Parking of vehicle
RU e.g. need to park the train/composition midway for several hours
0019 Mail/parcel services
RU
0020 shunting RU
actual activity of shunting
0021 shunting service
RU Request for shunting service (if offered by the IM or a third party)
0022 Terminal service (terminal in the meaning of final destination) RU
Request for services at the end of a train run (if offered by the IM or a third party)
0023 Loco driver change
RU
0024 Loco driver break
RU legal issue, e.g. to respect working law
0025 Crew change
RU different to loco driver change as for the change of the crew a platform will be needed
0026 Custom and passport facilities RU
0027 Other stop reason (miscellaneous) RU/IM
0028 Boarding only
RU
0029 Disembarking only
RU
0030 Stop on request
RU
0031 Departure equals to arrival time RU
If in some stations only arrival times are published, this activity code may used to indicate that the train cannot continue before the published arrival time in case of an early arrival.
0032 Departure after disembarking RU
mainly used at the end of train run, train may continue as soon as all passengers have disembarked
0033 No waiting for connection RU
0034 Watering RU
Indicates the IM that a track with water access will be needed.
0035 Heating
Indicates the IM that a track with heating equipment will be needed.
0036 Cleaning / disinfecting RU
0037 Treatment on plants and live animals RU
Watering. Foddering. Milking. Spraying. Closing ventilation flaps. Opening ventilation flaps
0038 Treatment of perishable goods RU
Checking the temperature. Re-icing. Heating. Checking the proper functioning of the mechanical refrigeration equipment. Refuelling machinery. Switching machinery on or off
0039 Administrative operations RU
Weighing. Re-forwarding. Submission to phytosanitary inspections
0040 Run Through (Passing Time) IM
0041 Photo run-by / Photo-stop
0042 Train Waiting
Waiting according to local rules
0043 Train running with another train RU
Where trains have been attached at a previous location on the schedule
0044 Dependency between trains (rolling stock). The same wagon/train/trainset is used for the next train service. RU
0045 Dependency between trains (rolling stock). The same wagon/train/trainset is reused from the previous train service. RU
0046 Dependency between trains (passengers/goods). Passengers/goods change from this train to another. RU
0047 Dependency between trains (passengers/goods). Passengers/goods change from another train to this train. RU
0048 Linkage of OTNs belonging to the same transport if no TrainID is present
0049 Loco battery charging

National / company codes:

Examples:
Numbers 00 to 99 may be used by an IM for Network national purposes, just adding ISO country code
C201 Stops from new stop opening day
UKSS Stop shorter than 1/2 min
I772 Train report stop cancelled

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	complexType **TrainActivityType**
facets	Kind Value Annotation minLength 4 maxLength 4
annotation	documentation Indicates certain treatments or operations required for a train. If national codes are used, the first 2 position will be the ISO country code, followed by 00-99. 0001 Commercial stop RU Board/disembark passenger train, load/unload freight train 0002 Operational stop IM Stops needed by the IM (e.g. overpassing by another train) 0003 Service stop RU/IM Stops which are used for non-commercial activities (e.g. boarding of staff) 0004 System stop RU/IM allowing the RU to change a system (e.g. signalling system, safety system) 0005 Reversing stop RU/IM stop to enable train unit to run in the opposite direction (without change of engine) 0006 Stops for reversing move or driver change ends RU stop to enable train unit to run in the opposite direction (with using another engine at the other end of the train and change of driver) 0007 Stops for locomotive to run round train RU stop to enable train unit to run in the opposite direction (with using the same engine at the other end of the train) 0008 Technical check/inspection coaches/wagons RU/IM e.g. at origin or intermediate station: brake test, checking load 0009 Change gauge RU/IM continuation on a network with a different gauge with change of bogies or adaptation of the axles (F->E, SVE->FI) 0010 attach engine/unit RU Unit not previously in service 0011 detach engine/unit RU Unit no longer in service 0012 change engine RU 0013 attach coach/wagonRU 0014 detach coach/wagon RU 0015 attach and detach coach/wagon RU 0016 attach train Operational Train (in service) 0017 split train Operational Train (in service) 0018 Parking of vehicle RU e.g. need to park the train/composition midway for several hours 0019 Mail/parcel services RU 0020 shunting RU actual activity of shunting 0021 shunting service RU Request for shunting service (if offered by the IM or a third party) 0022 Terminal service (terminal in the meaning of final destination) RU Request for services at the end of a train run (if offered by the IM or a third party) 0023 Loco driver change RU 0024 Loco driver break RU legal issue, e.g. to respect working law 0025 Crew change RU different to loco driver change as for the change of the crew a platform will be needed 0026 Custom and passport facilities RU 0027 Other stop reason (miscellaneous) RU/IM 0028 Boarding only RU 0029 Disembarking only RU 0030 Stop on request RU 0031 Departure equals to arrival time RU If in some stations only arrival times are published, this activity code may used to indicate that the train cannot continue before the published arrival time in case of an early arrival. 0032 Departure after disembarking RU mainly used at the end of train run, train may continue as soon as all passengers have disembarked 0033 No waiting for connection RU 0034 Watering RU Indicates the IM that a track with water access will be needed. 0035 Heating Indicates the IM that a track with heating equipment will be needed. 0036 Cleaning / disinfecting RU

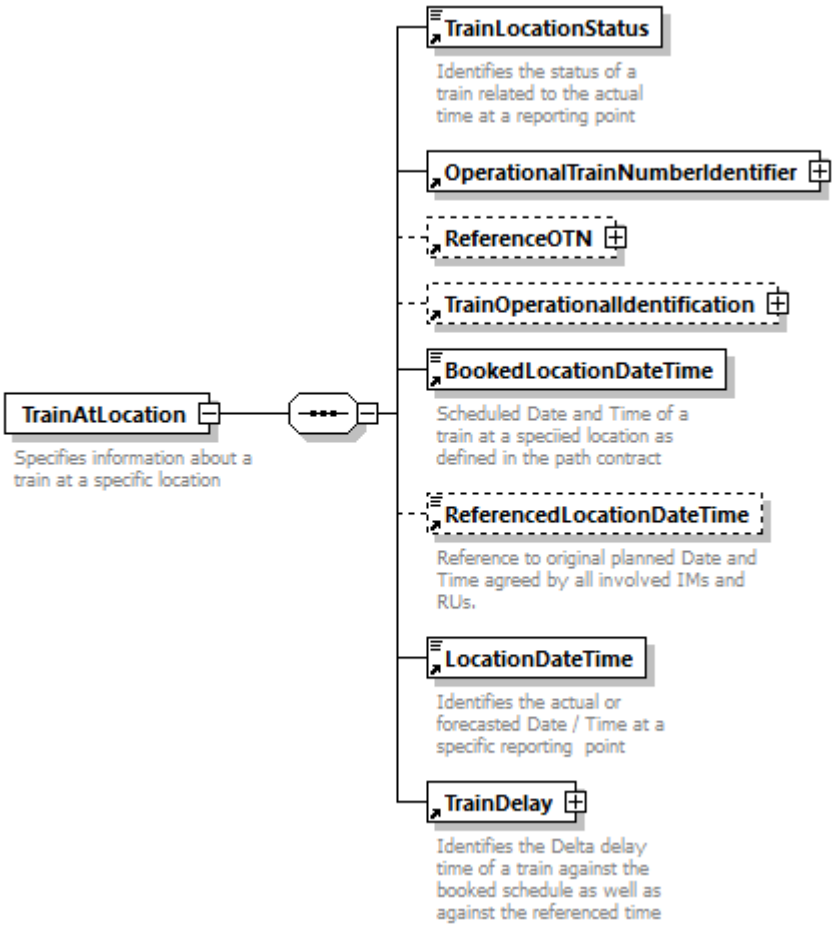
	0037 Treatment on plants and live animals RU Watering, Foddering, Milking, Spraying, Closing ventilation flaps, Opening ventilation flaps 0038 Treatment of perishable goods RU Checking the temperature, Re-icing, Heating, Checking the proper functioning of the mechanical refrigeration equipment, Refuelling machinery, Switching machinery on or off 0039 Administrative operations RU Weighing, Re-forwarding, Submission to phytosanitary inspections 0040 Run Through (Passing Time) IM 0041 Photo run-by / Photo-stop 0042 Train Waiting Waiting according to local rules 0043 Train running with another train RU Where trains have been attached at a previous location on the schedule 0044 Dependency between trains (rolling stock). The same wagon/train/trainset is used for the next train service. RU 0045 Dependency between trains (rolling stock). The same wagon/train/trainset is reused from the previous train service. RU 0046 Dependency between trains (passengers/goods). Passengers/goods change from this train to another. RU 0047 Dependency between trains (passengers/goods). Passengers/goods change from another train to this train. RU 0048 Linkage of OTNs belonging to the same transport if no TrainID is present 0049 Loco battery charging National / company codes: Examples: Numbers 00 to 99 may be used by an IM for Network national purposes, just adding ISO country code CZ01 Stops from new stop opening day UK55 Stop shorter than 1/2 min IT72 Train report stop cancelled
source	<xs:element name="TrainActivityType"> <xs:annotation> <xs:documentation>Indicates certain treatments or operations required for a train. If national codes are used, the first 2 position will be the ISO country code, followed by 00-99. 0001 Commercial stop RU Board/disembark passenger train, load/unload freight train 0002 Operational stop IM Stops needed by the IM (e.g. overpassing by another train) 0003 Service stop RU/IM Stops which are used for non-commercial activities (e.g. boarding of staff) 0004 System stop RU/IM allowing the RU to change a system (e.g. signalling system, safety system) 0005 Reversing stop RU/IM stop to enable train unit to run in the opposite direction (without change of engine) 0006 Stops for reversing move or driver change ends RU stop to enable train unit to run in the opposite direction (with using another engine at the other end of the train and change of driver) 0007 Stops for locomotive to run round train RU stop to enable train unit to run in the opposite direction (with using the same engine at the other end of the train) 0008 Technical check/inspection coaches/wagons RU/IM e.g. at origin or intermediate station: brake test, checking load 0009 Change gauge RU/IM continuation on a network with a different gauge with change of bogies or adaptation of the axles (F->E, SVE->FI) 0010 attach engine/unit RU Unit not previously in service 0011 detach engine/unit RU Unit no longer in service 0012 change engineRU 0013 attach coach/wagon RU

	0014 detach coach/wagon RU 0015 attach and detach coach/wagon RU 0016 attach train Operational Train (in service) 0017 split train Operational Train (in service) 0018 Parking of vehicle RU e.g. need to park the train/composition midway for several hours 0019 Mail/parcel services RU 0020 shunting RU actual activity of shunting 0021 shunting service RU Request for shunting service (if offered by the IM or a third party) 0022 Terminal service (terminal in the meaning of final destination) RU Request for services at the end of a train run (if offered by the IM or a third party) 0023 Loco driver change RU 0024 Loco driver break RU legal issue, e.g. to respect working law 0025 Crew change RU different to loco driver change as for the change of the crew a platform will be needed 0026 Custom and passport facilities RU 0027 Other stop reason (miscellaneous) RU/IM 0028 Boarding onlyRU 0029 Disembarking only RU 0030 Stop on request RU 0031 Departure equals to arrival time RU If in some stations only arrival times are published, this activity code may used to indicate that the train cannot continue before the published arrival time in case of an early arrival. 0032 Departure after disembarking RU mainly used at the end of train run, train may continue as soon as all passengers have disembarked 0033 No waiting for connection RU 0034 Watering RU Indicates the IM that a track with water access will be needed. 0035 Heating Indicates the IM that a track with heating equipment will be needed. 0036 Cleaning / disinfecting RU 0037 Treatment on plants and live animals RU Watering, Foddering, Milking, Spraying, Closing ventilation flaps, Opening ventilation flaps 0038 Treatment of perishable goods RU Checking the temperature, Re-icing, Heating, Checking the proper functioning of the mechanical refrigeration equipment, Refuelling machinery, Switching machinery on or off 0039 Administrative operations RU Weighing, Re-forwarding, Submission to phytosanitary inspections 0040 Run Through (Passing Time)IM 0041 Photo run-by / Photo-stop 0042 Train Waiting Waiting according to local rules 0043 Train running with another train RU Where trains have been attached at a previous location on the schedule 0044 Dependency between trains (rolling stock). The same wagon/train/trainset is used for the next train service. RU 0045 Dependency between trains (rolling stock). The same wagon/train/trainset is reused from the previous train service. RU 0046 Dependency between trains (passengers/goods). Passengers/goods change from this train to another. RU 0047 Dependency between trains (passengers/goods). Passengers/goods change from another train to this train. RU 0048 Linkage of OTNs belonging to the same transport if no TrainID is present

```
0049   Loco battery charging

       National / company codes:
       Examples:           Numbers 00 to 99 may be used by an IM for Network national
purposes, just adding ISO country code
CZ01   Stops from new stop opening day
UK55   Stop shorter than 1/2 min
IT72   Train report stop cancelled
</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="4"/>
      <xs:maxLength value="4"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TrainAtLocation**

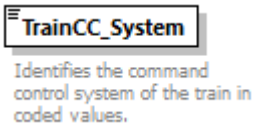
diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex

children	**TrainLocationStatus** **OperationalTrainNumberIdentifier** **ReferenceOTN** **TrainOperationalIdentification** **BookedLocationDateTime** **ReferencedLocationDateTime** **LocationDateTime** **TrainDelay**
used by	element **TrainForecastAtReportingLocationMessage**
annotation	documentation Specifies information about a train at a specific location
source	<xs:element name="TrainAtLocation"> <xs:annotation> <xs:documentation>Specifies information about a train at a specific location</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="TrainLocationStatus"/> <xs:element ref="OperationalTrainNumberIdentifier"/> <xs:element ref="ReferenceOTN" minOccurs="0"/> <xs:element ref="TrainOperationalIdentification" minOccurs="0"/> <xs:element ref="BookedLocationDateTime"/> <xs:element ref="ReferencedLocationDateTime" minOccurs="0"/> <xs:element ref="LocationDateTime"/> <xs:element ref="TrainDelay"/> </xs:sequence> </xs:complexType> </xs:element>

element **TrainCC_System**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**TrainCC_SystemCode**
properties	content simple
used by	elements **PassengerTrainData** **PlannedTrainTechnicalData** **TrainRunningTechData**
facets	Kind Value Annotation enumeration 01 enumeration 02 enumeration 03 enumeration 04 enumeration 05 enumeration 06 enumeration 07 enumeration 08 enumeration 09 enumeration 10 enumeration 11 enumeration 12

	enumeration 13 enumeration 14 enumeration 15 enumeration 16 enumeration 17 enumeration 18 enumeration 19 enumeration 20 enumeration 21 enumeration 22 enumeration 23 enumeration 24 enumeration 25 enumeration 26 enumeration 27 enumeration 28 enumeration 29 enumeration 30 enumeration 31 enumeration 32 enumeration 33 enumeration 34 enumeration 35 enumeration 36 enumeration 37 enumeration 38 enumeration 39 enumeration 40 enumeration 41 enumeration 42 enumeration 43 enumeration 44 enumeration 45 enumeration 46 enumeration 47 enumeration 48 enumeration 49 enumeration 50 enumeration 51 enumeration 52 enumeration 53 enumeration 54
annotation	documentation Identifies the command control system of the train in coded values.
source	`<xs:element name="TrainCC_System" type="TrainCC_SystemCode">` `  <xs:annotation>`

```
    <xs:documentation>Identifies the command control system of the train in coded values.</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **TrainCompositionJourneySection**

diagram

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**JourneySection** **TrainRunningData** **LocoIdent** **LivestockOrPeopleIndicator** **WagonData**
used by	element **TrainCompositionMessage**
annotation	documentation Defines the make up of a train for each section of its journey

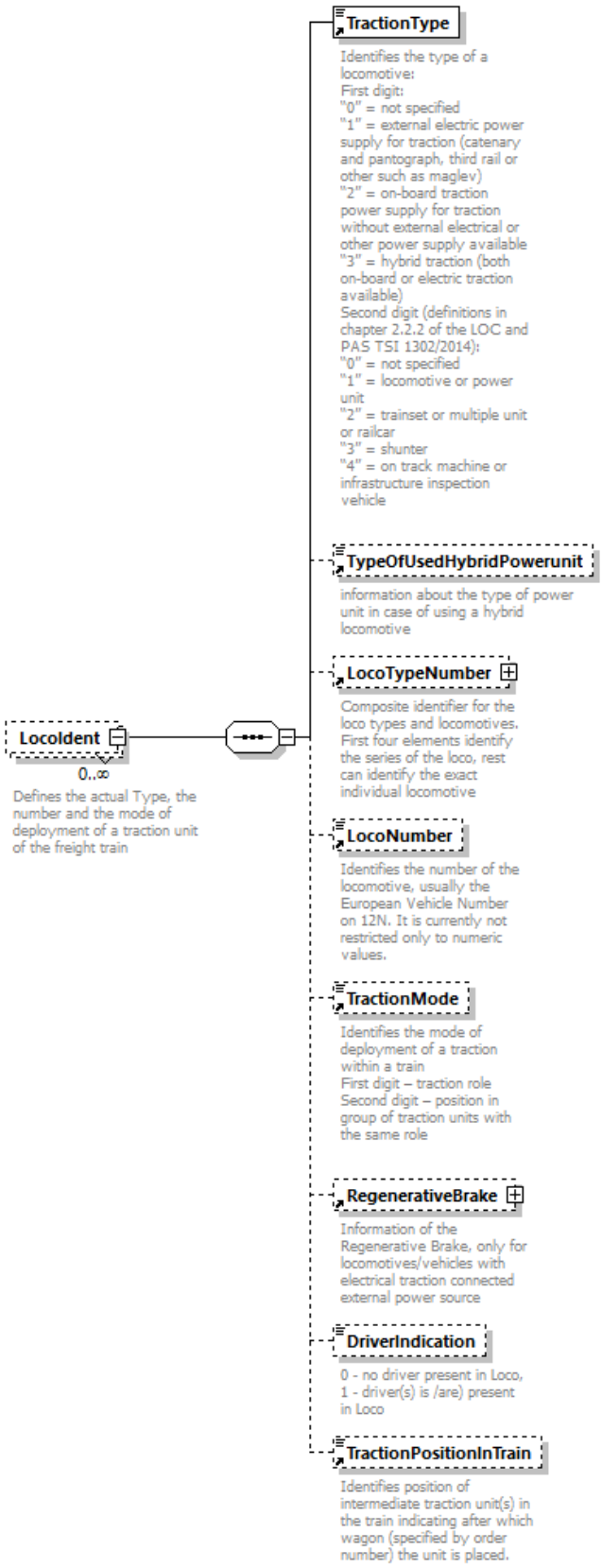
source

```
<xs:element name="TrainCompositionJourneySection">
  <xs:annotation>
    <xs:documentation>Defines the make up of a train for each section of its journey</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="JourneySection"/>
```

```
      <xs:element ref="TrainRunningData"/>
      <xs:element name="LocoIdent" minOccurs="0" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>Defines the actual Type, the number and the mode of
deployment of a traction unit of the freight train</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="TractionType"/>
            <xs:element ref="TypeOfUsedHybridPowerunit" minOccurs="0"/>
            <xs:element ref="LocoTypeNumber" minOccurs="0"/>
            <xs:element ref="LocoNumber" minOccurs="0"/>
            <xs:element ref="TractionMode" minOccurs="0"/>
            <xs:element ref="RegenerativeBrake" minOccurs="0"/>
            <xs:element name="DriverIndication" minOccurs="0">
              <xs:annotation>
                <xs:documentation>0 - no driver present in Loco, 1 - driver(s) is
/are) present in Loco</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:integer">
                  <xs:enumeration value="0"/>
                  <xs:enumeration value="1"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element ref="TractionPositionInTrain" minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element ref="LivestockOrPeopleIndicator" minOccurs="0" maxOccurs="1"/>
      <xs:element ref="WagonData" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainCompositionJourneySection/LocoIdent**

diagram

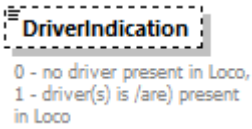


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc unbounded content complex
children	**TractionType** **TypeOfUsedHybridPowerunit** **LocoTypeNumber** **LocoNumber** **TractionMode** **RegenerativeBrake** **DriverIndication** **TractionPositionInTrain**
annotation	documentation Defines the actual Type, the number and the mode of deployment of a traction unit of the freight train

source

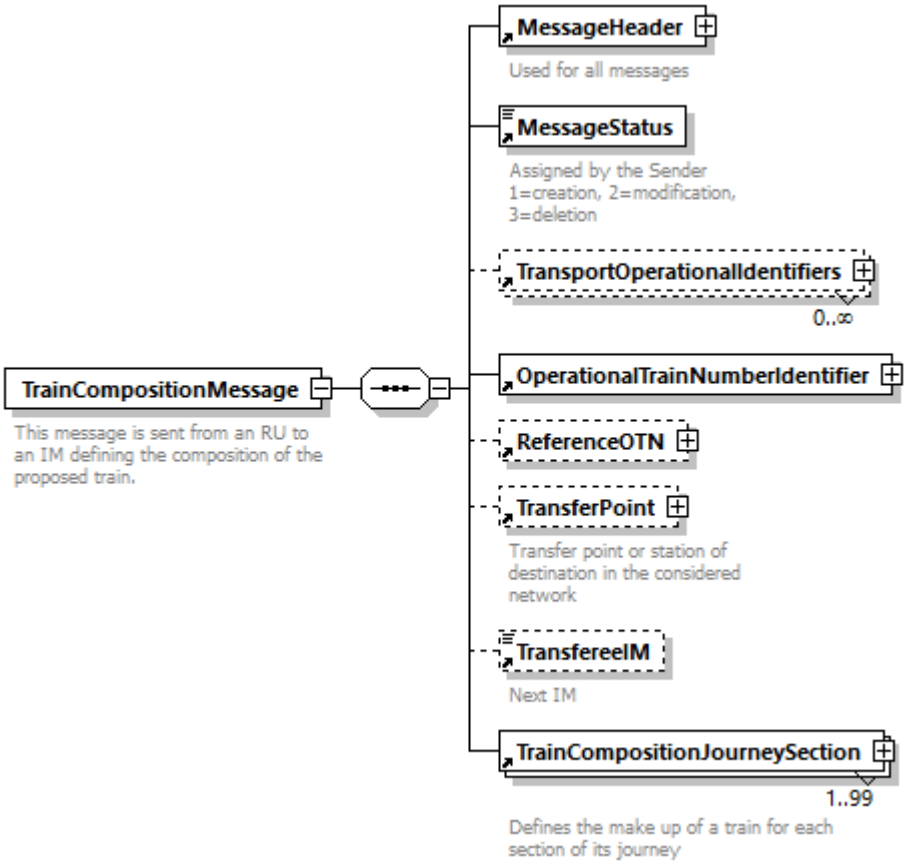
```
<xs:element name="LocoIdent" minOccurs="0" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>Defines the actual Type, the number and the mode of deployment
of a traction unit of the freight train</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="TractionType"/>
      <xs:element ref="TypeOfUsedHybridPowerunit" minOccurs="0"/>
      <xs:element ref="LocoTypeNumber" minOccurs="0"/>
      <xs:element ref="LocoNumber" minOccurs="0"/>
      <xs:element ref="TractionMode" minOccurs="0"/>
      <xs:element ref="RegenerativeBrake" minOccurs="0"/>
      <xs:element name="DriverIndication" minOccurs="0">
        <xs:annotation>
          <xs:documentation>0 - no driver present in Loco, 1 - driver(s) is /are)
present in Loco</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:integer">
            <xs:enumeration value="0"/>
            <xs:enumeration value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="TractionPositionInTrain" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainCompositionJourneySection/LocoIdent/DriverIndication**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	minOcc 0 maxOcc 1 content simple
used by	element **UnitData**

facets	Kind / Value / Annotation enumeration 0 enumeration 1
annotation	documentation 0 - no driver present in Loco, 1 - driver(s) is /are) present in Loco
source	<xs:element name="DriverIndication" minOccurs="0"> <xs:annotation> <xs:documentation>0 - no driver present in Loco, 1 - driver(s) is /are) present in Loco</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> </xs:restriction> </xs:simpleType> </xs:element>

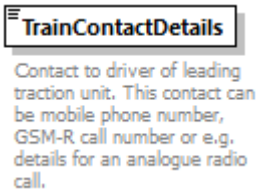
element **TrainCompositionMessage**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	MessageHeader MessageStatus TransportOperationalIdentifiers OperationalTrainNumberIdentifier ReferenceOTN

	TransferPoint **TransfereeIM** **TrainCompositionJourneySection**
annotation	documentation This message is sent from an RU to an IM defining the composition of the proposed train.

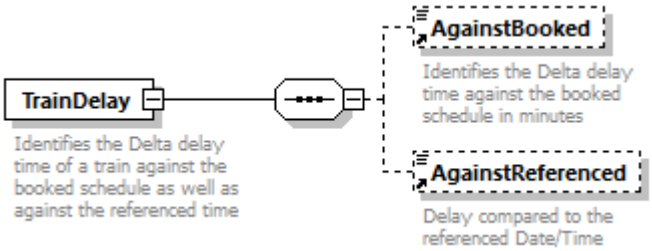
source	`<xs:element name="TrainCompositionMessage">`
	`  <xs:annotation>`
	`  <xs:documentation>This message is sent from an RU to an IM defining the composition of the proposed train.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="MessageHeader"/>`
	`  <xs:element ref="MessageStatus"/>`
	`  <xs:element ref="TransportOperationalIdentifiers" minOccurs="0" maxOccurs="unbounded"/>`
	`  <xs:element ref="OperationalTrainNumberIdentifier"/>`
	`  <xs:element ref="ReferenceOTN" minOccurs="0"/>`
	`  <xs:element ref="TransferPoint" minOccurs="0"/>`
	`  <xs:element ref="TransfereeIM" minOccurs="0"/>`
	`  <xs:element ref="TrainCompositionJourneySection" maxOccurs="99"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **TrainContactDetails**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CommunicationRefID**
properties	content simple
used by	element **TrainReadyMessage**
facets	Kind Value Annotation minLength 1 maxLength 70
annotation	documentation Contact to driver of leading traction unit. This contact can be mobile phone number, GSM-R call number or e.g. details for an analogue radio call.

source	`<xs:element name="TrainContactDetails" type="CommunicationRefID">`
	`  <xs:annotation>`
	`  <xs:documentation>Contact to driver of leading traction unit. This contact can be mobile phone number, GSM-R call number or e.g. details for an analogue radio call.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TrainDelay**

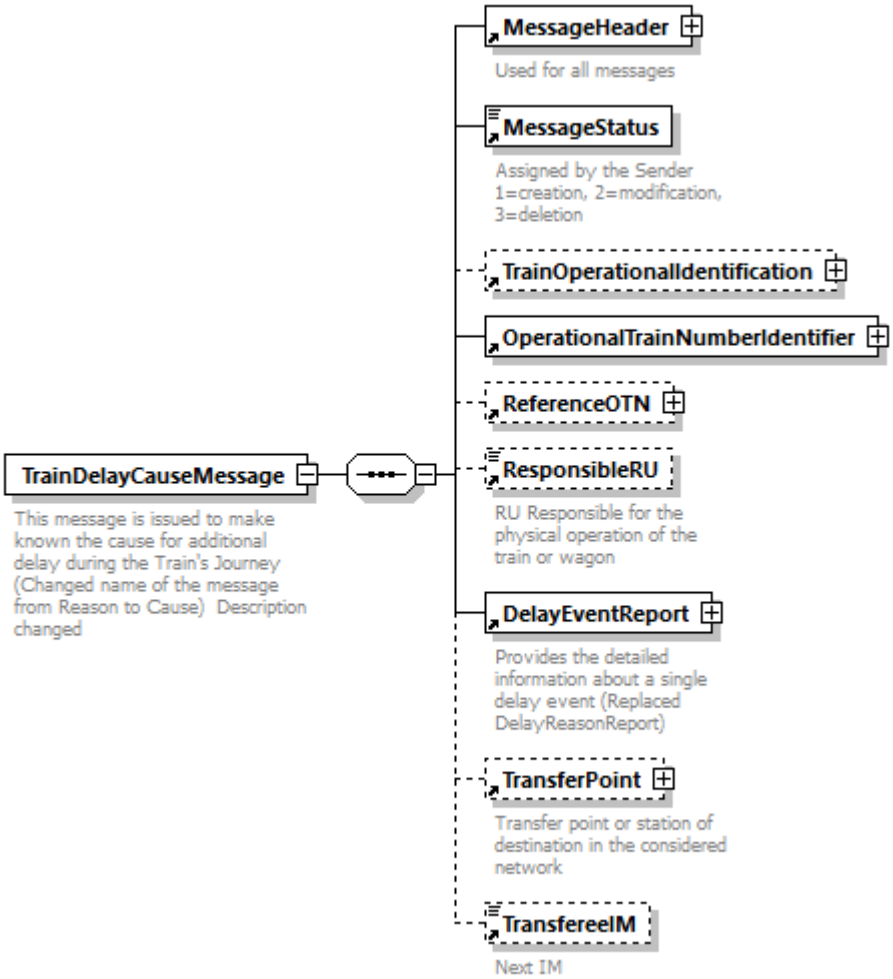
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**AgainstBooked** **AgainstReferenced**
used by	elements **TrainAtLocation** **TrainLocationReport** **TrainReadyMessage/TrainReadyStatus** **TrainReadyStatus**
annotation	documentation Identifies the Delta delay time of a train against the booked schedule as well as against the referenced time

source

```
<xs:element name="TrainDelay">
  <xs:annotation>
    <xs:documentation>Identifies the Delta delay time of a train against the booked
schedule as well as against the referenced time </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="AgainstBooked" minOccurs="0"/>
      <xs:element ref="AgainstReferenced" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Delay compared to the referenced
Date/Time</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainDelayCauseMessage**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **MessageStatus** **TrainOperationalIdentification** **OperationalTrainNumberIdentifier** **ReferenceOTN** **ResponsibleRU** **DelayEventReport** **TransferPoint** **TransfereeIM**
annotation	documentation This message is issued to make known the cause for additional delay during the Train's Journey (Changed name of the message from Reason to Cause) Description changed

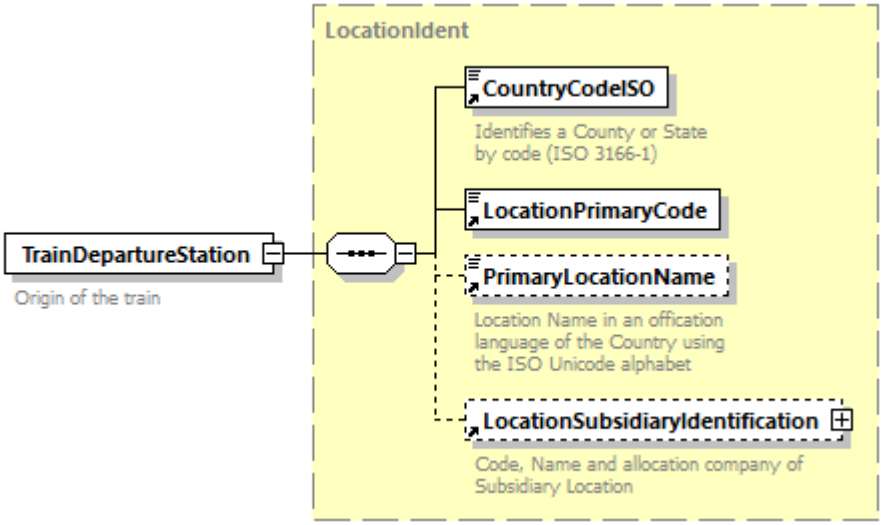
source

```
<xs:element name="TrainDelayCauseMessage">
  <xs:annotation>
    <xs:documentation>This message is issued to make known the cause for additional
delay during the Train's Journey (Changed name of the message from Reason to Cause)
Description changed </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="MessageStatus"/>
      <xs:element ref="TrainOperationalIdentification" minOccurs="0"/>
      <xs:element ref="OperationalTrainNumberIdentifier"/>
```

```
      <xs:element ref="ReferenceOTN" minOccurs="0"/>
      <xs:element ref="ResponsibleRU" minOccurs="0"/>
      <xs:element ref="DelayEventReport"/>
      <xs:element ref="TransferPoint" minOccurs="0"/>
      <xs:element ref="TransfereeIM" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainDepartureStation**

diagram

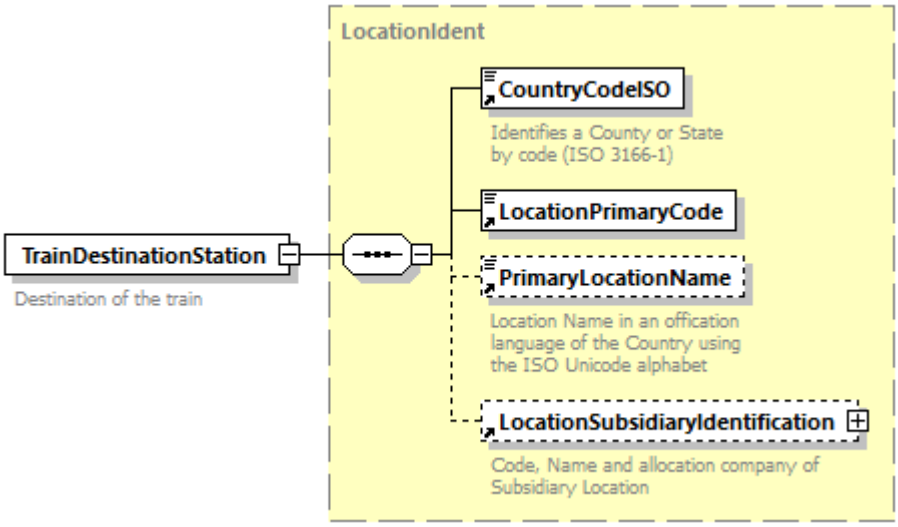


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	element **PassengerTrainCompositionMessage**
annotation	documentation Origin of the train

source

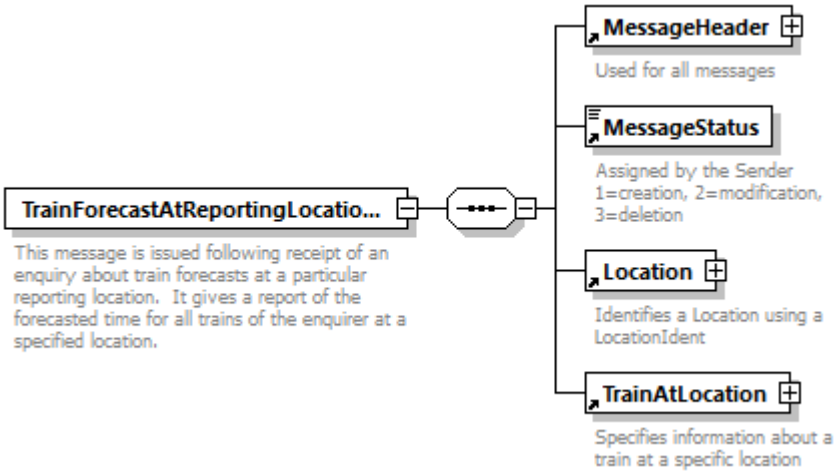
```
<xs:element name="TrainDepartureStation" type="LocationIdent">
  <xs:annotation>
    <xs:documentation>Origin of the train</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **TrainDestinationStation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	element **PassengerTrainCompositionMessage**
annotation	documentation Destination of the train

source	`<xs:element name="TrainDestinationStation" type="LocationIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>Destination of the train</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TrainForecastAtReportingLocationMessage**

diagram	

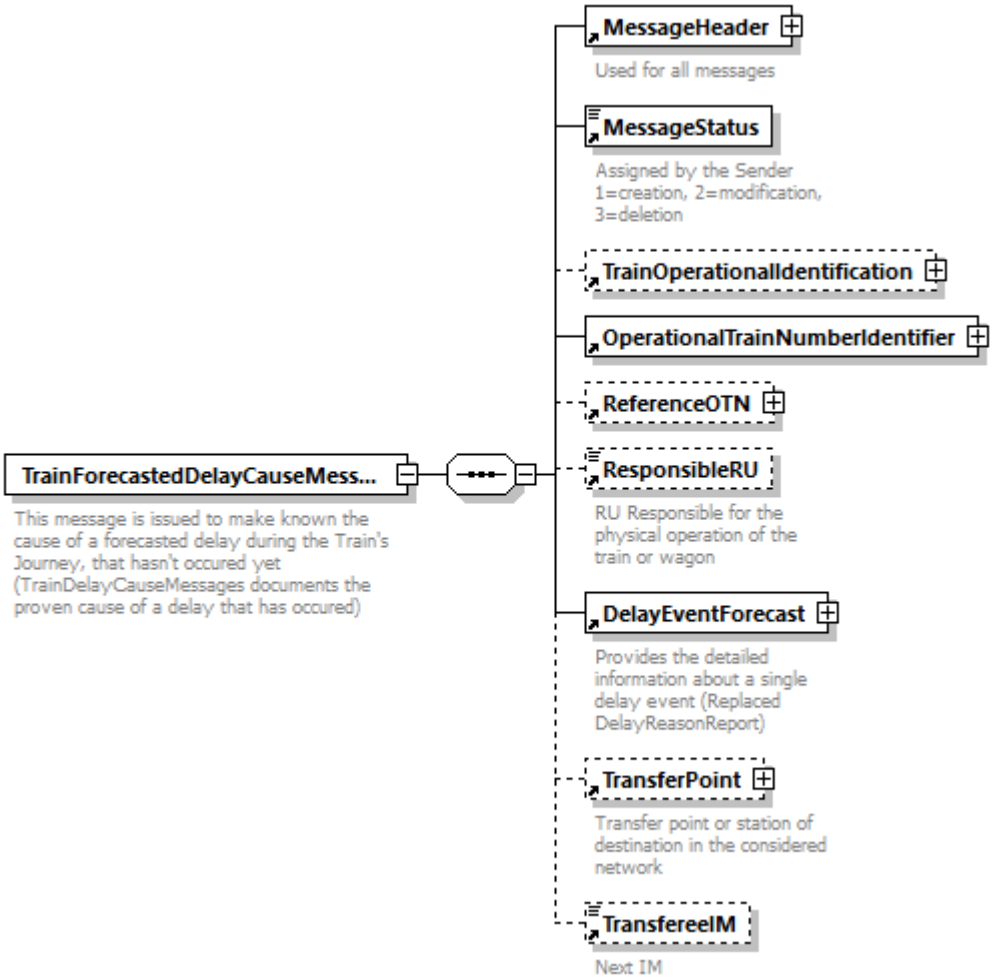
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **MessageStatus** **Location** **TrainAtLocation**
annotation	documentation This message is issued following receipt of an enquiry about train forecasts at a particular reporting location. It gives a report of the forecasted time for all trains of the enquirer at a specified location.

source

```
<xs:element name="TrainForecastAtReportingLocationMessage">
  <xs:annotation>
    <xs:documentation>This message is issued following receipt of an enquiry about
train forecasts at a particular reporting location.  It gives a report of the
forecasted time for all trains of the enquirer at a specified location.
</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="MessageStatus"/>
      <xs:element ref="Location"/>
      <xs:element ref="TrainAtLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainForecastedDelayCauseMessage**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **MessageStatus** **TrainOperationalIdentification** **OperationalTrainNumberIdentifier** **ReferenceOTN** **ResponsibleRU** **DelayEventForecast** **TransferPoint** **TransfereeIM**
annotation	documentation This message is issued to make known the cause of a forecasted delay during the Train's Journey, that hasn't occured yet (TrainDelayCauseMessages documents the proven cause of a delay that has occured)

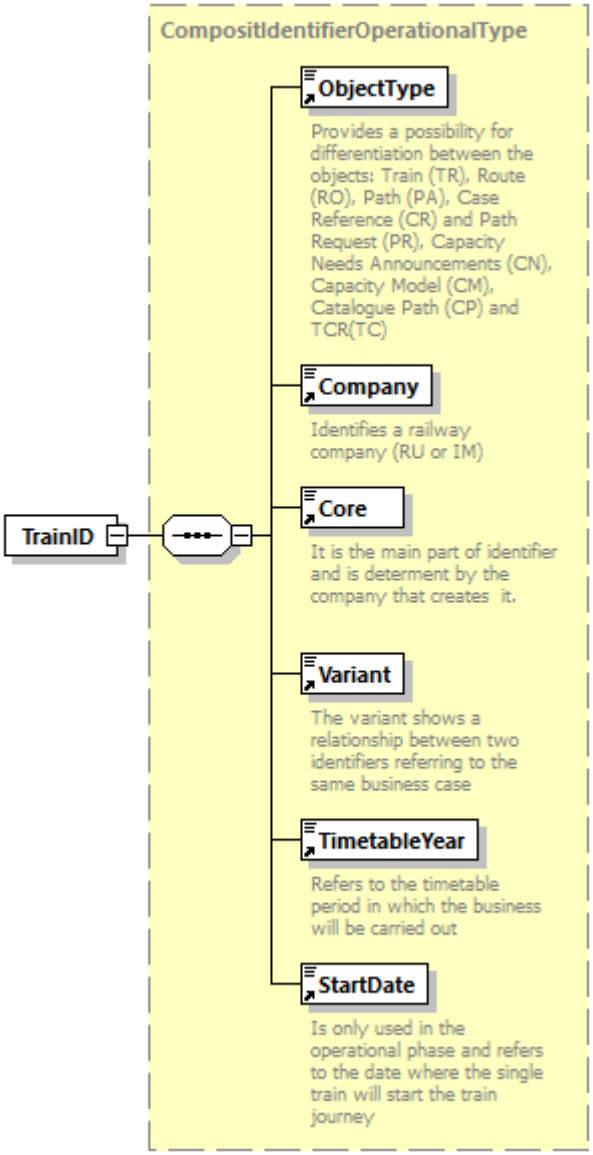
source

```
<xs:element name="TrainForecastedDelayCauseMessage">
  <xs:annotation>
    <xs:documentation>This message is issued to make known the cause of a forecasted
delay during the Train's Journey, that hasn't occured yet (TrainDelayCauseMessages
documents the proven cause of a delay that has occured) </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="MessageStatus"/>
      <xs:element ref="TrainOperationalIdentification" minOccurs="0"/>
      <xs:element ref="OperationalTrainNumberIdentifier"/>
```

```
      <xs:element ref="ReferenceOTN" minOccurs="0"/>
      <xs:element ref="ResponsibleRU" minOccurs="0"/>
      <xs:element ref="DelayEventForecast"/>
      <xs:element ref="TransferPoint" minOccurs="0"/>
      <xs:element ref="TransfereeIM" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainID**

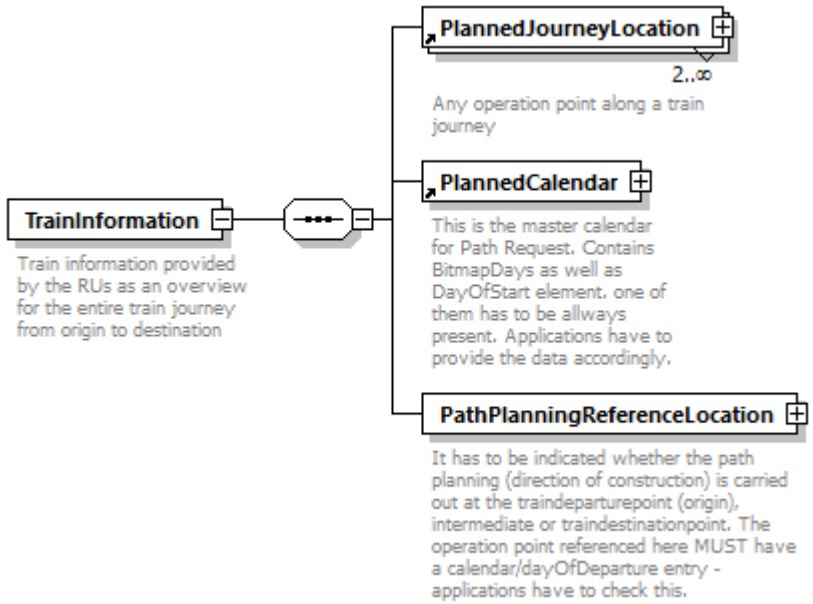
diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompositIdentifierOperationalType**
properties	content complex

children	**ObjectType** **Company** **Core** **Variant** **TimetableYear** **StartDate**
used by	elements **ArrivalInterchangeReport** **DepartureInterchangeReport** **WagonInterchangeNoticeMessage** **WagonInterchangeSubNoticeMessage**
source	`<xs:element name="TrainID" type="CompositIdentifierOperationalType"/>`

element **TrainInformation**

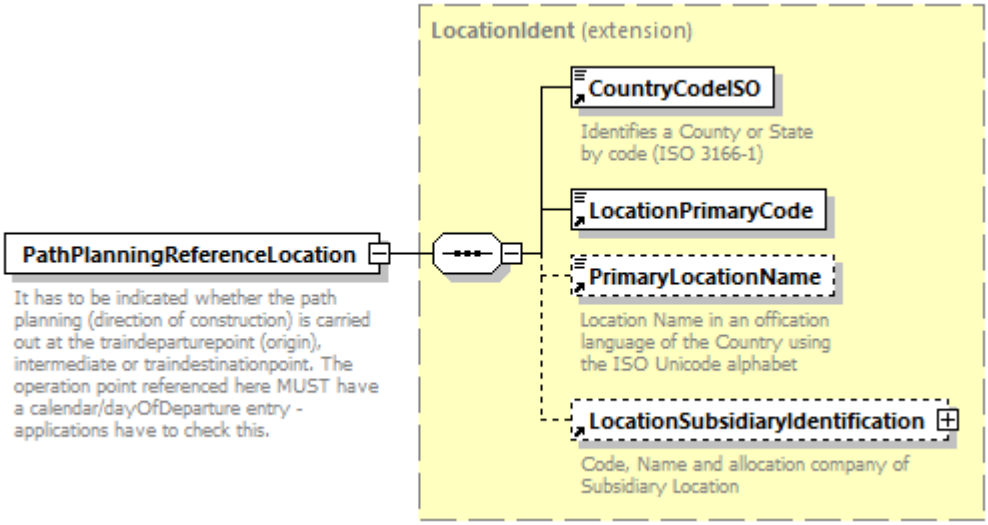
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**PlannedJourneyLocation** **PlannedCalendar** **PathPlanningReferenceLocation**
used by	elements **UpdateLinkMessage/Operation** **PathCoordinationMessage** **PathRequestMessage** **ObjectInfoMessage/TrainInformationExtended**
annotation	documentation Train information provided by the RUs as an overview for the entire train journey from origin to destination

```
<xs:element name="TrainInformation">
  <xs:annotation>
    <xs:documentation>Train information provided by the RUs as an overview for the
entire train journey from origin to destination</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="PlannedJourneyLocation" minOccurs="2"
maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>Any operation point along a train
journey</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="PlannedCalendar">
        <xs:annotation>
          <xs:documentation>This is the master calendar for Path Request. Contains
```

```
BitmapDays as well as DayOfStart element. one of them has to be allways present.
Applications have to provide the data accordingly. </xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="PathPlanningReferenceLocation">
        <xs:annotation>
          <xs:documentation>It has to be indicated whether the path planning
(direction of construction) is carried out at the traindeparturepoint (origin),
intermediate or traindestinationpoint. The operation point referenced here MUST have
a calendar/dayOfDeparture entry - applications have to check
this.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:complexContent>
            <xs:extension base="LocationIdent"/>
          </xs:complexContent>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainInformation/PathPlanningReferenceLocation**

diagram

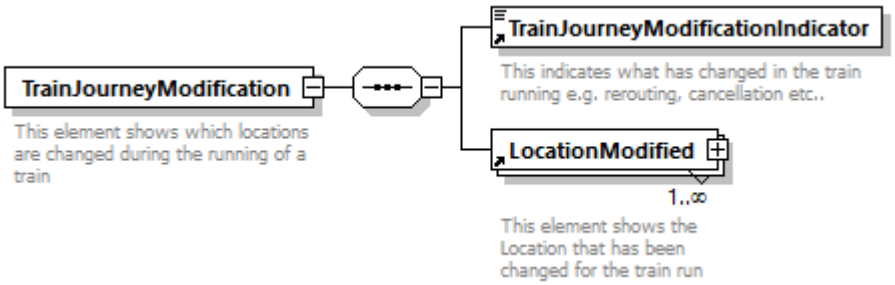


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation It has to be indicated whether the path planning (direction of construction) is carried out at the traindeparturepoint (origin), intermediate or traindestinationpoint. The operation point referenced here MUST have a calendar/dayOfDeparture entry - applications have to check this.
source	`<xs:element name="PathPlanningReferenceLocation">` `  <xs:annotation>`

```
    <xs:documentation>It has to be indicated whether the path planning (direction of construction) is carried out at the traindeparturepoint (origin), intermediate or traindestinationpoint. The operation point referenced here MUST have a calendar/dayOfDeparture entry - applications have to check this.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="LocationIdent"/>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
```

element **TrainJourneyModification**

diagram



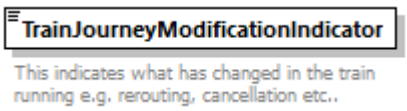
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	TrainJourneyModificationIndicator LocationModified
used by	element TrainJourneyModificationMessage
annotation	documentation This element shows which locations are changed during the running of a train

source

```
<xs:element name="TrainJourneyModification">
  <xs:annotation>
    <xs:documentation>This element shows which locations are changed during the running of a train</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="TrainJourneyModificationIndicator"/>
      <xs:element ref="LocationModified" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

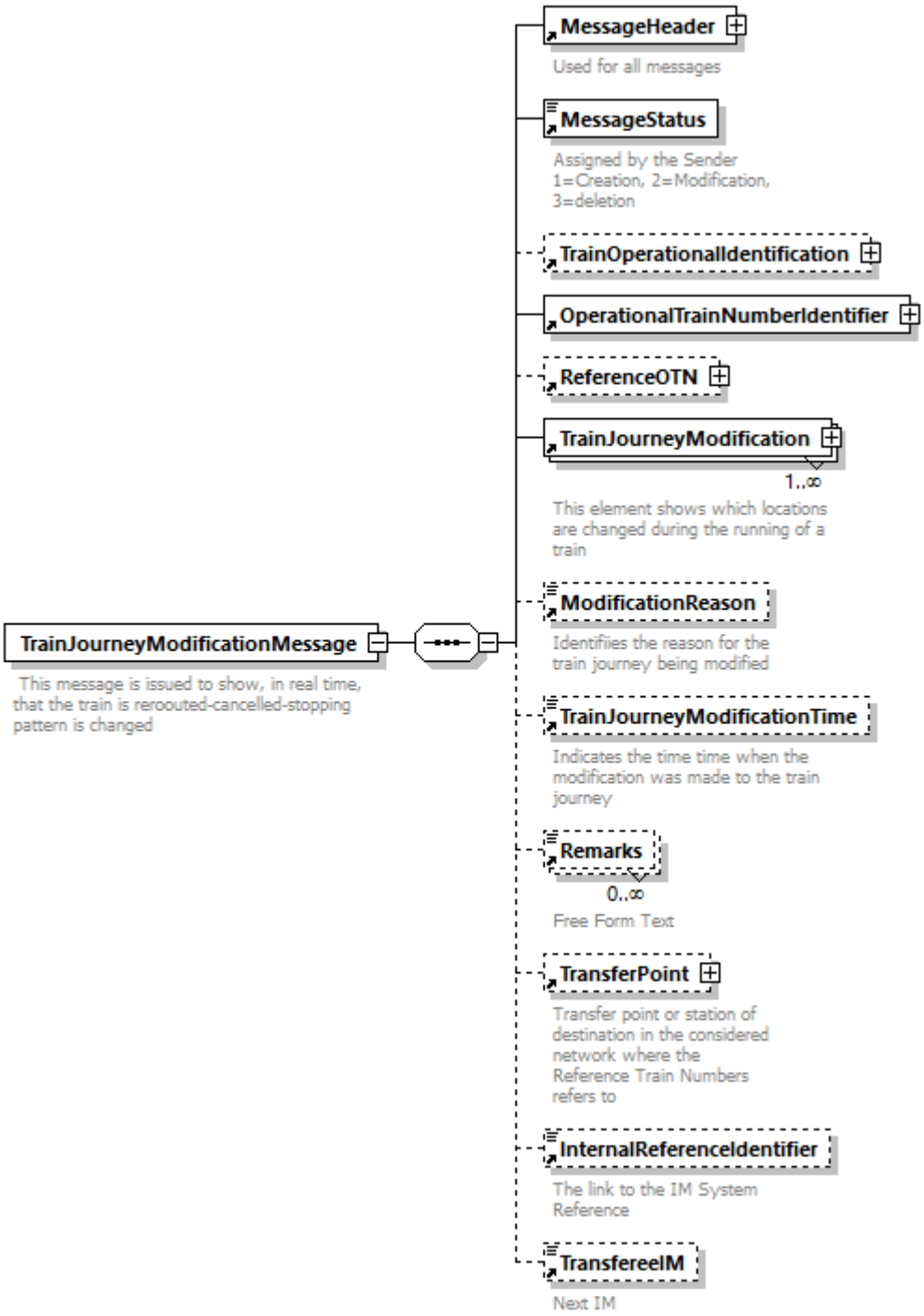
element **TrainJourneyModificationIndicator**

diagram



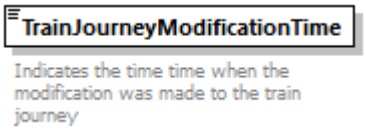
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	element **TrainJourneyModification**
facets	Kind Value Annotation minInclusive 1 maxInclusive 99
annotation	documentation This indicates what has changed in the train running e.g. rerouting, cancellation etc..
source	<xs:element name="TrainJourneyModificationIndicator"> <xs:annotation> <xs:documentation>This indicates what has changed in the train running e.g. rerouting, cancellation etc..</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="99"/> </xs:restriction> </xs:simpleType> </xs:element>

element **TrainJourneyModificationMessage**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **MessageStatus** **TrainOperationalIdentification** **OperationalTrainNumberIdentifier** **ReferenceOTN** **TrainJourneyModification** **ModificationReason** **TrainJourneyModificationTime** **Remarks** **TransferPoint** **InternalReferenceIdentifier** **TransfereeIM**

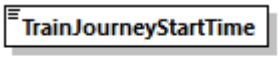
annotation	documentation This message is issued to show, in real time, that the train is reroouted-cancelled-stopping pattern is changed
source	<xs:element name="TrainJourneyModificationMessage"> <xs:annotation> <xs:documentation> This message is issued to show, in real time, that the train is reroouted-cancelled-stopping pattern is changed</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="MessageStatus"> <xs:annotation> <xs:documentation>Assigned by the Sender 1=Creation, 2=Modification, 3=deletion </xs:documentation> </xs:annotation> </xs:element> <xs:element ref="TrainOperationalIdentification" minOccurs="0"/> <xs:element ref="OperationalTrainNumberIdentifier"/> <xs:element ref="ReferenceOTN" minOccurs="0"/> <xs:element ref="TrainJourneyModification" maxOccurs="unbounded"/> <xs:element ref="ModificationReason" minOccurs="0"/> <xs:element ref="TrainJourneyModificationTime" minOccurs="0"/> <xs:element ref="Remarks" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="TransferPoint" minOccurs="0"> <xs:annotation> <xs:documentation>Transfer point or station of destination in the considered network where the Reference Train Numbers refers to </xs:documentation> </xs:annotation> </xs:element> <xs:element ref="InternalReferenceIdentifier" minOccurs="0"/> <xs:element ref="TransfereeIM" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

element **TrainJourneyModificationTime**

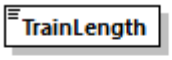
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	element **TrainJourneyModificationMessage**
annotation	documentation Indicates the time time when the modification was made to the train journey
source	<xs:element name="TrainJourneyModificationTime" type="xs:dateTime">\ <xs:annotation> <xs:documentation>Indicates the time time when the modification was made to the

	train journey</xs:documentation> </xs:annotation> </xs:element>

element **TrainJourneyStartTime**

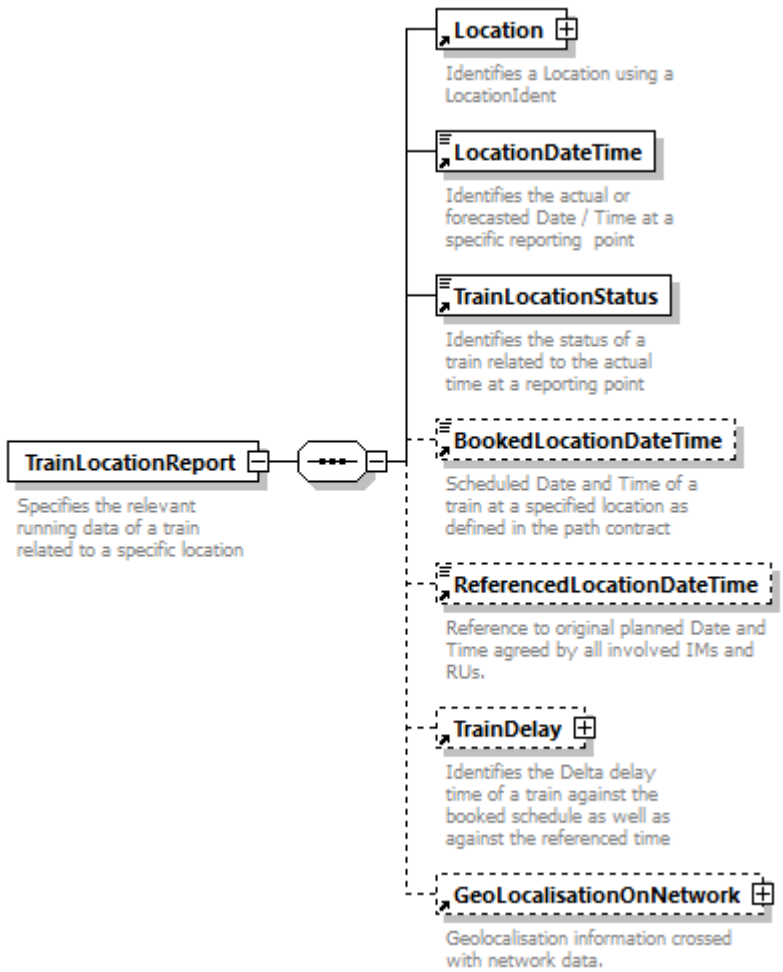
diagram	 The precise time at which the train should present itself on the network
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
annotation	documentation The precise time at which the train should present itself on the network
source	<xs:element name="TrainJourneyStartTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>The precise time at which the train should present itself on the network</xs:documentation> </xs:annotation> </xs:element>

element **TrainLength**

diagram	 The calculated Length of a train (sum of all length over buffer of the wagons and traction units). Expressed in Metres
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Numeric4-4**
properties	content simple
used by	elements **PassengerTrainData** **PlannedTrainTechnicalData** **TechnicalParameters** **TrainRunningTechData**
facets	Kind Value Annotation minInclusive 0001 maxInclusive 9999
annotation	documentation The calculated Length of a train (sum of all length over buffer of the wagons and traction units). Expressed in Metres
source	<xs:element name="TrainLength" type="Numeric4-4"> <xs:annotation> <xs:documentation>The calculated Length of a train (sum of all length over buffer of the wagons and traction units). Expressed in Metres</xs:documentation> </xs:annotation> </xs:element>

element **TrainLocationReport**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Location** **LocationDateTime** **TrainLocationStatus** **BookedLocationDateTime** **ReferencedLocationDateTime** **TrainDelay** **GeoLocalisationOnNetwork**
used by	elements **TrainRunningForecastMessage** **TrainRunningInformationMessage**
annotation	documentation Specifies the relevant running data of a train related to a specific location

source

```
<xs:element name="TrainLocationReport">
  <xs:annotation>
    <xs:documentation>Specifies the relevant running data of a train related to a
specific location</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Location"/>
      <xs:element ref="LocationDateTime"/>
      <xs:element ref="TrainLocationStatus"/>
      <xs:element ref="BookedLocationDateTime" minOccurs="0">
```

```
        <xs:annotation>
          <xs:documentation>Scheduled Date and Time of a train at a specified
location as defined in the path contract</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="ReferencedLocationDateTime" minOccurs="0"/>
      <xs:element ref="TrainDelay" minOccurs="0"/>
      <xs:element ref="GeoLocalisationOnNetwork" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainLocationStatus**

diagram	**TrainLocationStatus** Identifies the status of a train related to the actual time at a reporting point
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**RunningStatus**
properties	content simple
used by	elements **ChangeOfTrackMessage** **DelayEventForecast** **DelayEventReport** **LocationModified** **TrainAtLocation** **TrainLocationReport**

facets

Kind	Value	Annotation
enumeration	00	documentation Not specified
enumeration	01	documentation Arrival at destination
enumeration	02	documentation Departure at origin
enumeration	03	documentation Intermediate arrival
enumeration	04	documentation Intermediate departure
enumeration	05	documentation Pass through
enumeration	06	documentation NEW CODES: Some IMs are transmitting these codes (6 - 9)
enumeration	07	
enumeration	08	
enumeration	09	
enumeration	10	documentation Not specified for wagon
enumeration	11	documentation Wagon arrival at its destination by train
enumeration	12	documentation Wagon departure from its station of origin by train
enumeration	13	documentation Wagon arrival at reporting point by train
enumeration	14	documentation Wagon departure from reporting point by train (HLR)
enumeration	15	documentation Wagon run-through at reporting point by train

	enumeration 16 documentation Wagon parked at reporting point (MAD) enumeration 17 documentation Wagon shunted at reporting point enumeration 18 documentation Wagon arrived at reporting point enumeration 19 documentation Wagon departure from reporting point
annotation	documentation Identifies the status of a train related to the actual time at a reporting point

source	`<xs:element name="TrainLocationStatus" type="RunningStatus">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the status of a train related to the actual time at a reporting point</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TrainMaxSpeed**

diagram	**TrainMaxSpeed** The max. possible speed of a train in km/h
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Speed**
properties	content simple
used by	elements **PassengerTrainData** **PlannedTrainTechnicalData** **TechnicalParameters** **TrainRunningTechData**
facets	Kind Value Annotation minInclusive 001 maxInclusive 999
annotation	documentation The max. possible speed of a train in km/h

source	`<xs:element name="TrainMaxSpeed" type="Speed">`
	`  <xs:annotation>`
	`  <xs:documentation>The max. possible speed of a train in km/h</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

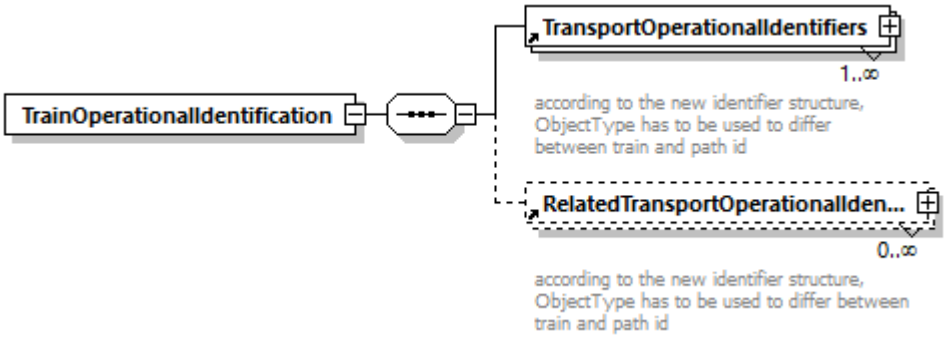
element **TrainNotAtInterruptionPoint**

diagram	**TrainNotAtInterruptionPoint** It is already known that train running might be interrupted in interruption point although the train has not arrived to interruption point yet
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**

properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 1
annotation	documentation It is already known that train running might be interrupted in interruption point although the train has not arrived to interruption point yet

source	`<xs:element name="TrainNotAtInterruptionPoint">`
	`  <xs:annotation>`
	`  <xs:documentation>It is already known that train running might be interrupted in interruption point although the train has not arrived to interruption point yet</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **TrainOperationalIdentification**

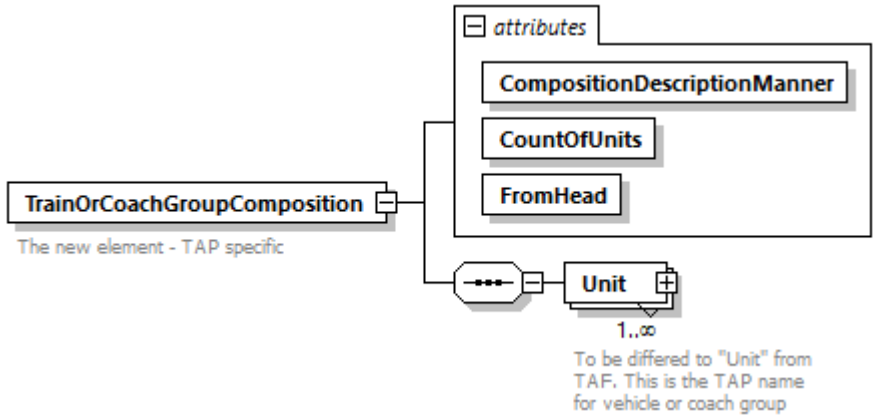
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**TransportOperationalIdentifiers** **RelatedTransportOperationalIdentifiers**
used by	elements **ChangeOfTrackMessage** **RunningStatusReportMessage** **WagonStatusMessages/WagonStatusMessage/Train** **TrainAtLocation** **TrainDelayCauseMessage** **TrainForecastedDelayCauseMessage** **TrainJourneyModificationMessage** **TrainRunningForecastMessage** **TrainRunningInformationMessage** **TrainRunningInterruptionMessage**

source	`<xs:element name="TrainOperationalIdentification">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="TransportOperationalIdentifiers" maxOccurs="unbounded">`
	`  <xs:annotation>`
	`  <xs:documentation>according to the new identifier structure, ObjectType has to be used to differ between train and path id</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`

```
      <xs:element ref="RelatedTransportOperationalIdentifiers" minOccurs="0"
maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>according to the new identifier structure, ObjectType
has to be used to differ between train and path id</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainOrCoachGroupComposition**

diagram



namespace: http://www.era.europa.eu/schemes/TAFTSI/3.5

properties: content complex

children: **Unit**

attributes

Name	Type	Use	Default	Fixed	Annotation
CompositionDescriptionManner	**derived by: xs:string**	required			
CountOfUnits	**xs:integer**	required			
FromHead	**xs:boolean**	required			

annotation

documentation
The new element - TAP specific

source

```
<xs:element name="TrainOrCoachGroupComposition">
  <xs:annotation>
    <xs:documentation>The new element - TAP specific</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Unit" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>To be differed to "Unit" from TAF. This is the TAP name
for vehicle or coach group</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="TypeOfVehicle" minOccurs="0">
```

```
            <xs:annotation>
              <xs:documentation>WG_Gattung</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:minLength value="0"/>
                <xs:maxLength value="50"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="VehicleNumber" minOccurs="0">
            <xs:annotation>
              <xs:documentation>12-character</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:minLength value="0"/>
                <xs:maxLength value="12"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="OrientationOfTrainset" minOccurs="0">
            <xs:annotation>
              <xs:documentation>0-9 number</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:byte">
                <xs:minInclusive value="0"/>
                <xs:maxInclusive value="9"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element ref="Keeper" minOccurs="0"/>
          <xs:element ref="WagonOperationalData" minOccurs="0"/>
          <xs:element ref="WagonTechData" minOccurs="0"/>
          <xs:element name="TypeOfCoupling" minOccurs="0">
            <xs:simpleType>
              <xs:restriction base="xs:integer">
                <xs:minInclusive value="0"/>
                <xs:maxInclusive value="9"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="TypeOfHeating" minOccurs="0">
            <xs:simpleType>
              <xs:restriction base="xs:integer">
                <xs:minInclusive value="0"/>
                <xs:maxInclusive value="9"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element ref="EmergencyBrakeOverride" minOccurs="0"/>
          <xs:element name="Restrictions" minOccurs="0">
            <xs:complexType>
              <xs:sequence>
```

```
                    <xs:element ref="RestrictionsDueToLoadOrDamage"/>
                    <xs:element ref="RestrictionOrProhibition"/>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
              <xs:element name="InternalVehicleFitting" minOccurs="0">
                <xs:annotation>
                  <xs:documentation>It is not clear should it be filled with the coding
list or with the separated elements</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:sequence>
                    <xs:element ref="TypeofService"/>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
              <xs:element name="ItineraryOfCoachOrTrainset" minOccurs="0">
                <xs:complexType>
                  <xs:sequence>
                    <xs:element name="OriginOfVehicle" minOccurs="0">
                      <xs:complexType>
                        <xs:complexContent>
                          <xs:extension base="LocationIdent">
                            <xs:sequence>
                              <xs:element ref="TimingAtLocation"/>
                              <xs:element name="ForwardingRU" type="CompanyCode"/>
                            </xs:sequence>
                          </xs:extension>
                        </xs:complexContent>
                      </xs:complexType>
                    </xs:element>
                    <xs:element name="DestinationOfVehicle" minOccurs="0">
                      <xs:complexType>
                        <xs:complexContent>
                          <xs:extension base="LocationIdent">
                            <xs:sequence>
                              <xs:element ref="TimingAtLocation"/>
                              <xs:element name="FinalRU"/>
                            </xs:sequence>
                          </xs:extension>
                        </xs:complexContent>
                      </xs:complexType>
                    </xs:element>
                    <xs:element name="AssociatedTrain" minOccurs="0"
maxOccurs="unbounded">
                      <xs:complexType>
                        <xs:sequence>
                          <xs:element name="LocationOfChange" type="LocationIdent"
minOccurs="0">
                            <xs:annotation>
                              <xs:documentation>WARNING: I guess, where the unit is
attached to the particular train. Am I right?</xs:documentation>
                            </xs:annotation>
                          </xs:element>
                          <xs:element ref="AssociatedAttachedTrainID"
```

```
minOccurs="0"/>
                        <xs:element ref="AssociatedAttachedOTN" minOccurs="0"/>
                        <xs:element ref="ReferenceOTN" minOccurs="0"/>
                        <xs:element ref="TransferPoint" minOccurs="0"/>
                        <xs:element ref="TransfereeIM" minOccurs="0"/>
                        <xs:element name="RetailServiceID" minOccurs="0">
                          <xs:annotation>
                            <xs:documentation>Unknown type!!!</xs:documentation>
                          </xs:annotation>
                        </xs:element>
                      </xs:sequence>
                    </xs:complexType>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <!-- Sector CR 221 adaptation: cardinality changed -->
            <xs:element ref="CoachOrTrainsetCommercialData" minOccurs="0"
maxOccurs="unbounded"/>
            <!-- Sector CR 221 adaptation end -->
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
    <xs:attribute name="CompositionDescriptionManner" use="required">
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="coach"/>
          <xs:enumeration value="vehicle_in_trainset"/>
          <xs:enumeration value="trainset"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
    <xs:attribute name="CountOfUnits" type="xs:integer" use="required"/>
    <xs:attribute name="FromHead" type="xs:boolean" use="required"/>
  </xs:complexType>
</xs:element>
```

attribute **TrainOrCoachGroupComposition/@CompositionDescriptionManner**

type	restriction of **xs:string**
properties	use required
facets	Kind / Value / Annotation enumeration coach enumeration vehicle_in_trainset enumeration trainset
source	

```
<xs:attribute name="CompositionDescriptionManner" use="required">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="coach"/>
      <xs:enumeration value="vehicle_in_trainset"/>
      <xs:enumeration value="trainset"/>
```

	`</xs:restriction>`
	`</xs:simpleType>`
	`</xs:attribute>`

attribute **TrainOrCoachGroupComposition/@CountOfUnits**

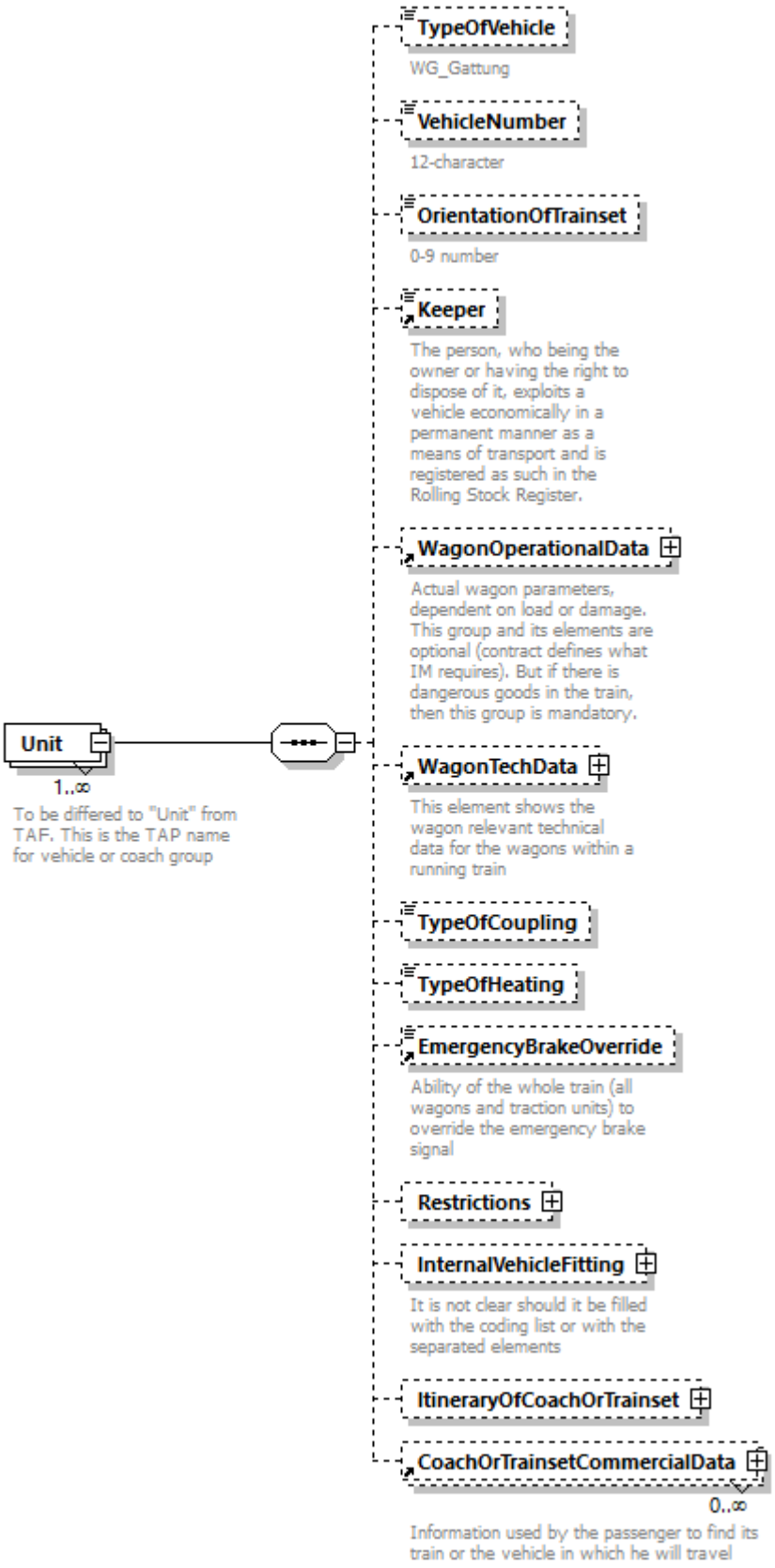
type	**xs:integer**
properties	use required
source	`<xs:attribute name="CountOfUnits" type="xs:integer" use="required"/>`

attribute **TrainOrCoachGroupComposition/@FromHead**

type	**xs:boolean**
properties	use required
source	`<xs:attribute name="FromHead" type="xs:boolean" use="required"/>`

element **TrainOrCoachGroupComposition/Unit**

diagram


Unit
1..∞
To be differed to "Unit" from TAF. This is the TAP name for vehicle or coach group
TypeOfVehicle
WG_Gattung
VehicleNumber
12-character
OrientationOfTrainset
0-9 number
Keeper
The person, who being the owner or having the right to dispose of it, exploits a vehicle economically in a permanent manner as a means of transport and is registered as such in the Rolling Stock Register.
WagonOperationalData
Actual wagon parameters, dependent on load or damage. This group and its elements are optional (contract defines what IM requires). But if there is dangerous goods in the train, then this group is mandatory.
WagonTechData
This element shows the wagon relevant technical data for the wagons within a running train
TypeOfCoupling
TypeOfHeating
EmergencyBrakeOverride
Ability of the whole train (all wagons and traction units) to override the emergency brake signal
Restrictions
InternalVehicleFitting
It is not clear should it be filled with the coding list or with the separated elements
ItineraryOfCoachOrTrainset
CoachOrTrainsetCommercialData
0..∞
Information used by the passenger to find its train or the vehicle in which he will travel

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 1 maxOcc unbounded content complex
children	**TypeOfVehicle** **VehicleNumber** **OrientationOfTrainset** **Keeper** **WagonOperationalData** **WagonTechData** **TypeOfCoupling** **TypeOfHeating** **EmergencyBrakeOverride** **Restrictions** **InternalVehicleFitting** **ItineraryOfCoachOrTrainset** **CoachOrTrainsetCommercialData**
annotation	documentation To be differed to "Unit" from TAF. This is the TAP name for vehicle or coach group

source

```
<xs:element name="Unit" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>To be differed to "Unit" from TAF. This is the TAP name for
vehicle or coach group</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="TypeOfVehicle" minOccurs="0">
        <xs:annotation>
          <xs:documentation>WG_Gattung</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="50"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="VehicleNumber" minOccurs="0">
        <xs:annotation>
          <xs:documentation>12-character</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="0"/>
            <xs:maxLength value="12"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="OrientationOfTrainset" minOccurs="0">
        <xs:annotation>
          <xs:documentation>0-9 number</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:byte">
            <xs:minInclusive value="0"/>
            <xs:maxInclusive value="9"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="Keeper" minOccurs="0"/>
      <xs:element ref="WagonOperationalData" minOccurs="0"/>
      <xs:element ref="WagonTechData" minOccurs="0"/>
      <xs:element name="TypeOfCoupling" minOccurs="0">
        <xs:simpleType>
```

```
          <xs:restriction base="xs:integer">
            <xs:minInclusive value="0"/>
            <xs:maxInclusive value="9"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="TypeOfHeating" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:integer">
            <xs:minInclusive value="0"/>
            <xs:maxInclusive value="9"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="EmergencyBrakeOverride" minOccurs="0"/>
      <xs:element name="Restrictions" minOccurs="0">
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="RestrictionsDueToLoadOrDamage"/>
            <xs:element ref="RestrictionOrProhibition"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="InternalVehicleFitting" minOccurs="0">
        <xs:annotation>
          <xs:documentation>It is not clear should it be filled with the coding list
or with the separated elements</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="TypeofService"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="ItineraryOfCoachOrTrainset" minOccurs="0">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="OriginOfVehicle" minOccurs="0">
              <xs:complexType>
                <xs:complexContent>
                  <xs:extension base="LocationIdent">
                    <xs:sequence>
                      <xs:element ref="TimingAtLocation"/>
                      <xs:element name="ForwardingRU" type="CompanyCode"/>
                    </xs:sequence>
                  </xs:extension>
                </xs:complexContent>
              </xs:complexType>
            </xs:element>
            <xs:element name="DestinationOfVehicle" minOccurs="0">
              <xs:complexType>
                <xs:complexContent>
                  <xs:extension base="LocationIdent">
                    <xs:sequence>
                      <xs:element ref="TimingAtLocation"/>
```

```
                        <xs:element name="FinalRU"/>
                      </xs:sequence>
                    </xs:extension>
                  </xs:complexContent>
                </xs:complexType>
              </xs:element>
              <xs:element name="AssociatedTrain" minOccurs="0"
maxOccurs="unbounded">
                <xs:complexType>
                  <xs:sequence>
                    <xs:element name="LocationOfChange" type="LocationIdent"
minOccurs="0">
                      <xs:annotation>
                        <xs:documentation>WARNING: I guess, where the unit is
attached to the particular train. Am I right?</xs:documentation>
                      </xs:annotation>
                    </xs:element>
                    <xs:element ref="AssociatedAttachedTrainID" minOccurs="0"/>
                    <xs:element ref="AssociatedAttachedOTN" minOccurs="0"/>
                    <xs:element ref="ReferenceOTN" minOccurs="0"/>
                    <xs:element ref="TransferPoint" minOccurs="0"/>
                    <xs:element ref="TransfereeIM" minOccurs="0"/>
                    <xs:element name="RetailServiceID" minOccurs="0">
                      <xs:annotation>
                        <xs:documentation>Unknown type!!!</xs:documentation>
                      </xs:annotation>
                    </xs:element>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
        <!-- Sector CR 221 adaptation: cardinality changed -->
        <xs:element ref="CoachOrTrainsetCommercialData" minOccurs="0"
maxOccurs="unbounded"/>
        <!-- Sector CR 221 adaptation end -->
      </xs:sequence>
    </xs:complexType>
  </xs:element>
```

element **TrainOrCoachGroupComposition/Unit/TypeOfVehicle**

diagram	TypeOfVehicle WG_Gattung
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation

	minLength 0 maxLength 50
annotation	documentation WG_Gattung
source	<xs:element name="TypeOfVehicle" minOccurs="0"> <xs:annotation> <xs:documentation>WG_Gattung</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="0"/> <xs:maxLength value="50"/> </xs:restriction> </xs:simpleType> </xs:element>

element **TrainOrCoachGroupComposition/Unit/VehicleNumber**

diagram	VehicleNumber 12-character
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 0 maxLength 12
annotation	documentation 12-character
source	<xs:element name="VehicleNumber" minOccurs="0"> <xs:annotation> <xs:documentation>12-character</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="0"/> <xs:maxLength value="12"/> </xs:restriction> </xs:simpleType> </xs:element>

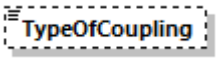
element **TrainOrCoachGroupComposition/Unit/OrientationOfTrainset**

diagram	OrientationOfTrainset 0-9 number
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	restriction of **xs:byte**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 0 maxInclusive 9
annotation	documentation 0-9 number

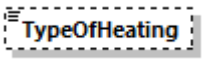
source	`<xs:element name="OrientationOfTrainset" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>0-9 number</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:byte">`
	`  <xs:minInclusive value="0"/>`
	`  <xs:maxInclusive value="9"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **TrainOrCoachGroupComposition/Unit/TypeOfCoupling**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 0 maxInclusive 9

source	`<xs:element name="TypeOfCoupling" minOccurs="0">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="0"/>`
	`  <xs:maxInclusive value="9"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

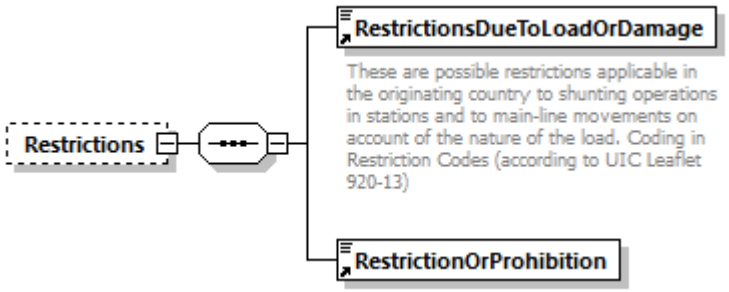
element **TrainOrCoachGroupComposition/Unit/TypeOfHeating**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	restriction of **xs:integer**
properties	minOcc 0 maxOcc 1 content simple
used by	elements **RollingStockTechnicalData** **UnitTechnicalData**
facets	Kind Value Annotation minInclusive 0 maxInclusive 9

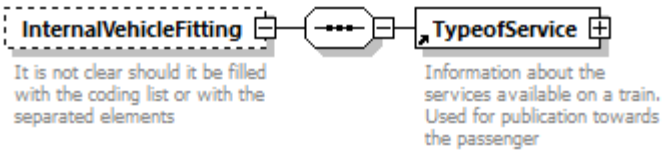
source	`<xs:element name="TypeOfHeating" minOccurs="0">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="0"/>`
	`  <xs:maxInclusive value="9"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **TrainOrCoachGroupComposition/Unit/Restrictions**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**RestrictionsDueToLoadOrDamage** **RestrictionOrProhibition**

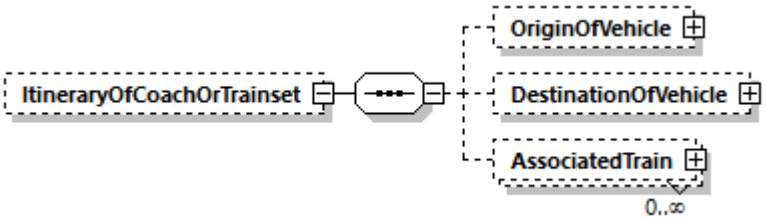
source	`<xs:element name="Restrictions" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="RestrictionsDueToLoadOrDamage"/>`
	`  <xs:element ref="RestrictionOrProhibition"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **TrainOrCoachGroupComposition/Unit/InternalVehicleFitting**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**TypeofService**
annotation	documentation It is not clear should it be filled with the coding list or with the separated elements

source	`<xs:element name="InternalVehicleFitting" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>It is not clear should it be filled with the coding list or with the separated elements</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="TypeofService"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **TrainOrCoachGroupComposition/Unit/ItineraryOfCoachOrTrainset**

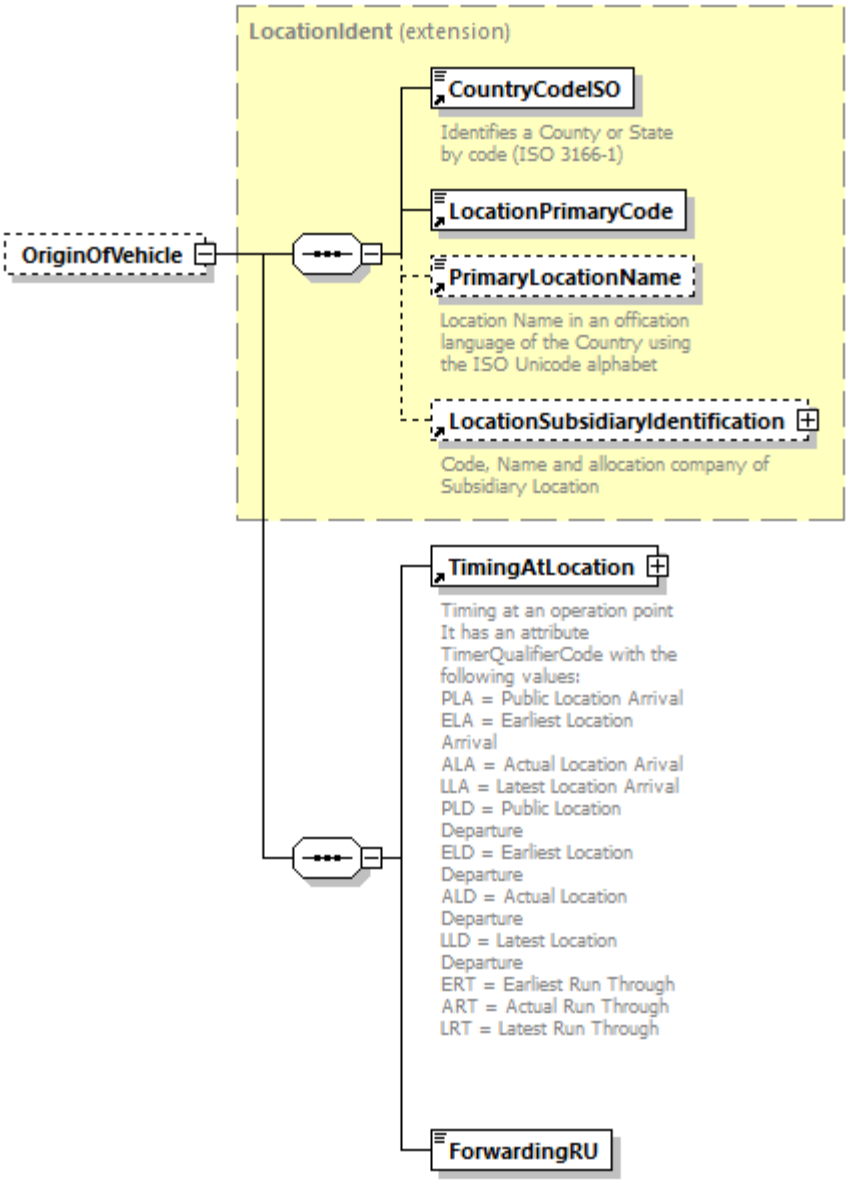
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**OriginOfVehicle** **DestinationOfVehicle** **AssociatedTrain**

source	`<xs:element name="ItineraryOfCoachOrTrainset" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="OriginOfVehicle" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:complexContent>`
	`  <xs:extension base="LocationIdent">`
	`  <xs:sequence>`
	`  <xs:element ref="TimingAtLocation"/>`
	`  <xs:element name="ForwardingRU" type="CompanyCode"/>`

```
              </xs:sequence>
            </xs:extension>
          </xs:complexContent>
        </xs:complexType>
      </xs:element>
      <xs:element name="DestinationOfVehicle" minOccurs="0">
        <xs:complexType>
          <xs:complexContent>
            <xs:extension base="LocationIdent">
              <xs:sequence>
                <xs:element ref="TimingAtLocation"/>
                <xs:element name="FinalRU"/>
              </xs:sequence>
            </xs:extension>
          </xs:complexContent>
        </xs:complexType>
      </xs:element>
      <xs:element name="AssociatedTrain" minOccurs="0" maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="LocationOfChange" type="LocationIdent"
minOccurs="0">
              <xs:annotation>
                <xs:documentation>WARNING: I guess, where the unit is attached to
the particular train. Am I right?</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="AssociatedAttachedTrainID" minOccurs="0"/>
            <xs:element ref="AssociatedAttachedOTN" minOccurs="0"/>
            <xs:element ref="ReferenceOTN" minOccurs="0"/>
            <xs:element ref="TransferPoint" minOccurs="0"/>
            <xs:element ref="TransfereeIM" minOccurs="0"/>
            <xs:element name="RetailServiceID" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Unknown type!!!</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainOrCoachGroupComposition/Unit/ItineraryOfCoachOrTrainset/OriginOfVehicle**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **LocationIdent**
properties	minOcc 0 maxOcc 1 content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification** **TimingAtLocation** **ForwardingRU**

source

```
<xs:element name="OriginOfVehicle" minOccurs="0">
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="LocationIdent">
        <xs:sequence>
          <xs:element ref="TimingAtLocation"/>
```

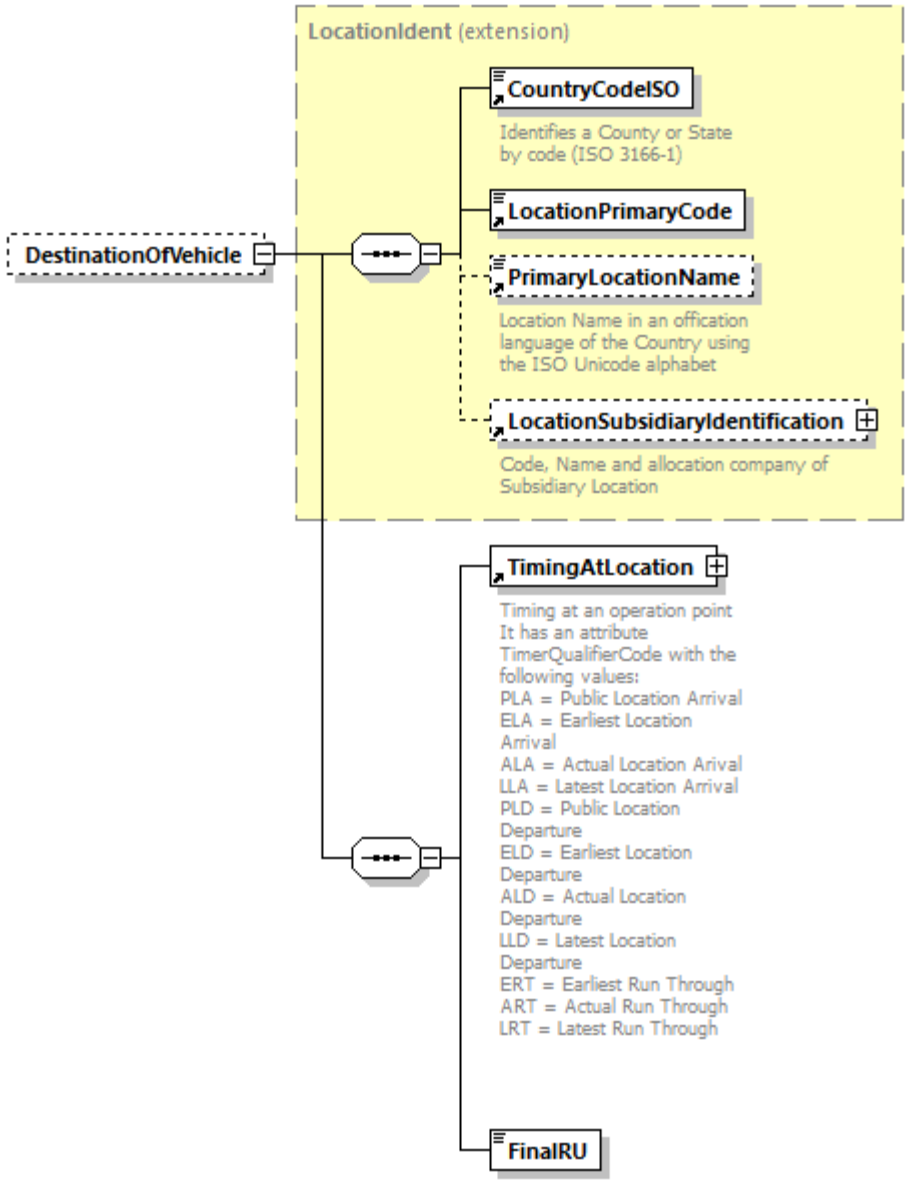
```
            <xs:element name="ForwardingRU" type="CompanyCode"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
  </xs:element>
```

element
TrainOrCoachGroupComposition/Unit/ItineraryOfCoachOrTrainset/OriginOfVehicle/ForwardingRU

diagram	ForwardingRU
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
facets	Kind / Value / Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
source	`<xs:element name="ForwardingRU" type="CompanyCode"/>`

element **TrainOrCoachGroupComposition/Unit/ItineraryOfCoachOrTrainset/DestinationOfVehicle**

diagram



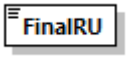
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **LocationIdent**
properties	minOcc 0 maxOcc 1 content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification** **TimingAtLocation** **FinalRU**

source

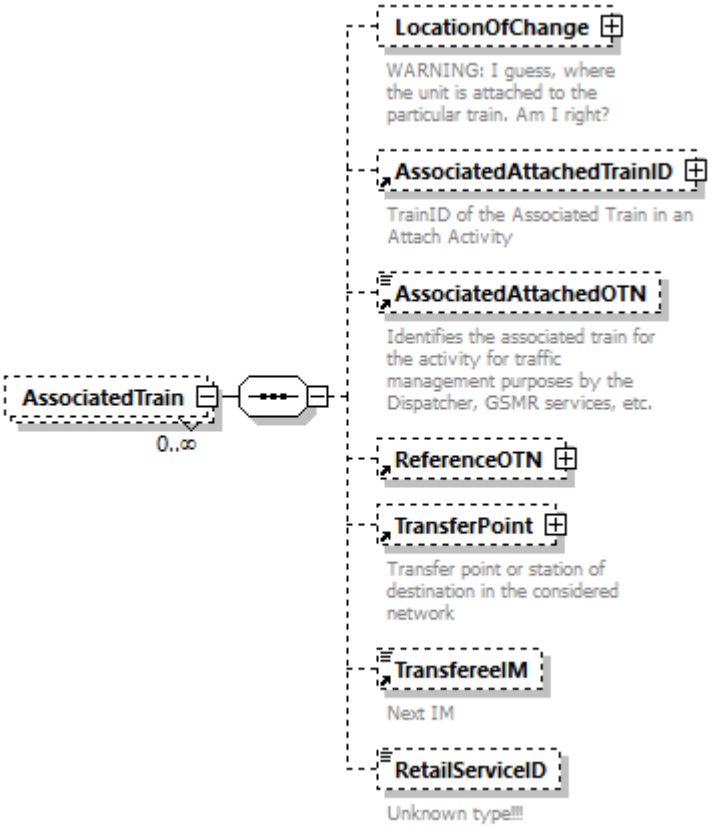
```
<xs:element name="DestinationOfVehicle" minOccurs="0">
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="LocationIdent">
        <xs:sequence>
          <xs:element ref="TimingAtLocation"/>
```

```
            <xs:element name="FinalRU"/>
          </xs:sequence>
        </xs:extension>
      </xs:complexContent>
    </xs:complexType>
  </xs:element>
```

element
TrainOrCoachGroupComposition/Unit/ItineraryOfCoachOrTrainset/DestinationOfVehicle/FinalRU

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
source	`<xs:element name="FinalRU"/>`

element **TrainOrCoachGroupComposition/Unit/ItineraryOfCoachOrTrainset/AssociatedTrain**

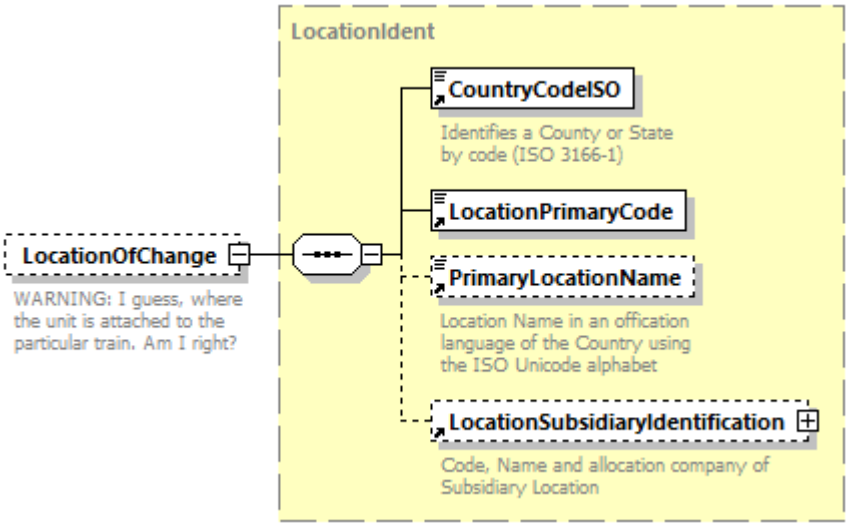
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc unbounded content complex
children	**LocationOfChange** **AssociatedAttachedTrainID** **AssociatedAttachedOTN** **ReferenceOTN** **TransferPoint** **TransfereeIM** **RetailServiceID**

source

```
<xs:element name="AssociatedTrain" minOccurs="0" maxOccurs="unbounded">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="LocationOfChange" type="LocationIdent" minOccurs="0">
        <xs:annotation>
          <xs:documentation>WARNING: I guess, where the unit is attached to the
particular train. Am I right?</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="AssociatedAttachedTrainID" minOccurs="0"/>
      <xs:element ref="AssociatedAttachedOTN" minOccurs="0"/>
      <xs:element ref="ReferenceOTN" minOccurs="0"/>
      <xs:element ref="TransferPoint" minOccurs="0"/>
      <xs:element ref="TransfereeIM" minOccurs="0"/>
      <xs:element name="RetailServiceID" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Unknown type!!!</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element
TrainOrCoachGroupComposition/Unit/ItineraryOfCoachOrTrainset/AssociatedTrain/LocationOfChange

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	minOcc 0 maxOcc 1 content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation WARNING: I guess, where the unit is attached to the particular train. Am I right?

source	<xs:element name="LocationOfChange" type="LocationIdent" minOccurs="0"> <xs:annotation> <xs:documentation>WARNING: I guess, where the unit is attached to the particular train. Am I right?</xs:documentation> </xs:annotation> </xs:element>

element **TrainOrCoachGroupComposition/Unit/ItineraryOfCoachOrTrainset/AssociatedTrain/RetailServiceID**

diagram	RetailServiceID Unknown type!!!
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1
used by	elements **Association** **UnitCommercialData**
annotation	documentation Unknown type!!!
source	<xs:element name="RetailServiceID" minOccurs="0">\ <xs:annotation> <xs:documentation>Unknown type!!!</xs:documentation> </xs:annotation> </xs:element>

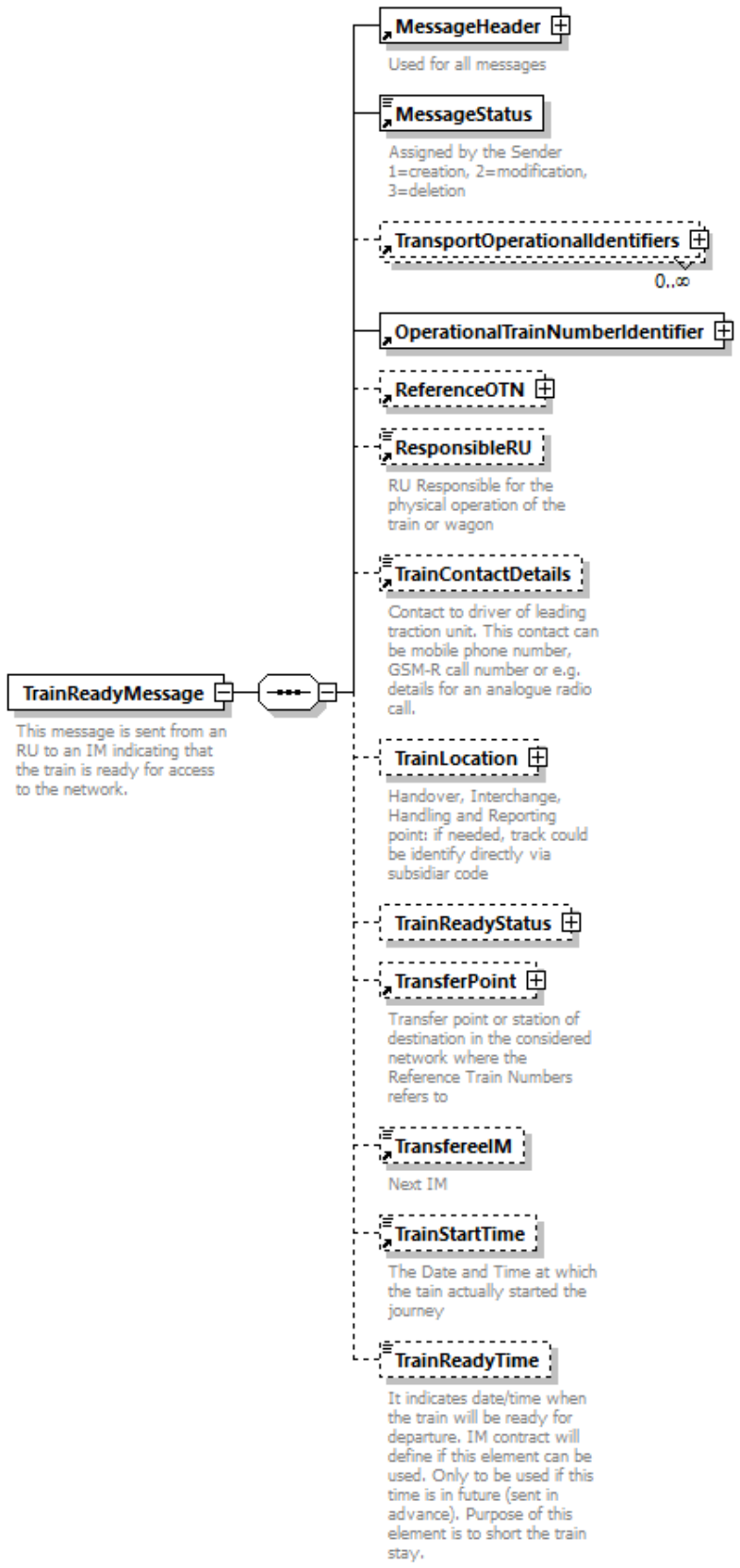
element **TrainRadioSystem**

diagram	TrainRadioSystem The on board radio system of the train in coded format
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	elements **PassengerTrainData** **PlannedTrainTechnicalData** **TrainRunningTechData**
facets	Kind Value Annotation enumeration 1 enumeration 2
annotation	documentation The on board radio system of the train in coded format
source	<xs:element name="TrainRadioSystem">\ <xs:annotation> <xs:documentation>The on board radio system of the train in coded format</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token">

	`<xs:enumeration value="1"/>`
	`<xs:enumeration value="2"/>`
	`</xs:restriction>`
	`</xs:simpleType>`
	`</xs:element>`

element **TrainReadyMessage**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **MessageStatus** **TransportOperationalIdentifiers** **OperationalTrainNumberIdentifier** **ReferenceOTN** **ResponsibleRU** **TrainContactDetails** **TrainLocation** **TrainReadyStatus** **TransferPoint** **TransfereeIM** **TrainStartTime** **TrainReadyTime**
annotation	documentation This message is sent from an RU to an IM indicating that the train is ready for access to the network.

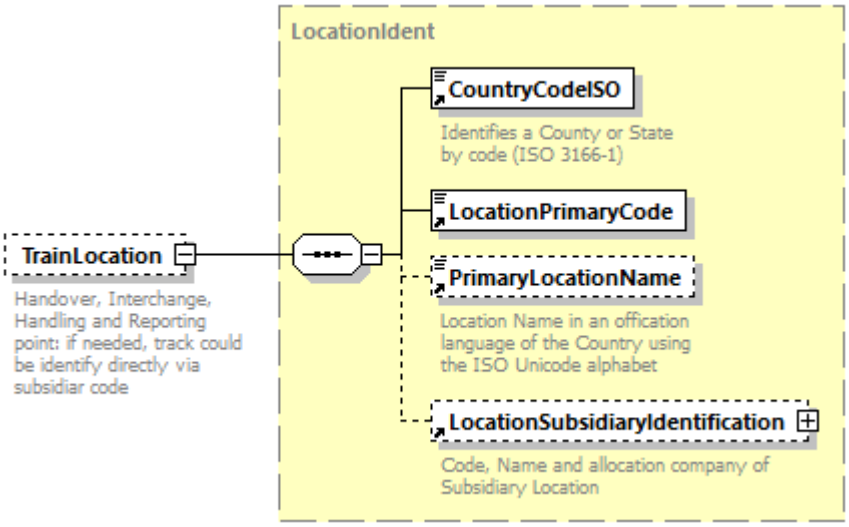
source

```
<xs:element name="TrainReadyMessage">
  <xs:annotation>
    <xs:documentation>This message is sent from an RU to an IM indicating that the
train is ready for access to the network.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="MessageStatus"/>
      <xs:element ref="TransportOperationalIdentifiers" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element ref="OperationalTrainNumberIdentifier"/>
      <xs:element ref="ReferenceOTN" minOccurs="0"/>
      <xs:element ref="ResponsibleRU" minOccurs="0"/>
      <xs:element ref="TrainContactDetails" minOccurs="0"/>
      <xs:element name="TrainLocation" type="LocationIdent" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Handover, Interchange, Handling and Reporting point: if
needed, track could be identify directly via subsidiar code </xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="TrainReadyStatus" minOccurs="0">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="TrainReady">
              <xs:annotation>
                <xs:documentation>0=Not Ready 1=Ready</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:integer">
                  <xs:enumeration value="0"/>
                  <xs:enumeration value="1"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element ref="TrainDelay" minOccurs="0"/>
            <xs:element name="TrainNotReadyDescription" type="FreeText"
minOccurs="0">
              <xs:annotation>
                <xs:documentation>Description of the reason why the train is not
ready.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="DelayCause" minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
```

```
      </xs:element>
      <xs:element ref="TransferPoint" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Transfer point or station of destination in the
considered network where the Reference Train Numbers refers to </xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="TransfereeIM" minOccurs="0"/>
      <xs:element ref="TrainStartTime" minOccurs="0"/>
      <xs:element name="TrainReadyTime" type="xs:dateTime" minOccurs="0">
        <xs:annotation>
          <xs:documentation>It indicates date/time when the train will be ready for
departure. IM contract will define if this element can be used. Only to be used if
this time is in future (sent in advance). Purpose of this element is to short the
train stay. </xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainReadyMessage/TrainLocation**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	minOcc 0 maxOcc 1 content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation Handover, Interchange, Handling and Reporting point: if needed, track could be identify directly via subsidiar code

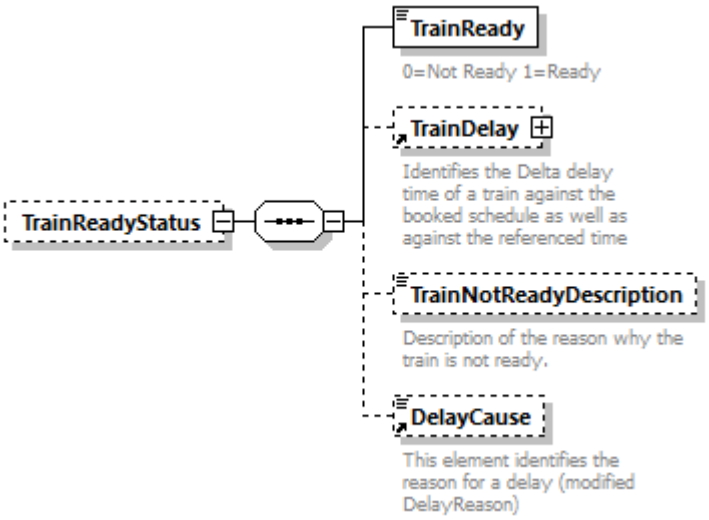
source

```
<xs:element name="TrainLocation" type="LocationIdent" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Handover, Interchange, Handling and Reporting point: if
```

```
needed, track could be identify directly via subsidiar code </xs:documentation>
  </xs:annotation>
</xs:element>
```

element **TrainReadyMessage/TrainReadyStatus**

diagram



namespace: http://www.era.europa.eu/schemes/TAFTSI/3.5

properties:

minOcc	0
maxOcc	1
content	complex

children: **TrainReady** **TrainDelay** **TrainNotReadyDescription** **DelayCause**

source

```
<xs:element name="TrainReadyStatus" minOccurs="0">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="TrainReady">
        <xs:annotation>
          <xs:documentation>0=Not Ready 1=Ready</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:integer">
            <xs:enumeration value="0"/>
            <xs:enumeration value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="TrainDelay" minOccurs="0"/>
      <xs:element name="TrainNotReadyDescription" type="FreeText" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Description of the reason why the train is not
ready.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="DelayCause" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
```

	`</xs:element>`

element **TrainReadyMessage/TrainReadyStatus/TrainReady**

diagram	TrainReady 0=Not Ready 1=Ready
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
facets	Kind Value Annotation enumeration 0 enumeration 1
annotation	documentation 0=Not Ready 1=Ready

source	`<xs:element name="TrainReady">`
	`  <xs:annotation>`
	`  <xs:documentation>0=Not Ready 1=Ready</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:enumeration value="0"/>`
	`  <xs:enumeration value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

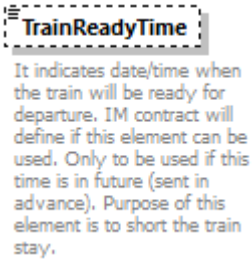
element **TrainReadyMessage/TrainReadyStatus/TrainNotReadyDescription**

diagram	TrainNotReadyDescription Description of the reason why the train is not ready.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Description of the reason why the train is not ready.

source	`<xs:element name="TrainNotReadyDescription" type="FreeText" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Description of the reason why the train is not ready.</xs:documentation>`
	`  </xs:annotation>`

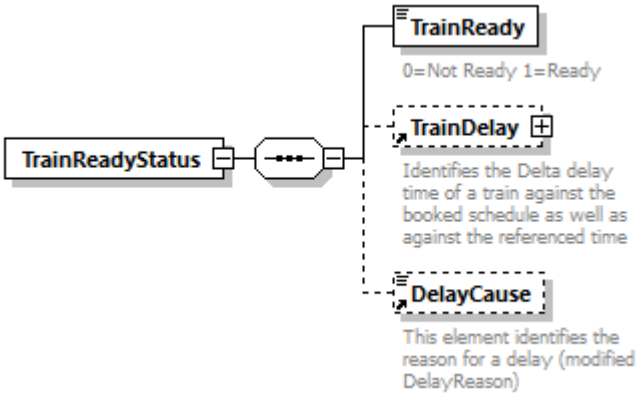
	`</xs:element>`

element **TrainReadyMessage/TrainReadyTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation It indicates date/time when the train will be ready for departure. IM contract will define if this element can be used. Only to be used if this time is in future (sent in advance). Purpose of this element is to short the train stay.

source	`<xs:element name="TrainReadyTime" type="xs:dateTime" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>It indicates date/time when the train will be ready for departure. IM contract will define if this element can be used. Only to be used if this time is in future (sent in advance). Purpose of this element is to short the train stay. </xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TrainReadyStatus**

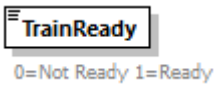
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**TrainReady** **TrainDelay** **DelayCause**

source

```
<xs:element name="TrainReadyStatus">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="TrainReady">
        <xs:annotation>
          <xs:documentation>0=Not Ready 1=Ready</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:integer">
            <xs:enumeration value="0"/>
            <xs:enumeration value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="TrainDelay" minOccurs="0"/>
      <xs:element ref="DelayCause" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainReadyStatus/TrainReady**

diagram



namespace: http://www.era.europa.eu/schemes/TAFTSI/3.5

type: restriction of **xs:integer**

properties: content simple

facets

Kind	Value	Annotation
enumeration	0	
enumeration	1	

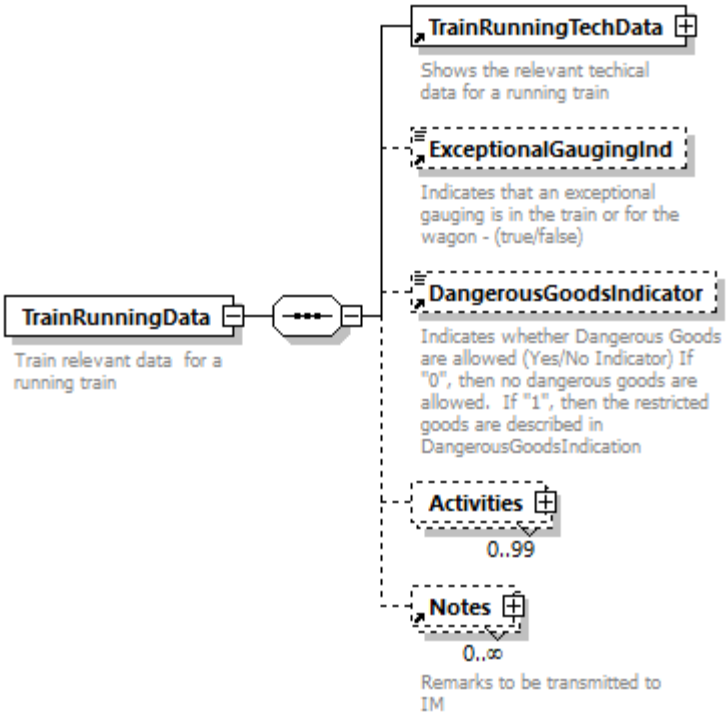
annotation

documentation
0=Not Ready 1=Ready

source

```
<xs:element name="TrainReady">
  <xs:annotation>
    <xs:documentation>0=Not Ready 1=Ready</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:enumeration value="0"/>
      <xs:enumeration value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

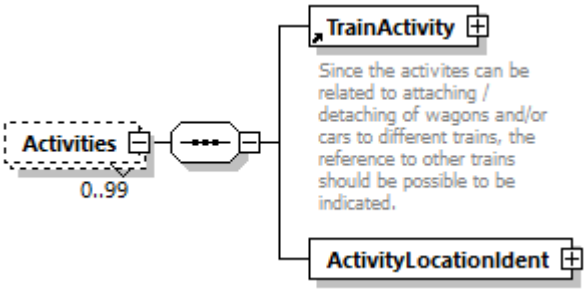
element **TrainRunningData**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**TrainRunningTechData** **ExceptionalGaugingInd** **DangerousGoodsIndicator** **Activities** **Notes**
used by	element **TrainCompositionJourneySection**
annotation	documentation Train relevant data for a running train

source

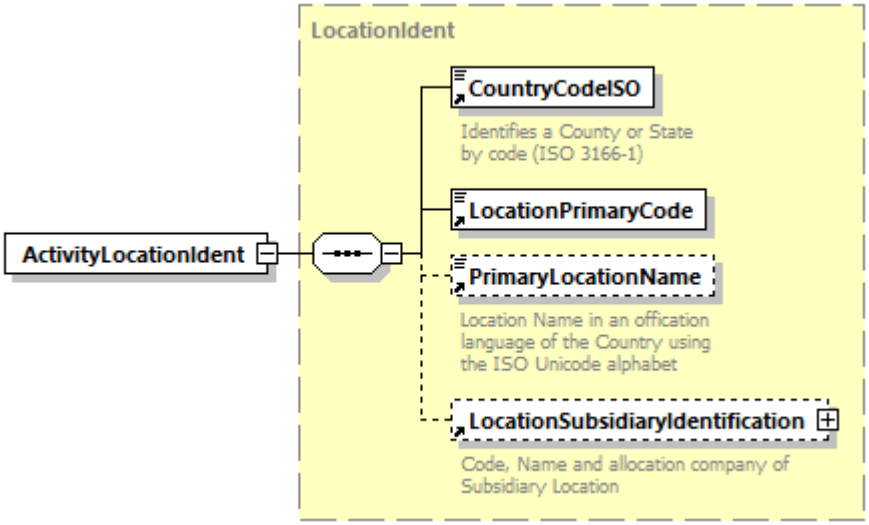
```
<xs:element name="TrainRunningData">
  <xs:annotation>
    <xs:documentation>Train relevant data  for a running train</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="TrainRunningTechData"/>
      <xs:element ref="ExceptionalGaugingInd" minOccurs="0"/>
      <xs:element ref="DangerousGoodsIndicator" minOccurs="0"/>
      <xs:element name="Activities" minOccurs="0" maxOccurs="99">
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="TrainActivity"/>
            <xs:element name="ActivityLocationIdent" type="LocationIdent"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element ref="Notes" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainRunningData/Activities**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 99 content complex
children	**TrainActivity** **ActivityLocationIdent**

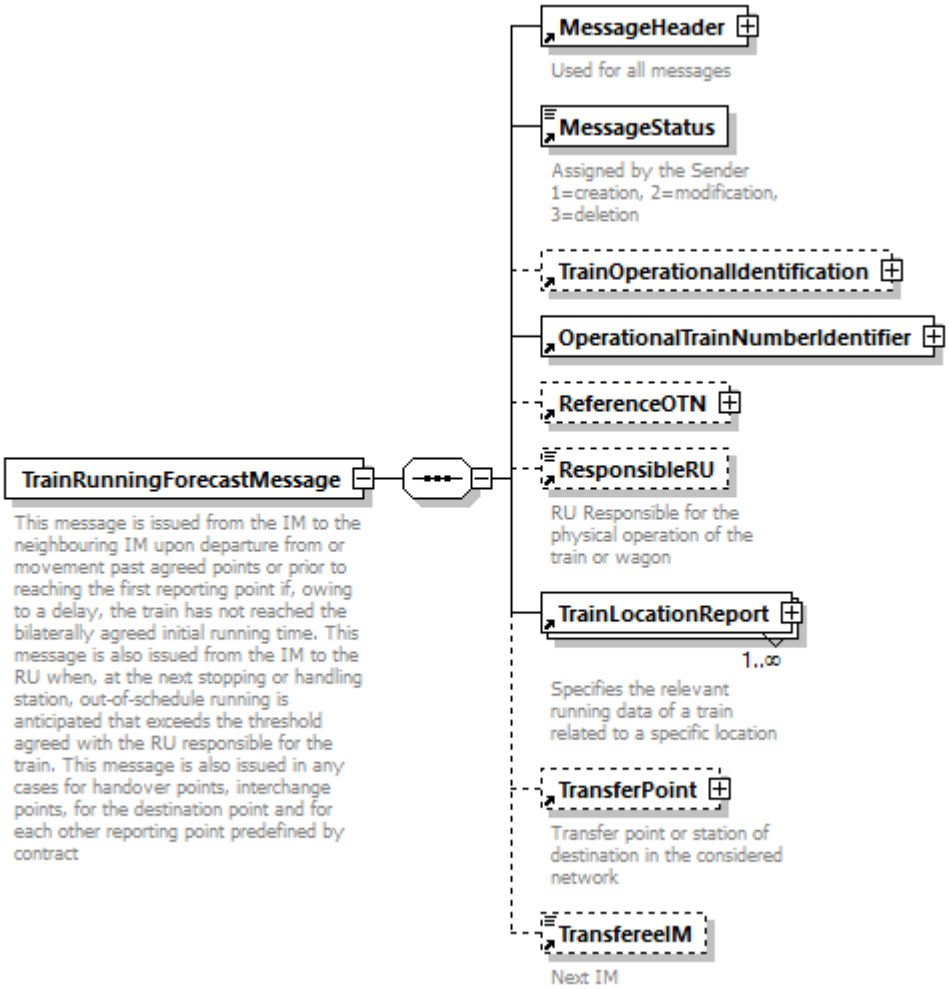
source	`<xs:element name="Activities" minOccurs="0" maxOccurs="99">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="TrainActivity"/>`
	`  <xs:element name="ActivityLocationIdent" type="LocationIdent"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **TrainRunningData/Activities/ActivityLocationIdent**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	content complex

children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
source	`<xs:element name="ActivityLocationIdent" type="LocationIdent"/>`

element **TrainRunningForecastMessage**

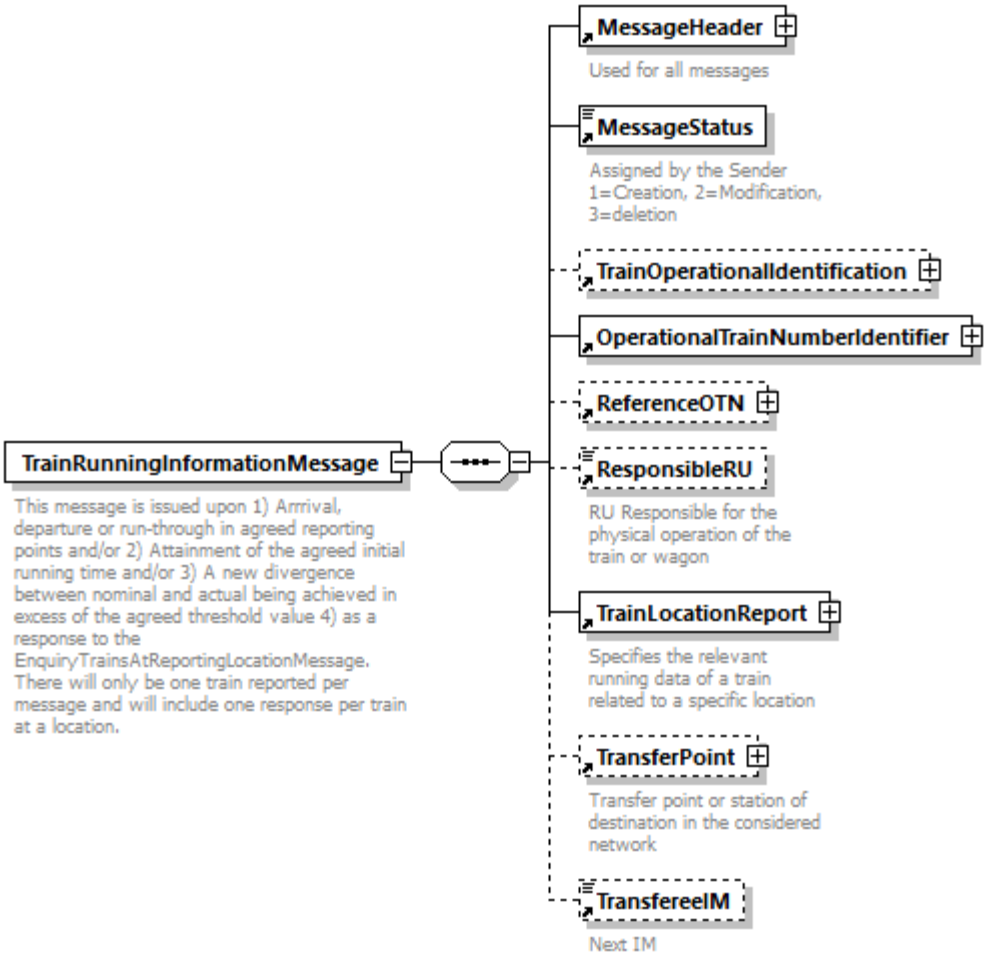
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	MessageHeader MessageStatus TrainOperationalIdentification OperationalTrainNumberIdentifier ReferenceOTN ResponsibleRU TrainLocationReport TransferPoint TransfereeIM
annotation	documentation This message is issued from the IM to the neighbouring IM upon departure from or movement past agreed points or prior to reaching the first reporting point if, owing to a delay, the train has not reached the bilaterally agreed initial running time. This message is also issued from the IM to the RU when, at the next stopping or handling station, out-of-schedule running is anticipated that exceeds the threshold agreed with the RU responsible for the train. This message is also issued in any cases for handover points, interchange points, for the destination point and for each other reporting point predefined by contract

source	`<xs:element name="TrainRunningForecastMessage">`
	`  <xs:annotation>`
	`  <xs:documentation>This message is issued from the IM to the neighbouring IM upon`

```
departure from or movement past agreed points or prior to reaching the first reporting point if, owing to a delay, the train has not reached the bilaterally agreed initial running time. This message is also issued from the IM to the RU when, at the next stopping or handling station, out-of-schedule running is anticipated that exceeds the threshold agreed with the RU responsible for the train. This message is also issued in any cases for handover points, interchange points, for the destination point and for each other reporting point predefined by contract</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="MessageStatus"/>
      <xs:element ref="TrainOperationalIdentification" minOccurs="0"/>
      <xs:element ref="OperationalTrainNumberIdentifier"/>
      <xs:element ref="ReferenceOTN" minOccurs="0"/>
      <xs:element ref="ResponsibleRU" minOccurs="0"/>
      <xs:element ref="TrainLocationReport" maxOccurs="unbounded"/>
      <xs:element ref="TransferPoint" minOccurs="0"/>
      <xs:element ref="TransfereeIM" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainRunningInformationMessage**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **MessageStatus** **TrainOperationalIdentification** **OperationalTrainNumberIdentifier** **ReferenceOTN** **ResponsibleRU** **TrainLocationReport** **TransferPoint** **TransfereeIM**
annotation	documentation This message is issued upon 1) Arrrival, departure or run-through in agreed reporting points and/or 2) Attainment of the agreed initial running time and/or 3) A new divergence between nominal and actual being achieved in excess of the agreed threshold value 4) as a response to the EnquiryTrainsAtReportingLocationMessage. There will only be one train reported per message and will include one response per train at a location.

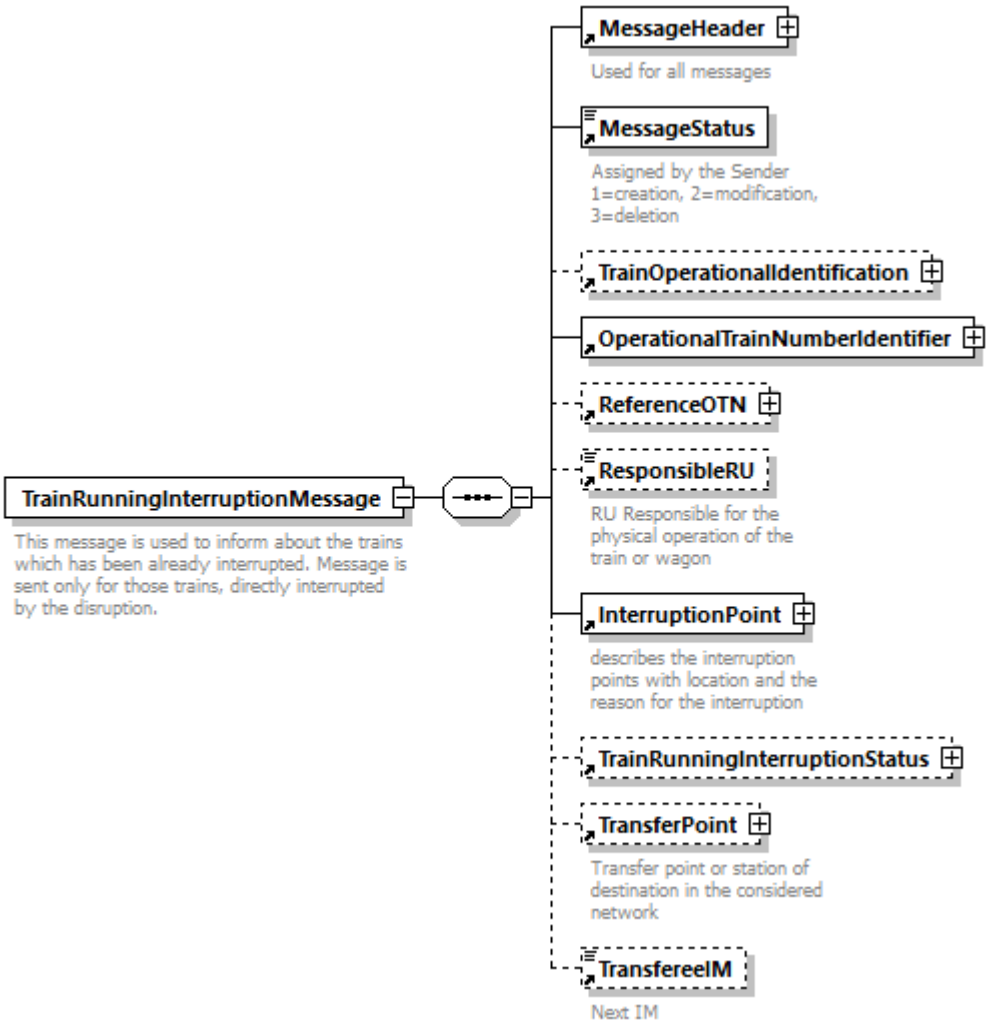
source

```
<xs:element name="TrainRunningInformationMessage">
  <xs:annotation>
    <xs:documentation>This message is issued upon 1) Arrrival, departure or
run-through in agreed reporting points and/or 2) Attainment of the agreed initial
running time and/or 3) A new divergence between nominal and actual being achieved
in excess of the agreed threshold value 4) as a response to the
EnquiryTrainsAtReportingLocationMessage.  There will only be one train reported per
message and will include one response per train at a location.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
```

```
      <xs:element ref="MessageHeader"/>
      <xs:element ref="MessageStatus">
        <xs:annotation>
          <xs:documentation>Assigned by the Sender 1=Creation, 2=Modification,
3=deletion </xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="TrainOperationalIdentification" minOccurs="0"/>
      <xs:element ref="OperationalTrainNumberIdentifier"/>
      <xs:element ref="ReferenceOTN" minOccurs="0"/>
      <xs:element ref="ResponsibleRU" minOccurs="0"/>
      <xs:element ref="TrainLocationReport"/>
      <xs:element ref="TransferPoint" minOccurs="0"/>
      <xs:element ref="TransfereeIM" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainRunningInterruptionMessage**

diagram

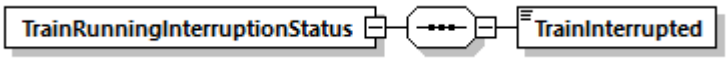


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **MessageStatus** **TrainOperationalIdentification** **OperationalTrainNumberIdentifier** **ReferenceOTN** **ResponsibleRU** **InterruptionPoint** **TrainRunningInterruptionStatus** **TransferPoint** **TransfereeIM**
annotation	documentation This message is used to inform about the trains which has been already interrupted. Message is sent only for those trains, directly interrupted by the disruption.

source

```
<xs:element name="TrainRunningInterruptionMessage">
  <xs:annotation>
    <xs:documentation>This message is used to inform about the trains which has been
already interrupted. Message is sent only for those trains, directly interrupted by
the disruption. </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="MessageStatus"/>
      <xs:element ref="TrainOperationalIdentification" minOccurs="0"/>
      <xs:element ref="OperationalTrainNumberIdentifier"/>
      <xs:element ref="ReferenceOTN" minOccurs="0"/>
      <xs:element ref="ResponsibleRU" minOccurs="0"/>
      <xs:element ref="InterruptionPoint"/>
      <xs:element ref="TrainRunningInterruptionStatus" minOccurs="0"/>
      <xs:element ref="TransferPoint" minOccurs="0"/>
      <xs:element ref="TransfereeIM" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainRunningInterruptionStatus**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**TrainInterrupted**
used by	element **TrainRunningInterruptionMessage**

source

```
<xs:element name="TrainRunningInterruptionStatus">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="TrainInterrupted">
        <xs:annotation>
          <xs:documentation/>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:integer">
            <xs:enumeration value="0">
              <xs:annotation>
```

```
                <xs:documentation>Not Interrupted</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="1">
              <xs:annotation>
                <xs:documentation>Interrupted at location
(default)</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration value="2">
              <xs:annotation>
                <xs:documentation>Will be interrupted, not yet at
location</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainRunningInterruptionStatus/TrainInterrupted**

diagram	TrainInterrupted
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
facets	Kind / Value / Annotation enumeration 0 documentation Not Interrupted enumeration 1 documentation Interrupted at location (default) enumeration 2 documentation Will be interrupted, not yet at location

source

```
<xs:element name="TrainInterrupted">
  <xs:annotation>
    <xs:documentation/>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:enumeration value="0">
        <xs:annotation>
          <xs:documentation>Not Interrupted</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>Interrupted at location (default)</xs:documentation>
        </xs:annotation>
```

```
      </xs:enumeration>
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>Will be interrupted, not yet at
location</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TrainRunningTechData**

diagram

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**TrainType** **TrainWeight** **TrainLength** **TrainCC_System** **TrainRadioSystem** **TrainMaxSpeed** **MaxAxleWeight** **BrakeType** **BrakingRatio** **BrakeWeight** **NumberOfVehicles** **NumberOfAxles**
used by	elements **PassengerTrainRunningData** **TrainRunningData**
annotation	documentation Shows the relevant techical data for a running train

source	`<xs:element name="TrainRunningTechData">`
	`  <xs:annotation>`
	`  <xs:documentation>Shows the relevant techical data for a running train</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="TrainType"/>`
	`  <xs:element ref="TrainWeight"/>`
	`  <xs:element ref="TrainLength"/>`
	`  <xs:element ref="TrainCC_System" minOccurs="0" maxOccurs="9"/>`
	`  <xs:element ref="TrainRadioSystem" minOccurs="0" maxOccurs="9"/>`
	`  <xs:element ref="TrainMaxSpeed" minOccurs="0"/>`
	`  <xs:element ref="MaxAxleWeight" minOccurs="0"/>`
	`  <xs:element ref="BrakeType" minOccurs="0"/>`
	`  <xs:element ref="BrakingRatio" minOccurs="0"/>`
	`  <xs:element ref="BrakeWeight" minOccurs="0"/>`
	`  <xs:element ref="NumberOfVehicles" minOccurs="0"/>`
	`  <xs:element ref="NumberOfAxles" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **TrainsetID**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 12
annotation	documentation Coding used to identify uniquely a trainset

source	`<xs:element name="TrainsetID">`
	`  <xs:annotation>`
	`  <xs:documentation>Coding used to identify uniquely a trainset</xs:documentation>`
	`  </xs:annotation>`

```
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="12"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TrainStartTime**

diagram	TrainStartTime The Date and Time at which the tain actually started the journey
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
used by	element **TrainReadyMessage**
annotation	documentation The Date and Time at which the tain actually started the journey

source	`<xs:element name="TrainStartTime" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>The Date and Time at which the tain actually started the journey</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TrainType**

diagram	TrainType Element TrainType defines the main purpose of the train in a fundamental way. These purposes are: Transport of passengers Transport of freight/goods Transport of passengers and freight/goods Train only for run of traction unit/locomotive Train of the IM in case of emergency The element is not repeatable, and it does not support any overlapping meaning.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple

used by	elements **PassengerTrainData** **PlannedTrainData** **TrainRunningTechData** **CapacityModelSearchCriteria/TrainTypeSearch** complexType **CapacityModelType**
facets	Kind Value Annotation enumeration 0 documentation Other train enumeration 1 documentation Passenger train enumeration 2 documentation Freight train enumeration 3 documentation Light engine (locomotive train) enumeration 4 documentation Engineering train enumeration 5 documentation Emergency train enumeration 6 documentation Mixed train (passenger and freight train in combination)
annotation	documentation Element TrainType defines the main purpose of the train in a fundamental way. These purposes are: Transport of passengers Transport of freight/goods Transport of passengers and freight/goods Train only for run of traction unit/locomotive Train of the IM in case of emergency The element is not repeatable, and it does not support any overlapping meaning.

source

```
<xs:element name="TrainType">
  <xs:annotation>
    <xs:documentation>Element TrainType defines the main purpose of the train in a
fundamental way. These purposes are:
Transport of passengers
Transport of freight/goods
Transport of passengers and freight/goods
Train only for run of traction unit/locomotive
Train of the IM in case of emergency
The element is not repeatable, and it does not support any overlapping meaning.
</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:enumeration value="0">
        <xs:annotation>
          <xs:documentation>Other train</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>Passenger train</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>Freight train</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
```

```
      <xs:enumeration value="3">
        <xs:annotation>
          <xs:documentation>Light engine (locomotive train)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="4">
        <xs:annotation>
          <xs:documentation>Engineering train</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="5">
        <xs:annotation>
          <xs:documentation>Emergency train</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="6">
        <xs:annotation>
          <xs:documentation>Mixed train (passenger and freight train in
combination)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TrainWeight**

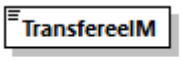
diagram	TrainWeight The sum of all weights of wagons and traction units
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **WeightValueTonne**
properties	content simple
used by	elements **PassengerTrainData** **PlannedTrainTechnicalData** **TechnicalParameters** **TrainRunningTechData**
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation The sum of all weights of wagons and traction units

source

```
<xs:element name="TrainWeight">
  <xs:annotation>
    <xs:documentation>The sum of all weights of wagons and traction
units</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="WeightValueTonne">
      <xs:maxInclusive value="99999"/>
    </xs:restriction>
  </xs:simpleType>
```

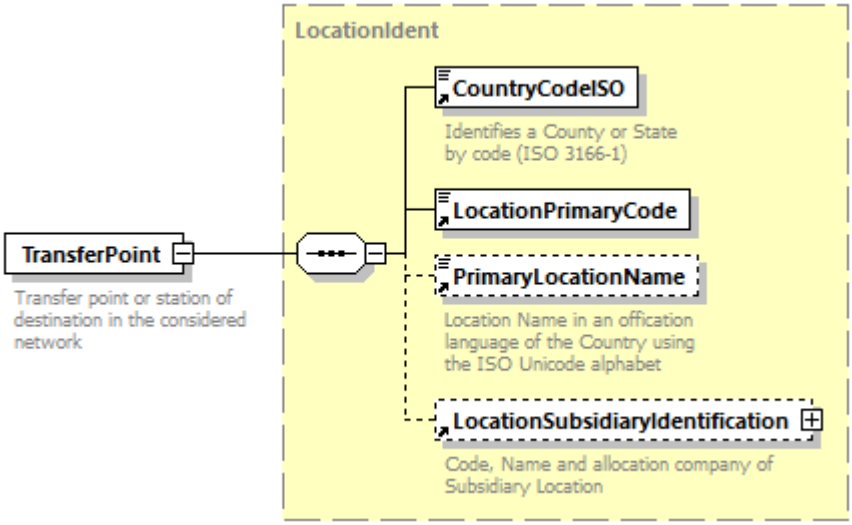
	`</xs:element>`

element **TransfereeIM**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
used by	elements **TrainOrCoachGroupComposition/Unit/ItineraryOfCoachOrTrainset/AssociatedTrain** **ChangeOfTrackMessage** **PassengerTrainCompositionMessage** **RollingStockRestrictionMessage** **TrainCompositionMessage** **TrainDelayCauseMessage** **TrainForecastedDelayCauseMessage** **TrainJourneyModificationMessage** **TrainReadyMessage** **TrainRunningForecastMessage** **TrainRunningInformationMessage** **TrainRunningInterruptionMessage**
facets	Kind / Value / Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Next IM

source	`<xs:element name="TransfereeIM" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Next IM</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TransferPoint**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**

properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	elements **TrainOrCoachGroupComposition/Unit/ItineraryOfCoachOrTrainset/AssociatedTrain** **ChangeOfTrackMessage** **PassengerTrainCompositionMessage** **RollingStockRestrictionMessage** **TrainCompositionMessage** **TrainDelayCauseMessage** **TrainForecastedDelayCauseMessage** **TrainJourneyModificationMessage** **TrainReadyMessage** **TrainRunningForecastMessage** **TrainRunningInformationMessage** **TrainRunningInterruptionMessage**
annotation	documentation Transfer point or station of destination in the considered network

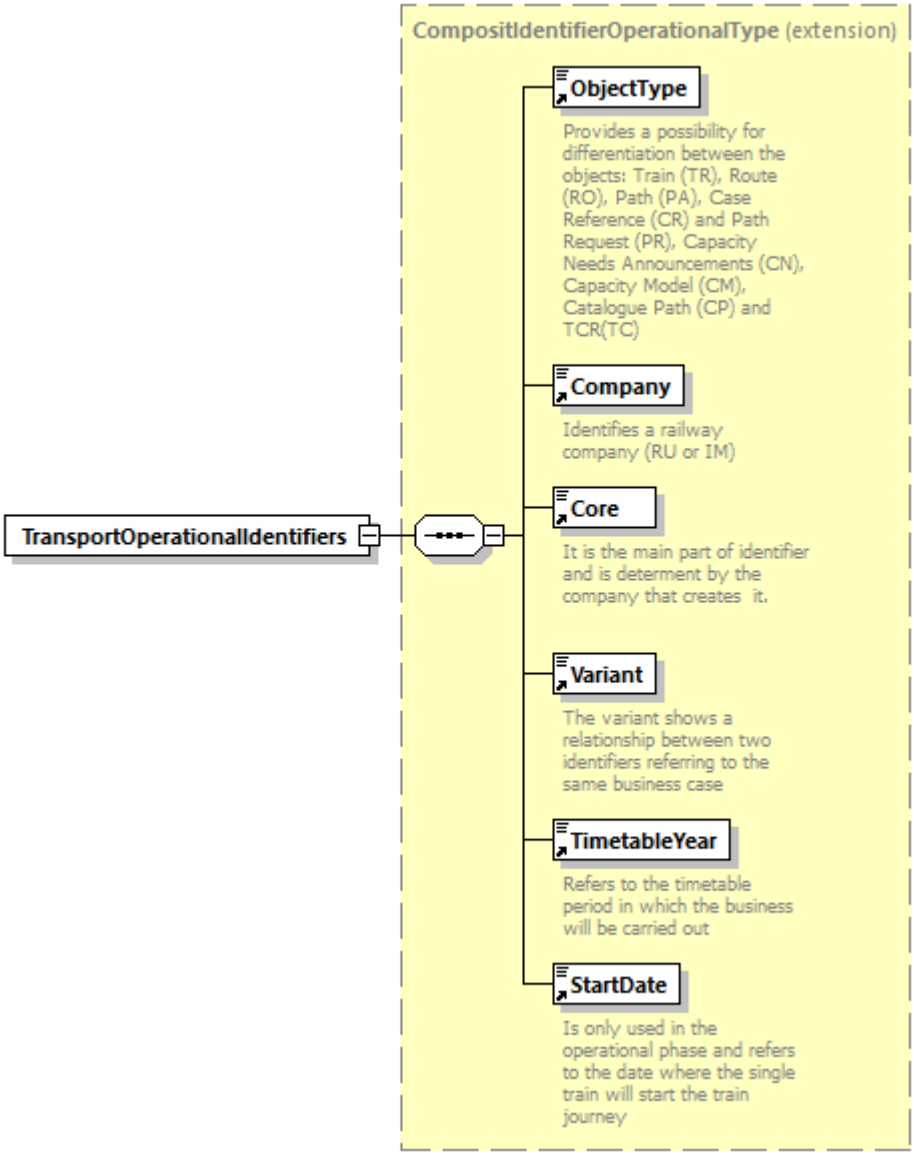
source	`<xs:element name="TransferPoint" type="LocationIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>Transfer point or station of destination in the considered network</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TransportInstruction**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Special instructions regarding the transportation of the wagon or shipment in free text

source	`<xs:element name="TransportInstruction" type="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>Special instructions regarding the transportation of the wagon or shipment in free text</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TransportOperationalIdentifiers**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **CompositIdentifierOperationalType**
properties	content complex
children	**ObjectType** **Company** **Core** **Variant** **TimetableYear** **StartDate**
used by	elements **AssociatedTrain** **ErrorMessage** **PassengerTrainCompositionMessage** **RollingStockRestrictionMessage** **TrainCompositionMessage** **TrainOperationalIdentification** **TrainReadyMessage**

source	`<xs:element name="TransportOperationalIdentifiers">`
	`  <xs:complexType>`
	`  <xs:complexContent>`
	`  <xs:extension base="CompositIdentifierOperationalType"/>`
	`  </xs:complexContent>`
	`  </xs:complexType>`
	`</xs:element>`

element **TransportRestrictionCode**

diagram	TransportRestrictionCode
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	element **PassengerTransportRestriction**
facets	Kind Value Annotation enumeration 07 enumeration 08 enumeration 09 enumeration 11 enumeration 12 enumeration 13 enumeration 15 enumeration 16 enumeration 18 enumeration 25 enumeration 30 enumeration 31 enumeration 32 enumeration 33 enumeration 34 enumeration 35 enumeration 36 enumeration 37 enumeration 38 enumeration 39 enumeration 41 enumeration 42 enumeration 50 enumeration 51 enumeration 61 enumeration 62 enumeration 63 enumeration 68 enumeration 70 enumeration 71 enumeration 90 enumeration 91 enumeration 92 enumeration 94

	enumeration 99
source	

```
<xs:element name="TransportRestrictionCode">
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:enumeration value="07"/>
      <xs:enumeration value="08"/>
      <xs:enumeration value="09"/>
      <xs:enumeration value="11"/>
      <xs:enumeration value="12"/>
      <xs:enumeration value="13"/>
      <xs:enumeration value="15"/>
      <xs:enumeration value="16"/>
      <xs:enumeration value="18"/>
      <xs:enumeration value="25"/>
      <xs:enumeration value="30"/>
      <xs:enumeration value="31"/>
      <xs:enumeration value="32"/>
      <xs:enumeration value="33"/>
      <xs:enumeration value="34"/>
      <xs:enumeration value="35"/>
      <xs:enumeration value="36"/>
      <xs:enumeration value="37"/>
      <xs:enumeration value="38"/>
      <xs:enumeration value="39"/>
      <xs:enumeration value="41"/>
      <xs:enumeration value="42"/>
      <xs:enumeration value="50"/>
      <xs:enumeration value="51"/>
      <xs:enumeration value="61"/>
      <xs:enumeration value="62"/>
      <xs:enumeration value="63"/>
      <xs:enumeration value="68"/>
      <xs:enumeration value="70"/>
      <xs:enumeration value="71"/>
      <xs:enumeration value="90"/>
      <xs:enumeration value="91"/>
      <xs:enumeration value="92"/>
      <xs:enumeration value="94"/>
      <xs:enumeration value="99"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TransportRestrictionValue**

diagram	TransportRestrictionValue
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:string**
properties	content simple

used by	element **PassengerTransportRestriction**
source	`<xs:element name="TransportRestrictionValue" type="xs:string"/>`

element **TypeOfHeating**

diagram	**TypeOfHeating** Type of heating system in a passenger vehicle or trainset
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	elements **RollingStockTechnicalData** **UnitTechnicalData**
facets	Kind / Value / Annotation enumeration 1 enumeration 2 enumeration 3 enumeration 4 Other or not known
annotation	documentation Type of heating system in a passenger vehicle or trainset

source

```
<xs:element name="TypeOfHeating">
  <xs:annotation>
    <xs:documentation>Type of heating system in a passenger vehicle or
trainset</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:annotation>
        <xs:documentation>Electrical</xs:documentation>
        <xs:documentation>Autonomous heating</xs:documentation>
        <xs:documentation>Steam</xs:documentation>
      </xs:annotation>
      <xs:enumeration value="1"/>
      <xs:enumeration value="2"/>
      <xs:enumeration value="3"/>
      <xs:enumeration value="4 Other or not known"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

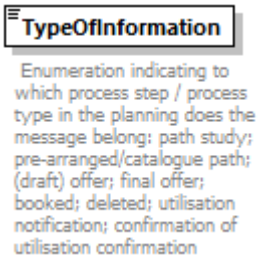
element **TypeOfIMHarmonization**

diagram	**TypeOfIMHarmonization** Enumeration of Type of IM harmonization: Full, Part
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	**TypeOfIMHarmonizationCode**
properties	content simple
used by	elements **PathCoordinationMessage** **PathDetailsMessage** **PathRequestMessage** **PathSectionNotificationMessage**
facets	Kind Value Annotation enumeration Full enumeration Part
annotation	documentation Enumeration of Type of IM harmonization: Full, Part

source	`<xs:element name="TypeOfIMHarmonization" type="TypeOfIMHarmonizationCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Enumeration of Type of IM harmonization: Full, Part`
	`</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TypeOfInformation**

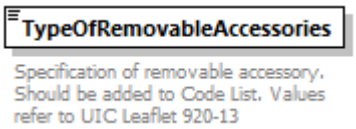
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**TypeOfInformationCode**
properties	content simple
used by	elements **CapacityModelMessage** **ObjectInfoMessage** **PathCanceledMessage** **PathConfirmedMessage** **PathCoordinationMessage** **PathDetailsMessage** **PathDetailsRefusedMessage** **PathNotAvailableMessage** **PathRequestMessage** **PathSectionNotificationMessage** **ReceiptConfirmationMessage**
facets	Kind Value Annotation minInclusive 0 maxInclusive 99 enumeration 1 documentation harmonisation - in process enumeration 2 documentation harmonisation - accepted enumeration 3 documentation harmonisation - rejected enumeration 4 documentation Request ready enumeration 5 documentation path study request enumeration 6 documentation pre-arranged path/reserve capacity enumeration 7 documentation create offer enumeration 8 documentation coordination update

	enumeration	9	documentation draft offer
	enumeration	10	documentation draft alternative offer
	enumeration	11	documentation observation - in process
	enumeration	12	documentation observation - complete
	enumeration	13	documentation preparation of final offer - in process
	enumeration	14	documentation preparation of final offer - accepted
	enumeration	15	documentation preparation of final offer - rejected
	enumeration	16	documentation final offer
	enumeration	17	documentation final offer - accepted
	enumeration	18	documentation alternative offer accepted
	enumeration	19	documentation pre-accepted offer
	enumeration	20	documentation Final Offer rejected
	enumeration	21	documentation no alternative available
	enumeration	22	documentation booked
	enumeration	23	documentation preparation of draft alternative offer is in progress
	enumeration	24	documentation alternative offer triggered by IM
	enumeration	25	documentation offer/final offer rejected (without revision)
	enumeration	26	documentation alternative offer rejected (without revision)
	enumeration	27	documentation offer/final offer rejected (revision required)
	enumeration	28	documentation alternative offer rejected (revision required)
	enumeration	29	documentation withdrawal
	enumeration	30	documentation Create Dossier
	enumeration	31	documentation Close Dossier
	enumeration	32	documentation Path canceled full
	enumeration	33	documentation Path canceled partial
	enumeration	40	documentation Fully Assembled Path (FAP, constructed path)
	enumeration	42	documentation Preparation of draft offer – accepted
	enumeration	43	documentation Preparation of draft offer – rejected
	enumeration	44	documentation Draft offer rejected
	enumeration	45	documentation Draft no alternative available

	enumeration 50 documentation activate path (utilisation notification) enumeration 51 documentation deactivate path (utilisation notification) enumeration 52 documentation confirmation of utilisation notification enumeration 53 documentation Path and train cancelled enumeration 54 documentation Pre-booking in progress enumeration 65 documentation Preparation of alternative offer in progress due to route update (used in PathNotAvailableMessage) enumeration 66 documentation Booked after route update (used in PathDetailsMessage)
annotation	documentation Enumeration indicating to which process step / process type in the planning does the message belong: path study; pre-arranged/catalogue path; (draft) offer; final offer; booked; deleted; utilisation notification; confirmation of utilisation confirmation

source	`<xs:element name="TypeOfInformation" type="TypeOfInformationCode">`
	`  <xs:annotation>`
	`  <xs:documentation> Enumeration indicating to which process step / process type in the planning does the message belong: path study; pre-arranged/catalogue path; (draft) offer; final offer; booked; deleted; utilisation notification; confirmation of utilisation confirmation</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TypeOfRemovableAccessories**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet/RemovableAccessories**
facets	Kind Value Annotation enumeration 01 documentation Removable stanchion enumeration 02 documentation Removable side flap of flat wagon enumeration 03 documentation Removable end flap of flat wagon enumeration 04 documentation Removable side rail enumeration 05 documentation Removable intermediate upright for securing the load enumeration 06 documentation Stanchion chain enumeration 07 documentation Removable handle and wheel for winch on car-carrying wagon

	enumeration	08	documentation Swivelling bolster (with stanchions)
	enumeration	09	documentation Coupling rod (rigid coupling)
	enumeration	10	documentation Ice bunker
	enumeration	11	documentation Ice bunker screen
	enumeration	12	documentation Ice bunker frame
	enumeration	13	documentation Trestle or bar with hooks for hanging meat
	enumeration	14	documentation Movable cross-member of wagon with low loading plane
	enumeration	15	documentation Removable support
	enumeration	16	documentation Mooring cross-member on wagon for special loads
	enumeration	17	documentation Movable floor panel on wagon for special loads
	enumeration	18	documentation Scotch
	enumeration	19	documentation Skid bar with or without shoes on car-carrying wagon
	enumeration	20	documentation Mooring strap on car-carrying wagon
	enumeration	21	documentation Beam for movable ramp on car-carrying wagon
	enumeration	22	documentation Spare heating half-coupling
	enumeration	23	documentation Fire extinguisher
	enumeration	24	documentation Wheel scotches (for cars) on car-carrying wagon
	enumeration	25	documentation Gangway loading ramp on car-carrying wagon
	enumeration	26	documentation Metal cradles for rolls of metal sheeting
	enumeration	27	documentation Panel for covering markings
	enumeration	28	documentation Loading frame for special types of goods
	enumeration	29	documentation Headstock for "rolling roads"
	enumeration	99	documentation Other wagon accessories
annotation	documentation Specification of removable accessory. Should be added to Code List. Values refer to UIC Leaflet 920-13		

source

```
<xs:element name="TypeOfRemovableAccessories">
  <xs:annotation>
    <xs:documentation>Specification of removable accessory.
Should be added to Code List. Values refer to UIC Leaflet 920-13</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="01">
        <xs:annotation>
          <xs:documentation>Removable stanchion</xs:documentation>
```

```
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="02">
        <xs:annotation>
          <xs:documentation>Removable side flap of flat wagon</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="03">
        <xs:annotation>
          <xs:documentation>Removable end flap of flat wagon</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="04">
        <xs:annotation>
          <xs:documentation>Removable side rail</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="05">
        <xs:annotation>
          <xs:documentation>Removable intermediate upright for securing the
load</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="06">
        <xs:annotation>
          <xs:documentation>Stanchion chain</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="07">
        <xs:annotation>
          <xs:documentation>Removable handle and wheel for winch on car-carrying
wagon</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="08">
        <xs:annotation>
          <xs:documentation>Swivelling bolster (with
stanchions)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="09">
        <xs:annotation>
          <xs:documentation>Coupling rod (rigid coupling)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="10">
        <xs:annotation>
          <xs:documentation>Ice bunker</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="11">
        <xs:annotation>
          <xs:documentation>Ice bunker screen</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
```

```
      <xs:enumeration value="12">
        <xs:annotation>
          <xs:documentation>Ice bunker frame</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="13">
        <xs:annotation>
          <xs:documentation>Trestle or bar with hooks for hanging
meat</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="14">
        <xs:annotation>
          <xs:documentation>Movable cross-member of wagon with low loading
plane</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="15">
        <xs:annotation>
          <xs:documentation>Removable support</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="16">
        <xs:annotation>
          <xs:documentation>Mooring cross-member on wagon for special
loads</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="17">
        <xs:annotation>
          <xs:documentation>Movable floor panel on wagon for special
loads</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="18">
        <xs:annotation>
          <xs:documentation>Scotch</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="19">
        <xs:annotation>
          <xs:documentation>Skid bar with or without shoes on car-carrying
wagon</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="20">
        <xs:annotation>
          <xs:documentation>Mooring strap on car-carrying wagon</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="21">
        <xs:annotation>
          <xs:documentation>Beam for movable ramp on car-carrying
wagon</xs:documentation>
        </xs:annotation>
```

```
      </xs:enumeration>
      <xs:enumeration value="22">
        <xs:annotation>
          <xs:documentation>Spare heating half-coupling</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="23">
        <xs:annotation>
          <xs:documentation>Fire extinguisher</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="24">
        <xs:annotation>
          <xs:documentation>Wheel scotches (for cars) on car-carrying
wagon</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="25">
        <xs:annotation>
          <xs:documentation>Gangway loading ramp on car-carrying
wagon</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="26">
        <xs:annotation>
          <xs:documentation>Metal cradles for rolls of metal
sheeting</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="27">
        <xs:annotation>
          <xs:documentation>Panel for covering markings</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="28">
        <xs:annotation>
          <xs:documentation>Loading frame for special types of
goods</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="29">
        <xs:annotation>
          <xs:documentation>Headstock for "rolling roads"</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="99">
        <xs:annotation>
          <xs:documentation>Other wagon accessories</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TypeOfRequest**

diagram	**TypeOfRequest** Enumeration for the 3 different basic types of the planning processes types in the planning: Study (1), Request (2), Modification (3)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**TypeOfRequestCode**
properties	content simple
used by	elements **CapacityModelMessage** **ObjectInfoMessage** **PathCanceledMessage** **PathConfirmedMessage** **PathCoordinationMessage** **PathDetailsMessage** **PathDetailsRefusedMessage** **PathNotAvailableMessage** **PathRequestMessage** **PathSectionNotificationMessage** **ReceiptConfirmationMessage**
facets	Kind / Value / Annotation minInclusive 1 enumeration 1 documentation Study enumeration 2 documentation Request enumeration 3 documentation Modification
annotation	documentation Enumeration for the 3 different basic types of the planning processes types in the planning: Study (1), Request (2), Modification (3)

source	`<xs:element name="TypeOfRequest" type="TypeOfRequestCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Enumeration for the 3 different basic types of the planning processes types in the planning: Study (1), Request (2), Modification (3) </xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

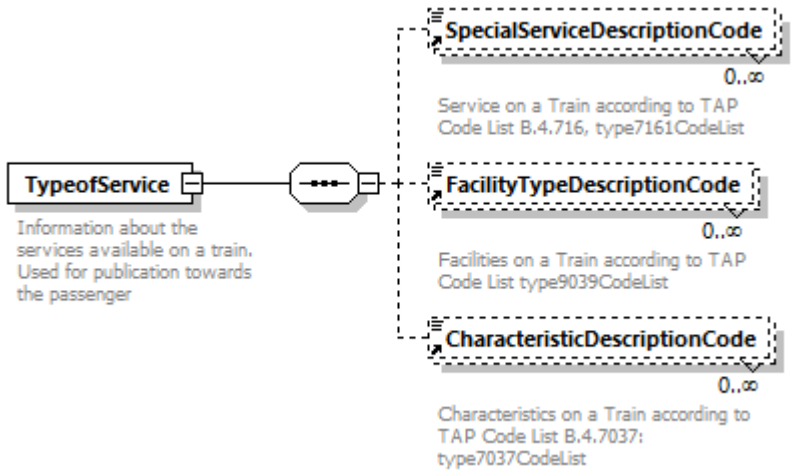
element **TypeOfRUHarmonization**

diagram	**TypeOfRUHarmonization** Type of RU harmonization: Full, Part, None.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**TypeOfRUHarmonizationCode**
properties	content simple
used by	elements **PathCoordinationMessage** **PathDetailsMessage** **PathRequestMessage** **PathSectionNotificationMessage**
facets	Kind / Value / Annotation enumeration Full enumeration Part enumeration None
annotation	documentation

	Type of RU harmonization: Full, Part, None.

source	`<xs:element name="TypeOfRUHarmonization" type="TypeOfRUHarmonizationCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Type of RU harmonization: Full, Part, None.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TypeofService**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**SpecialServiceDescriptionCode** **FacilityTypeDescriptionCode** **CharacteristicDescriptionCode**
used by	elements **TrainOrCoachGroupComposition/Unit/InternalVehicleFitting** **PlannedTrainData**
annotation	documentation Information about the services available on a train. Used for publication towards the passenger

source	`<xs:element name="TypeofService">`
	`  <xs:annotation>`
	`  <xs:documentation>Information about the services available on a train. Used for publication towards the passenger</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <!-- references to tap codelists are here internal. This is the difference to the official ERA schema -->`
	`  <xs:element ref="SpecialServiceDescriptionCode" minOccurs="0" maxOccurs="unbounded"/>`
	`  <xs:element ref="FacilityTypeDescriptionCode" minOccurs="0" maxOccurs="unbounded"/>`
	`  <xs:element ref="CharacteristicDescriptionCode" minOccurs="0" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **TypeOfUsedHybridPowerunit**

diagram	**TypeOfUsedHybridPowerunit** information about the type of power unit in case of using a hybrid locomotive
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	elements **TrainCompositionJourneySection/LocoIdent** **TractionDetails** **UnitData**
facets	Kind / Value / Annotation enumeration 1 documentation electric (pantograph, conductor rail) enumeration 2 documentation liquid fuel (benzine, diesel, gasoline) enumeration 3 documentation battery enumeration 4 documentation hydrogen
annotation	documentation information about the type of power unit in case of using a hybrid locomotive

source

```
<xs:element name="TypeOfUsedHybridPowerunit">
  <xs:annotation>
    <xs:documentation>information about the type of power unit in case of using a
hybrid locomotive</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>electric (pantograph, conductor
rail)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>liquid fuel (benzine, diesel,
gasoline)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="3">
        <xs:annotation>
          <xs:documentation>battery</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="4">
        <xs:annotation>
          <xs:documentation>hydrogen</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
```

```
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **UltimateDestinationCountry**

diagram	**UltimateDestinationCountry** Country of Ultimate Destination
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CountryIdentISO**
properties	content simple
used by	elements **ILU_Details** **ITU_Details**
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation Country of Ultimate Destination

source	`<xs:element name="UltimateDestinationCountry" type="CountryIdentISO">`
	`  <xs:annotation>`
	`  <xs:documentation>Country of Ultimate Destination</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

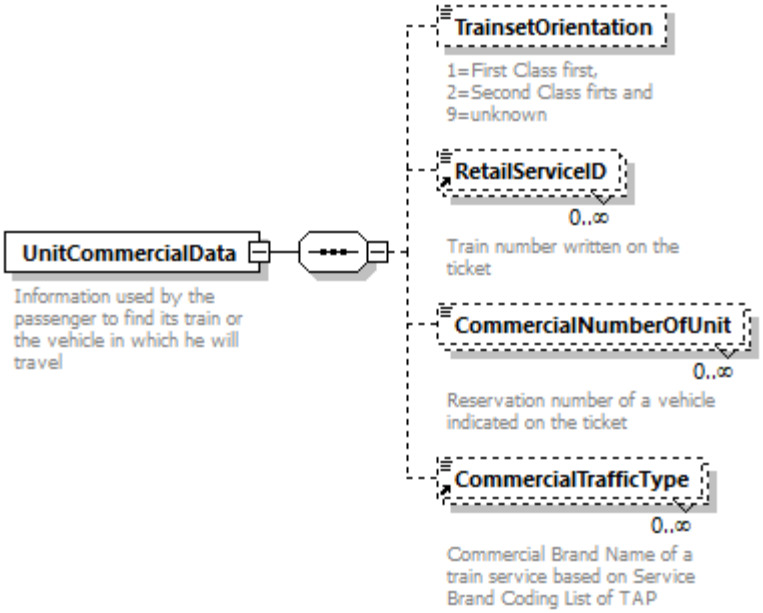
element **UN_Number**

diagram	**UN_Number** The UNNumber of the dangerous good according to the RID chapter 3.2, table A, column 1. Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE <=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING" .
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	element **SummaryOFGoodsWithSameRID**
facets	Kind Value Annotation length 4 pattern \d*[1-9]\d*
annotation	documentation The UNNumber of the dangerous good according to the RID chapter 3.2, table A, column 1. Mandatory, except it

	concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE <=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING" .

source	`<xs:element name="UN_Number">`
	`  <xs:annotation>`
	`  <xs:documentation>The UNNumber of the dangerous good according to the RID chapter 3.2, table A, column 1. Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE <=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING" .</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:length value="4"/>`
	`  <xs:pattern value="\d*[1-9]\d*"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **UnitCommercialData**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**TrainsetOrientation** **RetailServiceID** **CommercialNumberOfUnit** **CommercialTrafficType**
used by	element **UnitData**
annotation	documentation Information used by the passenger to find its train or the vehicle in which he will travel

source	`<xs:element name="UnitCommercialData">`
	`  <xs:annotation>`
	`  <xs:documentation>Information used by the passenger to find its train or the vehicle in which he will travel</xs:documentation>`
	`  </xs:annotation>`

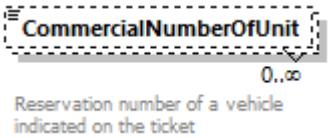
```
  <xs:complexType>
    <xs:sequence>
      <xs:element name="TrainsetOrientation" minOccurs="0">
        <xs:annotation>
          <xs:documentation>1=First Class first, 2=Second Class firts and
9=unknown</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:integer">
            <xs:enumeration value="1"/>
            <xs:enumeration value="2"/>
            <xs:enumeration value="9"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="RetailServiceID" minOccurs="0" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>Train number written on the ticket</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="CommercialNumberOfUnit" type="xs:string" minOccurs="0"
maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>Reservation number of a vehicle indicated on the
ticket</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="CommercialTrafficType" minOccurs="0"
maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **UnitCommercialData/TrainsetOrientation**

diagram	TrainsetOrientation 1=First Class first, 2=Second Class firts and 9=unknown
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation enumeration 1 enumeration 2 enumeration 9
annotation	documentation 1=First Class first, 2=Second Class firts and 9=unknown
source	`<xs:element name="TrainsetOrientation" minOccurs="0">`

```
  <xs:annotation>
    <xs:documentation>1=First Class first, 2=Second Class firts and
9=unknown</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:enumeration value="1"/>
      <xs:enumeration value="2"/>
      <xs:enumeration value="9"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **UnitCommercialData/CommercialNumberOfUnit**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:string**
properties	minOcc 0 maxOcc unbounded content simple
annotation	documentation Reservation number of a vehicle indicated on the ticket

source	`<xs:element name="CommercialNumberOfUnit" type="xs:string" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:annotation>`
	`  <xs:documentation>Reservation number of a vehicle indicated on the ticket</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **UnitData**

diagram

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**UnitPositionInTrain** **UnitIdentification** **TractionType** **TractionMode** **RegenerativeBrake** **PoweredLocomotiveOrTrainset** **TypeOfUsedHybridPowerunit** **DriverIndication** **KeeperShortName** **PassengerUnitRestriction** **ItineraryOfUnit** **InternalVehicleFacility** **CharacteristicDescriptionCode** **FacilityTypeDescriptionCode** **CommercialService** **SpecialServiceDescription** **InformationToBeDisplayed** **UnitCommercialData** **FreeTextField** **Parameters** **UnitTechnicalData**
used by	element **PassengerTrainCompositionJourneySection**
annotation	documentation Relevant data for the units within a passenger train
source	

```
<xs:element name="UnitData">
  <xs:annotation>
    <xs:documentation>Relevant data for the units within a passenger
train</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="UnitPositionInTrain">
        <xs:simpleType>
          <xs:restriction base="xs:integer">
            <xs:minInclusive value="1"/>
            <xs:maxInclusive value="99"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="UnitIdentification"/>
      <xs:element ref="TractionType" minOccurs="0"/>
      <xs:element ref="TractionMode" minOccurs="0"/>
      <!-- SMO CR 346 (Sector): Regenerative Brake -->
      <xs:element ref="RegenerativeBrake" minOccurs="0"/>
      <xs:element name="PoweredLocomotiveOrTrainset" type="xs:boolean"
minOccurs="0"/>
      <!-- SMO CR 319 (Sector): adding of TypeOfUsedHybridPowerunit -->
      <xs:element ref="TypeOfUsedHybridPowerunit" minOccurs="0"/>
      <xs:element ref="DriverIndication" minOccurs="0"/>
      <xs:element name="KeeperShortName" type="xs:string" minOccurs="0"/>
      <xs:element ref="PassengerUnitRestriction" minOccurs="0"/>
      <xs:element ref="ItineraryOfUnit" minOccurs="0"/>
      <xs:element ref="InternalVehicleFacility" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element ref="CharacteristicDescriptionCode" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element ref="FacilityTypeDescriptionCode" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element ref="CommercialService" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="SpecialServiceDescription" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="InformationToBeDisplayed"
type="InformationToBeDisplayedCode" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="UnitCommercialData" minOccurs="0"/>
      <xs:element ref="FreeTextField" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="Parameters" minOccurs="0" maxOccurs="unbounded"/>
      <!-- Sector schema CR: 219 -->
```

```
      <xs:element ref="UnitTechnicalData" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **UnitData/UnitPositionInTrain**

diagram	UnitPositionInTrain
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
facets	Kind / Value / Annotation minInclusive 1 maxInclusive 99

source	`<xs:element name="UnitPositionInTrain">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="99"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **UnitData/PoweredLocomotiveOrTrainset**

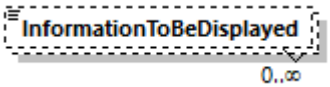
diagram	PoweredLocomotiveOrTrainset
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="PoweredLocomotiveOrTrainset" type="xs:boolean" minOccurs="0"/>`

element **UnitData/KeeperShortName**

diagram	KeeperShortName
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple

source	`<xs:element name="KeeperShortName" type="xs:string" minOccurs="0"/>`

element **UnitData/InformationToBeDisplayed**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**InformationToBeDisplayedCode**
properties	minOcc 0 maxOcc unbounded content simple
facets	Kind / Value / Annotation enumeration 01 documentation First-class seats vehicle enumeration 02 documentation First-class couchettes vehicle enumeration 03 documentation First-class sleepers vehicle enumeration 04 documentation Second-class seats vehicle enumeration 05 documentation Second-class couchettes vehicle enumeration 06 documentation Second-class sleepers vehicle enumeration 07 documentation Second-class reclining seats vehicle enumeration 08 documentation Panorama vehicle enumeration 09 documentation Dining vehicle enumeration 10 documentation Bar/Bistro vehicle enumeration 11 documentation Mobile dining service enumeration 12 documentation Cars loaded enumeration 13 documentation Cars loaded against direction of travel enumeration 14 documentation Cars loaded in direction of travel enumeration 15 documentation Non-smoking vehicle enumeration 16 documentation Vehicle with smoking compartments enumeration 17 documentation Vehicle with PRM access enumeration 18 documentation Silence vehicle enumeration 19 documentation Vehicle with child/family facilities enumeration 20 documentation Vehicle with compartments reserved for women enumeration 21 documentation Bike accepted enumeration 22 documentation

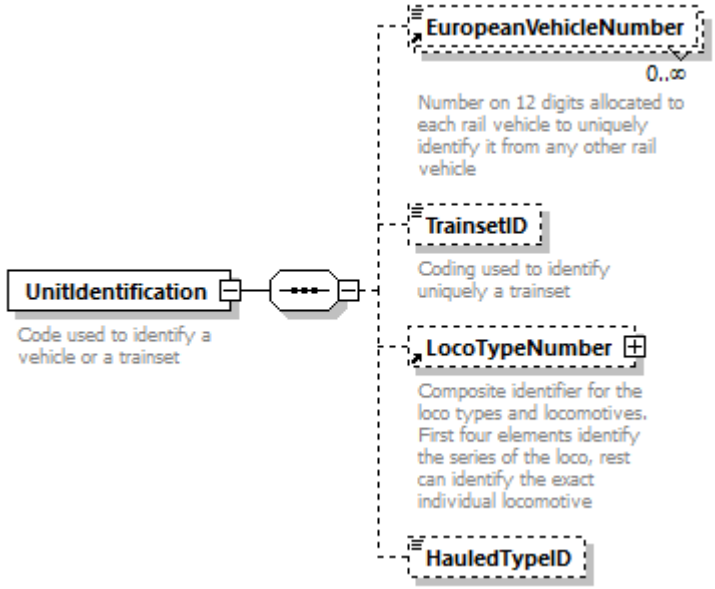
			Bike accepted for free
	enumeration	23	documentation Bike accepted against paiement
	enumeration	24	documentation Special vehicle
	enumeration	25	documentation Telephone
	enumeration	26	documentation Wifi
	enumeration	27	documentation Service vehicle
	enumeration	28	documentation Train staff available in this vehicle
	enumeration	29	documentation Not in service vehicle
	enumeration	30	documentation With supplement
	enumeration	31	documentation Reservation compulsory

source

```
<xs:element name="InformationToBeDisplayed" type="InformationToBeDisplayedCode"
minOccurs="0" maxOccurs="unbounded"/>
```

element **UnitIdentification**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**EuropeanVehicleNumber** **TrainsetID** **LocoTypeNumber** **HauledTypeID**
used by	elements **RollingStockRestrictionMessage** **UnitData**
annotation	documentation Code used to identify a vehicle or a trainset

source

```
<xs:element name="UnitIdentification">
  <xs:annotation>
    <xs:documentation>Code used to identify a vehicle or a
```

```
trainset</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="EuropeanVehicleNumber" minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element name="TrainsetID" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Coding used to identify uniquely a
trainset</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="12"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="LocoTypeNumber" minOccurs="0"/>
      <xs:element name="HauledTypeID" type="xs:string" minOccurs="0"/>
      <!-- Pending Task Force PTCPM: Define correctly the type -->
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **UnitIdentification/TrainsetID**

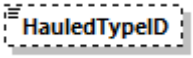
diagram	TrainsetID Coding used to identify uniquely a trainset
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 12
annotation	documentation Coding used to identify uniquely a trainset

source

```
<xs:element name="TrainsetID" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Coding used to identify uniquely a
trainset</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="12"/>
    </xs:restriction>
  </xs:simpleType>
```

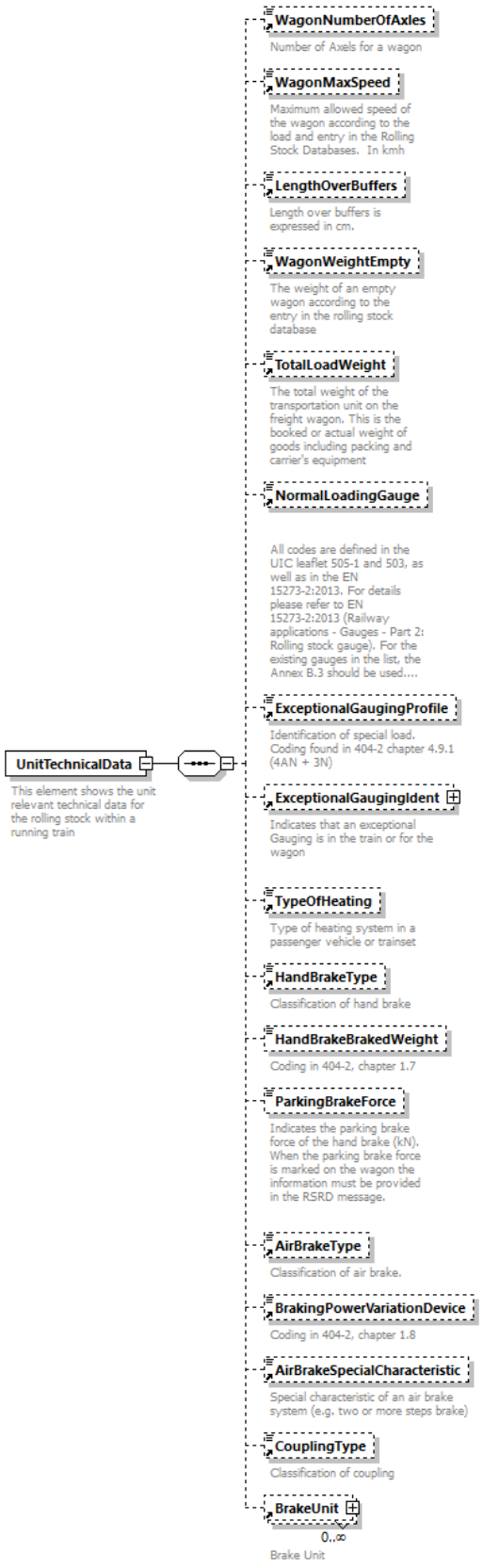
	`</xs:element>`

element **UnitIdentification/HauledTypeID**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="HauledTypeID" type="xs:string" minOccurs="0"/>`

element **UnitTechnicalData**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**WagonNumberOfAxles** **WagonMaxSpeed** **LengthOverBuffers** **WagonWeightEmpty** **TotalLoadWeight** **NormalLoadingGauge** **ExceptionalGaugingProfile** **ExceptionalGaugingIdent** **TypeOfHeating** **HandBrakeType** **HandBrakeBrakedWeight** **ParkingBrakeForce** **AirBrakeType** **BrakingPowerVariationDevice** **AirBrakeSpecialCharacteristic** **CouplingType** **BrakeUnit**
used by	element **UnitData**
annotation	documentation This element shows the unit relevant technical data for the rolling stock within a running train

source

```
<xs:element name="UnitTechnicalData">
  <xs:annotation>
    <xs:documentation>This element shows the unit relevant technical data for the
rolling stock within a running train</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="WagonNumberOfAxles" minOccurs="0"/>
      <xs:element ref="WagonMaxSpeed" minOccurs="0"/>
      <xs:element ref="LengthOverBuffers" minOccurs="0"/>
      <xs:element ref="WagonWeightEmpty" minOccurs="0"/>
      <xs:element ref="TotalLoadWeight" minOccurs="0"/>
      <xs:element ref="NormalLoadingGauge" minOccurs="0"/>
      <xs:element ref="ExceptionalGaugingProfile" minOccurs="0"/>
      <xs:element ref="ExceptionalGaugingIdent" minOccurs="0"/>
      <xs:element ref="TypeOfHeating" minOccurs="0"/>
      <xs:element ref="HandBrakeType" minOccurs="0"/>
      <xs:element name="HandBrakeBrakedWeight" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Coding in 404-2, chapter 1.7 </xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:integer">
            <xs:minInclusive value="000"/>
            <xs:maxInclusive value="999"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ParkingBrakeForce" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Indicates the parking brake force of the hand brake
(kN). When the parking brake force is marked on the wagon the information must be
provided in the RSRD message.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:decimal">
            <xs:totalDigits value="5"/>
            <xs:fractionDigits value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="AirBrakeType" minOccurs="0"/>
      <xs:element ref="BrakingPowerVariationDevice" minOccurs="0"/>
```

```
      <xs:element ref="AirBrakeSpecialCharacteristic" minOccurs="0"/>
      <xs:element ref="CouplingType" minOccurs="0"/>
      <xs:element ref="BrakeUnit" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **UnitTechnicalData/HandBrakeBrakedWeight**

diagram	**HandBrakeBrakedWeight** Coding in 404-2, chapter 1.7
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 000 maxInclusive 999
annotation	documentation Coding in 404-2, chapter 1.7

source

```
<xs:element name="HandBrakeBrakedWeight" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Coding in 404-2, chapter 1.7 </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="000"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **UnitTechnicalData/ParkingBrakeForce**

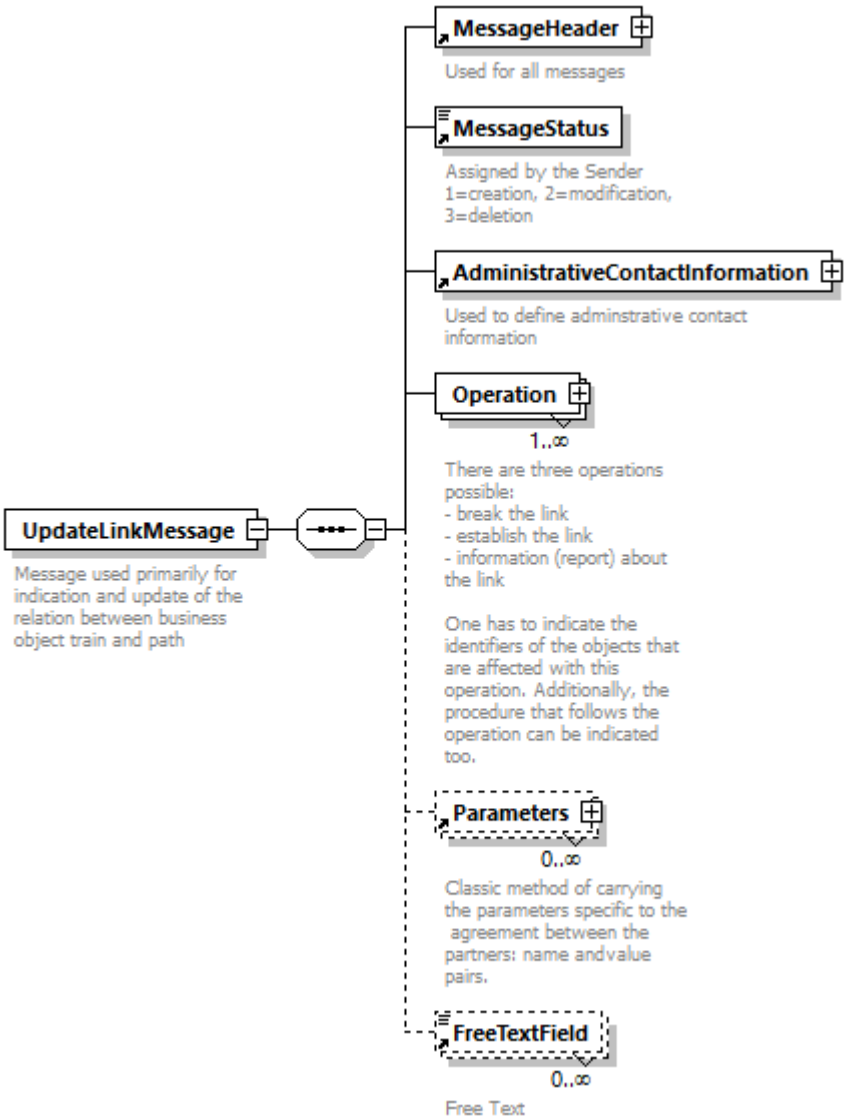
diagram	**ParkingBrakeForce** Indicates the parking brake force of the hand brake (kN). When the parking brake force is marked on the wagon the information must be provided in the RSRD message.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:decimal**
properties	minOcc 0 maxOcc 1 content simple

used by	elements **HandBrake** **WagonTechData**
facets	Kind / Value / Annotation totalDigits 5 fractionDigits 1
annotation	documentation Indicates the parking brake force of the hand brake (kN). When the parking brake force is marked on the wagon the information must be provided in the RSRD message.

source	`<xs:element name="ParkingBrakeForce" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Indicates the parking brake force of the hand brake (kN). When the parking brake force is marked on the wagon the information must be provided in the RSRD message.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:decimal">`
	`  <xs:totalDigits value="5"/>`
	`  <xs:fractionDigits value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **UpdateLinkMessage**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **MessageStatus** **AdministrativeContactInformation** **Operation** **Parameters** **FreeTextField**
annotation	documentation Message used primarily for indication and update of the relation between business object train and path

source

```
<xs:element name="UpdateLinkMessage">
  <xs:annotation>
    <xs:documentation>Message used primarily for indication and update of the
relation between business object train and path</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="MessageStatus"/>
      <xs:element ref="AdministrativeContactInformation"/>
```

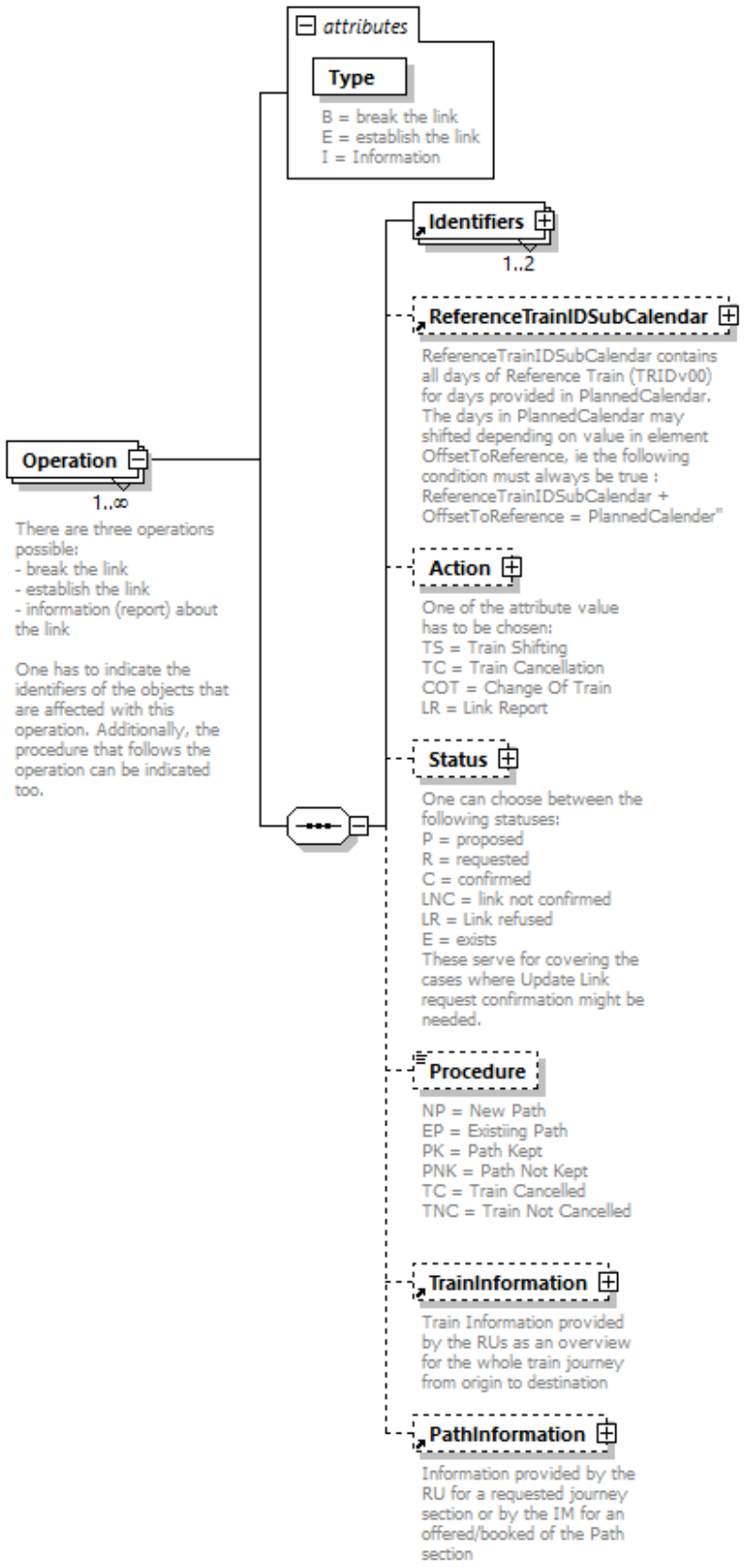
```
      <xs:element name="Operation" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>There are three operations possible:
- break the link
- establish the link
- information (report) about the link

One has to indicate the identifiers of the objects that are affected with this
operation. Additionally, the procedure that follows the operation can be indicated
too.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="Identifiers" maxOccurs="2"/>
            <xs:element ref="ReferenceTrainIDSubCalendar" minOccurs="0"/>
            <xs:element name="Action" minOccurs="0">
              <xs:annotation>
                <xs:documentation>One of the attribute value has to be chosen:
TS = Train Shifting
TC = Train Cancellation
COT = Change Of Train
LR = Link Report</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:attribute name="Type" use="required">
                  <xs:annotation>
                    <xs:documentation>TS = Train Shifting
TC = Train Cancellation
COT = Change Of Train
LR = Link Report</xs:documentation>
                  </xs:annotation>
                  <xs:simpleType>
                    <xs:restriction base="xs:string">
                      <xs:enumeration value="TS"/>
                      <xs:enumeration value="TC"/>
                      <xs:enumeration value="COT"/>
                      <xs:enumeration value="LR"/>
                    </xs:restriction>
                  </xs:simpleType>
                </xs:attribute>
              </xs:complexType>
            </xs:element>
            <xs:element name="Status" minOccurs="0">
              <xs:annotation>
                <xs:documentation>One can choose between the following statuses:
P = proposed
R = requested
C = confirmed
LNC = link not confirmed
LR = Link refused
E = exists
These serve for covering the cases where Update Link request confirmation might be
needed.</xs:documentation>
              </xs:annotation>
              <xs:complexType>
```

```
                <xs:attribute name="Type" use="required">
                  <xs:annotation>
                    <xs:documentation>P = proposed
R = requested
C = confirmed
LNC = link not confirmed
LR = Link refused
E = exists</xs:documentation>
                  </xs:annotation>
                  <xs:simpleType>
                    <xs:restriction base="xs:string">
                      <xs:enumeration value="P"/>
                      <xs:enumeration value="R"/>
                      <xs:enumeration value="C"/>
                      <xs:enumeration value="LNC"/>
                      <xs:enumeration value="LR"/>
                      <xs:enumeration value="E"/>
                    </xs:restriction>
                  </xs:simpleType>
                </xs:attribute>
              </xs:complexType>
            </xs:element>
            <xs:element name="Procedure" minOccurs="0">
              <xs:annotation>
                <xs:documentation>NP = New Path
EP = Existiing Path
PK = Path Kept
PNK = Path Not Kept
TC = Train Cancelled
TNC = Train Not Cancelled
</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:enumeration value="NP"/>
                  <xs:enumeration value="EP"/>
                  <xs:enumeration value="PK"/>
                  <xs:enumeration value="PNK"/>
                  <xs:enumeration value="TC"/>
                  <xs:enumeration value="TNC"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element ref="TrainInformation" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Train Information provided by the RUs as an
overview for the whole train journey from origin to destination</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="PathInformation" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Information provided by the RU for a requested
journey section or by the IM for an offered/booked of the Path
section</xs:documentation>
              </xs:annotation>
```

```
            </xs:element>
          </xs:sequence>
          <xs:attribute name="Type" use="required">
            <xs:annotation>
              <xs:documentation>B = break the link
E = establish the link
I = Information</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:enumeration value="B"/>
                <xs:enumeration value="E"/>
                <xs:enumeration value="I"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:attribute>
        </xs:complexType>
      </xs:element>
      <xs:element ref="Parameters" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="FreeTextField" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **UpdateLinkMessage/Operation**

diagram


attributes
Type
B = break the link
E = establish the link
I = Information
Identifiers
1..2
ReferenceTrainIDSubCalendar
ReferenceTrainIDSubCalendar contains all days of Reference Train (TRIDv00) for days provided in PlannedCalendar. The days in PlannedCalendar may shifted depending on value in element OffsetToReference, ie the following condition must always be true : ReferenceTrainIDSubCalendar + OffsetToReference = PlannedCalender"
Operation
1..∞
There are three operations possible:
- break the link
- establish the link
- information (report) about the link
One has to indicate the identifiers of the objects that are affected with this operation. Additionally, the procedure that follows the operation can be indicated too.
Action
One of the attribute value has to be chosen:
TS = Train Shifting
TC = Train Cancellation
COT = Change Of Train
LR = Link Report
Status
One can choose between the following statuses:
P = proposed
R = requested
C = confirmed
LNC = link not confirmed
LR = Link refused
E = exists
These serve for covering the cases where Update Link request confirmation might be needed.
Procedure
NP = New Path
EP = Existiing Path
PK = Path Kept
PNK = Path Not Kept
TC = Train Cancelled
TNC = Train Not Cancelled
TrainInformation
Train Information provided by the RUs as an overview for the whole train journey from origin to destination
PathInformation
Information provided by the RU for a requested journey section or by the IM for an offered/booked of the Path section

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 1 maxOcc unbounded content complex
children	**Identifiers** **ReferenceTrainIDSubCalendar** **Action** **Status** **Procedure** **TrainInformation** **PathInformation**
attributes	Name: Type Type: **derived by: xs:string** Use: required Default: Fixed: Annotation documentation: B = break the link E = establish the link I = Information
annotation	documentation There are three operations possible: - break the link - establish the link - information (report) about the link One has to indicate the identifiers of the objects that are affected with this operation. Additionally, the procedure that follows the operation can be indicated too.

source

```
<xs:element name="Operation" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>There are three operations possible:
- break the link
- establish the link
- information (report) about the link

One has to indicate the identifiers of the objects that are affected with this
operation. Additionally, the procedure that follows the operation can be indicated
too.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Identifiers" maxOccurs="2"/>
      <xs:element ref="ReferenceTrainIDSubCalendar" minOccurs="0"/>
      <xs:element name="Action" minOccurs="0">
        <xs:annotation>
          <xs:documentation>One of the attribute value has to be chosen:
TS = Train Shifting
TC = Train Cancellation
COT = Change Of Train
LR = Link Report</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:attribute name="Type" use="required">
            <xs:annotation>
              <xs:documentation>TS = Train Shifting
TC = Train Cancellation
COT = Change Of Train
LR = Link Report</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:enumeration value="TS"/>
                <xs:enumeration value="TC"/>
```

```
                <xs:enumeration value="COT"/>
                <xs:enumeration value="LR"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:attribute>
        </xs:complexType>
      </xs:element>
      <xs:element name="Status" minOccurs="0">
        <xs:annotation>
          <xs:documentation>One can choose between the following statuses:
P = proposed
R = requested
C = confirmed
LNC = link not confirmed
LR = Link refused
E = exists
These serve for covering the cases where Update Link request confirmation might be
needed.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:attribute name="Type" use="required">
            <xs:annotation>
              <xs:documentation>P = proposed
R = requested
C = confirmed
LNC = link not confirmed
LR = Link refused
E = exists</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:enumeration value="P"/>
                <xs:enumeration value="R"/>
                <xs:enumeration value="C"/>
                <xs:enumeration value="LNC"/>
                <xs:enumeration value="LR"/>
                <xs:enumeration value="E"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:attribute>
        </xs:complexType>
      </xs:element>
      <xs:element name="Procedure" minOccurs="0">
        <xs:annotation>
          <xs:documentation>NP = New Path
EP = Existiing Path
PK = Path Kept
PNK = Path Not Kept
TC = Train Cancelled
TNC = Train Not Cancelled
</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:enumeration value="NP"/>
```

```
            <xs:enumeration value="EP"/>
            <xs:enumeration value="PK"/>
            <xs:enumeration value="PNK"/>
            <xs:enumeration value="TC"/>
            <xs:enumeration value="TNC"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="TrainInformation" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Train Information provided by the RUs as an overview for
the whole train journey from origin to destination</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="PathInformation" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Information provided by the RU for a requested journey
section or by the IM for an offered/booked of the Path section</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
    <xs:attribute name="Type" use="required">
      <xs:annotation>
        <xs:documentation>B = break the link
E = establish the link
I = Information</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="B"/>
          <xs:enumeration value="E"/>
          <xs:enumeration value="I"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
  </xs:complexType>
</xs:element>
```

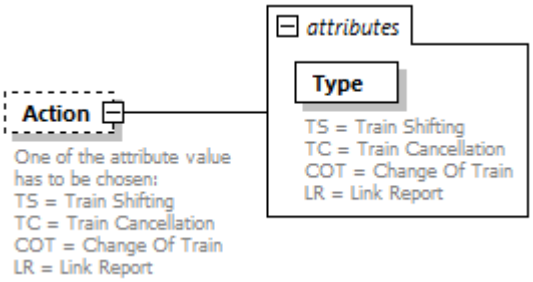
attribute **UpdateLinkMessage/Operation/@Type**

type	restriction of **xs:string**
properties	use required
facets	Kind / Value / Annotation enumeration B enumeration E enumeration I
annotation	documentation B = break the link E = establish the link I = Information
source	`<xs:attribute name="Type" use="required">` `  <xs:annotation>`

```
    <xs:documentation>B = break the link
E = establish the link
I = Information</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="B"/>
      <xs:enumeration value="E"/>
      <xs:enumeration value="I"/>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>
```

element **UpdateLinkMessage/Operation/Action**

diagram



namespace: http://www.era.europa.eu/schemes/TAFTSI/3.5

properties

minOcc	0
maxOcc	1
content	complex

attributes

Name	Type	Use	Default	Fixed	Annotation
Type	**derived by: xs:string**	required			documentation TS = Train Shifting TC = Train Cancellation COT = Change Of Train LR = Link Report

annotation

documentation
One of the attribute value has to be chosen:
TS = Train Shifting
TC = Train Cancellation
COT = Change Of Train
LR = Link Report

source

```
<xs:element name="Action" minOccurs="0">
  <xs:annotation>
    <xs:documentation>One of the attribute value has to be chosen:
TS = Train Shifting
TC = Train Cancellation
COT = Change Of Train
LR = Link Report</xs:documentation>
  </xs:annotation>
  <xs:complexType>
```

```
    <xs:attribute name="Type" use="required">
      <xs:annotation>
        <xs:documentation>TS = Train Shifting
TC = Train Cancellation
COT = Change Of Train
LR = Link Report</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="TS"/>
          <xs:enumeration value="TC"/>
          <xs:enumeration value="COT"/>
          <xs:enumeration value="LR"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
  </xs:complexType>
</xs:element>
```

attribute **UpdateLinkMessage/Operation/Action/@Type**

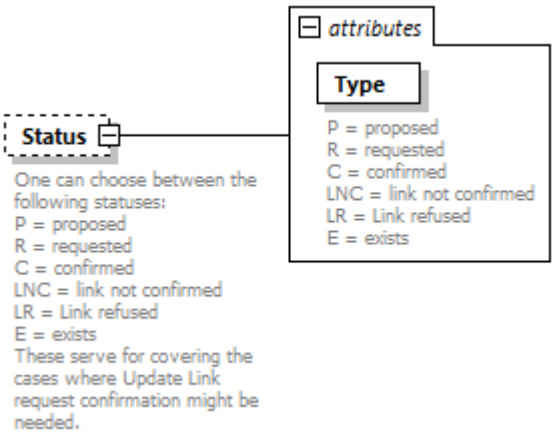
type	restriction of **xs:string**
properties	use required
facets	Kind / Value / Annotation enumeration TS enumeration TC enumeration COT enumeration LR
annotation	documentation TS = Train Shifting TC = Train Cancellation COT = Change Of Train LR = Link Report

source

```
<xs:attribute name="Type" use="required">
  <xs:annotation>
    <xs:documentation>TS = Train Shifting
TC = Train Cancellation
COT = Change Of Train
LR = Link Report</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="TS"/>
      <xs:enumeration value="TC"/>
      <xs:enumeration value="COT"/>
      <xs:enumeration value="LR"/>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>
```

element **UpdateLinkMessage/Operation/Status**

diagram



namespace: http://www.era.europa.eu/schemes/TAFTSI/3.5

properties

minOcc	0
maxOcc	1
content	complex

attributes

Name	Type	Use	Default	Fixed	Annotation
Type	**derived by: xs:string**	required			documentation P = proposed R = requested C = confirmed LNC = link not confirmed LR = Link refused E = exists

annotation

documentation

One can choose between the following statuses:
P = proposed
R = requested
C = confirmed
LNC = link not confirmed
LR = Link refused
E = exists
These serve for covering the cases where Update Link request confirmation might be needed.

source

```
<xs:element name="Status" minOccurs="0">
  <xs:annotation>
    <xs:documentation>One can choose between the following statuses:
P = proposed
R = requested
C = confirmed
LNC = link not confirmed
LR = Link refused
E = exists
These serve for covering the cases where Update Link request confirmation might be
needed.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:attribute name="Type" use="required">
      <xs:annotation>
        <xs:documentation>P = proposed
R = requested
```

```
C = confirmed
LNC = link not confirmed
LR = Link refused
E = exists</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:enumeration value="P"/>
          <xs:enumeration value="R"/>
          <xs:enumeration value="C"/>
          <xs:enumeration value="LNC"/>
          <xs:enumeration value="LR"/>
          <xs:enumeration value="E"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
  </xs:complexType>
</xs:element>
```

attribute **UpdateLinkMessage/Operation/Status/@Type**

type	restriction of **xs:string**
properties	use required
facets	Kind / Value / Annotation enumeration P enumeration R enumeration C enumeration LNC enumeration LR enumeration E
annotation	documentation P = proposed R = requested C = confirmed LNC = link not confirmed LR = Link refused E = exists

source

```
<xs:attribute name="Type" use="required">
  <xs:annotation>
    <xs:documentation>P = proposed
R = requested
C = confirmed
LNC = link not confirmed
LR = Link refused
E = exists</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="P"/>
      <xs:enumeration value="R"/>
      <xs:enumeration value="C"/>
      <xs:enumeration value="LNC"/>
```

```
      <xs:enumeration value="LR"/>
      <xs:enumeration value="E"/>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>
```

element **UpdateLinkMessage/Operation/Procedure**

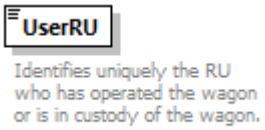
diagram	Procedure NP = New Path EP = Existiing Path PK = Path Kept PNK = Path Not Kept TC = Train Cancelled TNC = Train Not Cancelled
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation enumeration NP enumeration EP enumeration PK enumeration PNK enumeration TC enumeration TNC
annotation	documentation NP = New Path EP = Existiing Path PK = Path Kept PNK = Path Not Kept TC = Train Cancelled TNC = Train Not Cancelled

source

```
<xs:element name="Procedure" minOccurs="0">
  <xs:annotation>
    <xs:documentation>NP = New Path
EP = Existiing Path
PK = Path Kept
PNK = Path Not Kept
TC = Train Cancelled
TNC = Train Not Cancelled
</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="NP"/>
      <xs:enumeration value="EP"/>
      <xs:enumeration value="PK"/>
      <xs:enumeration value="PNK"/>
```

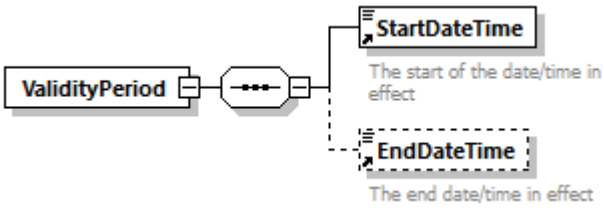
```
      <xs:enumeration value="TC"/>
      <xs:enumeration value="TNC"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **UserRU**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
used by	element **WagonPerformanceMessage/PerformanceData**
facets	Kind / Value / Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Identifies uniquely the RU who has operated the wagon or is in custody of the wagon.

source	`<xs:element name="UserRU" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies uniquely the RU who has operated the wagon or is in custody of the wagon.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ValidityPeriod**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**StartDateTime** **EndDateTime**
used by	elements **LocationPrimaryInformation** **LocationSubsidiaryInformation** **PlannedCalendar** **ReferenceTrainIDSubCalendar** **RequestedCalendar** complexType **TCRTimeType**
source	`<xs:element name="ValidityPeriod">`

```
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="StartDateTime"/>
      <xs:element ref="EndDateTime" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **Value**

diagram	Value
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:decimal**
properties	content simple
used by	elements **Height** **Length** **Width**
facets	Kind / Value / Annotation minInclusive 0 maxInclusive 9999999999 fractionDigits 1

source

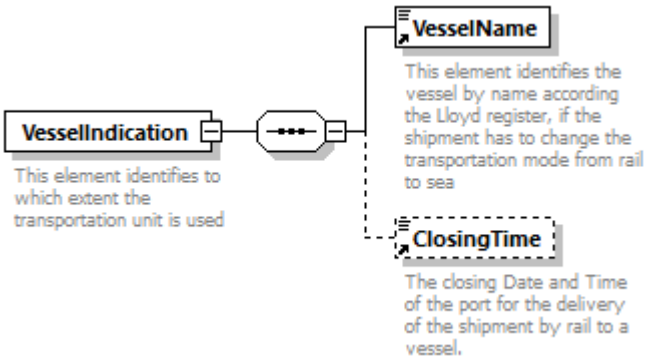
```
<xs:element name="Value">
  <xs:simpleType>
    <xs:restriction base="xs:decimal">
      <xs:minInclusive value="0"/>
      <xs:fractionDigits value="1"/>
      <xs:maxInclusive value="9999999999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Variant**

diagram	Variant The variant shows a relationship between two identifiers referring to the same business case
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
used by	complexTypes **CompositIdentifierOperationalType** **CompositIdentifierPlannedType**
facets	Kind / Value / Annotation minLength 2 maxLength 2 pattern [0-9A-Z]{2}

annotation	documentation The variant shows a relationship between two identifiers referring to the same business case
source	<xs:element name="Variant"> <xs:annotation> <xs:documentation>The variant shows a relationship between two identifiers referring to the same business case</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="2"/> <xs:maxLength value="2"/> <xs:pattern value="[0-9A-Z]{2}"/> </xs:restriction> </xs:simpleType> </xs:element>

element **VesselIndication**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**VesselName** **ClosingTime**
used by	element **Ship**
annotation	documentation This element identifies to which extent the transportation unit is used
source	<xs:element name="VesselIndication"> <xs:annotation> <xs:documentation>This element identifies to which extent the transportation unit is used</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="VesselName"/> <xs:element ref="ClosingTime" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

element **VesselName**

diagram	VesselName This element identifies the vessel by name according the Lloyd register, if the shipment has to change the transportation mode from rail to sea
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Name**
properties	content simple
used by	element **VesselIndication**
facets	Kind Value Annotation maxLength 254
annotation	documentation This element identifies the vessel by name according the Lloyd register, if the shipment has to change the transportation mode from rail to sea

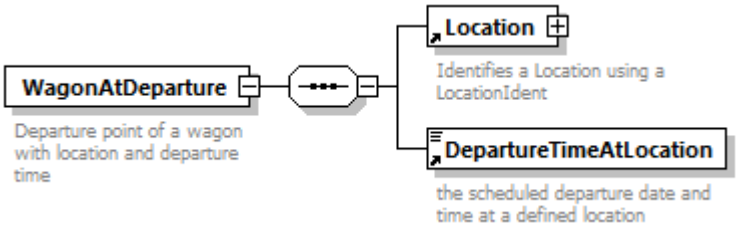
source	`<xs:element name="VesselName" type="Name">`
	`  <xs:annotation>`
	`  <xs:documentation>This element identifies the vessel by name according the Lloyd register, if the shipment has to change the transportation mode from rail to sea</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **Volume**

diagram	Volume Identifies the volume of a shipment, expressed in cubic metres
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**VolumeValue**
properties	content simple
annotation	documentation Identifies the volume of a shipment, expressed in cubic metres

source	`<xs:element name="Volume" type="VolumeValue">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the volume of a shipment, expressed in cubic metres</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

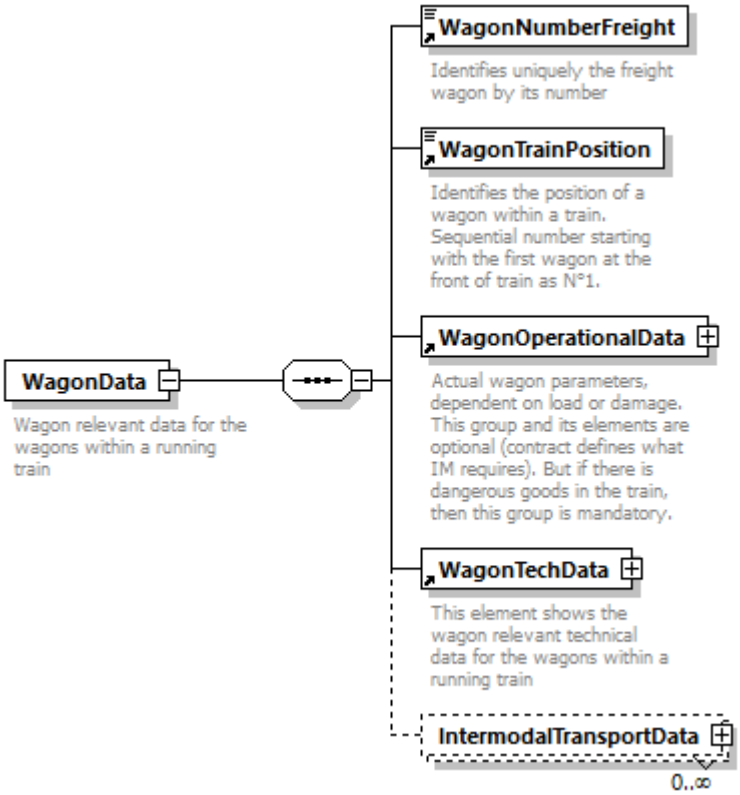
element **WagonAtDeparture**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Location** **DepartureTimeAtLocation**
annotation	documentation Departure point of a wagon with location and departure time

source	`<xs:element name="WagonAtDeparture">`
	`  <xs:annotation>`
	`  <xs:documentation>Departure point of a wagon with location and departure time</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Location"/>`
	`  <xs:element ref="DepartureTimeAtLocation"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **WagonData**

diagram

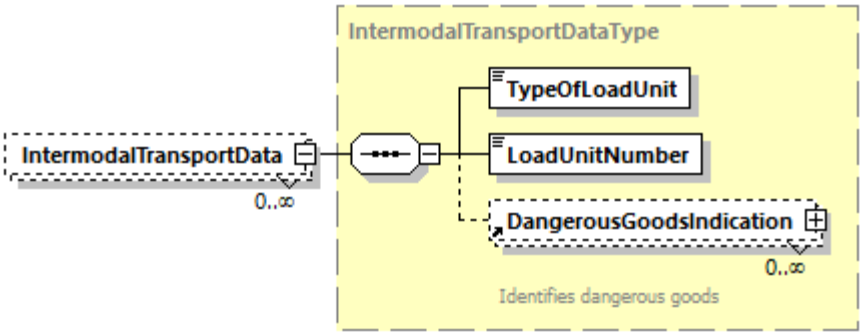


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**WagonNumberFreight** **WagonTrainPosition** **WagonOperationalData** **WagonTechData** **IntermodalTransportData**
used by	element **TrainCompositionJourneySection**
annotation	documentation Wagon relevant data for the wagons within a running train

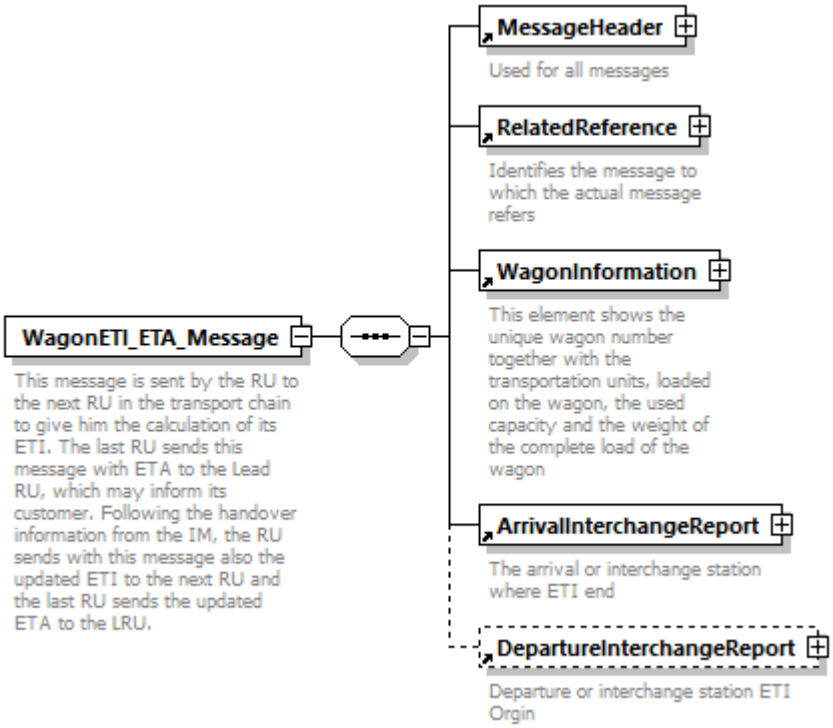
source

```
<xs:element name="WagonData">
  <xs:annotation>
    <xs:documentation>Wagon relevant data for the wagons within a running
train</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="WagonNumberFreight"/>
      <xs:element ref="WagonTrainPosition"/>
      <xs:element ref="WagonOperationalData"/>
      <xs:element ref="WagonTechData"/>
      <xs:element name="IntermodalTransportData"
type="IntermodalTransportDataType" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonData/IntermodalTransportData**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**IntermodalTransportDataType**
properties	minOcc 0 maxOcc unbounded content complex
children	**TypeOfLoadUnit** **LoadUnitNumber** **DangerousGoodsIndication**
source	`<xs:element name="IntermodalTransportData" type="IntermodalTransportDataType" minOccurs="0" maxOccurs="unbounded"/>`

element **WagonETI_ETA_Message**

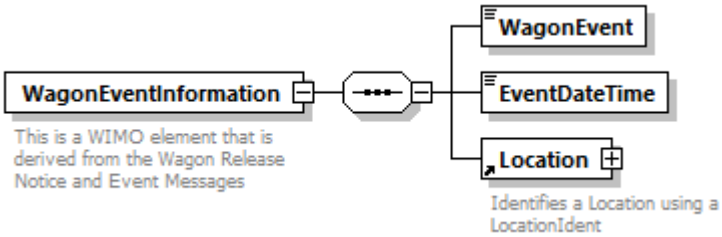
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex

children	**MessageHeader** **RelatedReference** **WagonInformation** **ArrivalInterchangeReport** **DepartureInterchangeReport**
annotation	documentation This message is sent by the RU to the next RU in the transport chain to give him the calculation of its ETI. The last RU sends this message with ETA to the Lead RU, which may inform its customer. Following the handover information from the IM, the RU sends with this message also the updated ETI to the next RU and the last RU sends the updated ETA to the LRU.

source

```
<xs:element name="WagonETI_ETA_Message">
  <xs:annotation>
    <xs:documentation>This message is sent by the RU to the next RU in the transport chain to give him the calculation of its ETI. The last RU sends this message with ETA to the Lead RU, which may inform its customer. Following the handover information from the IM, the RU sends with this message also the updated ETI to the next RU and the last RU sends the updated ETA to the LRU.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="RelatedReference"/>
      <xs:element ref="WagonInformation"/>
      <xs:element ref="ArrivalInterchangeReport"/>
      <xs:element ref="DepartureInterchangeReport" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonEventInformation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**WagonEvent** **EventDateTime** **Location**
annotation	documentation This is a WIMO element that is derived from the Wagon Release Notice and Event Messages

source

```
<xs:element name="WagonEventInformation">
  <xs:annotation>
    <xs:documentation>This is a WIMO element that is derived from the Wagon Release Notice and Event Messages</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="WagonEvent">
        <xs:simpleType>
          <xs:restriction base="xs:token">
            <xs:enumeration value="Release"/>
```

```
            <xs:enumeration value="Arrival"/>
            <xs:enumeration value="Departure"/>
            <xs:enumeration value="Exception"/>
            <xs:enumeration value="Delivery"/>
            <xs:enumeration value="InterchangeDelivery"/>
            <xs:enumeration value="InterchangeReceipt"/>
            <xs:enumeration value="YardDeparture"/>
            <xs:enumeration value="YardArrival"/>
            <xs:enumeration value="DeliveryConfirmation"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="EventDateTime" type="xs:dateTime"/>
      <xs:element ref="Location"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonEventInformation/WagonEvent**

diagram	WagonEvent
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
facets	Kind / Value / Annotation enumeration Release enumeration Arrival enumeration Departure enumeration Exception enumeration Delivery enumeration InterchangeDelivery enumeration InterchangeReceipt enumeration YardDeparture enumeration YardArrival enumeration DeliveryConfirmation

source

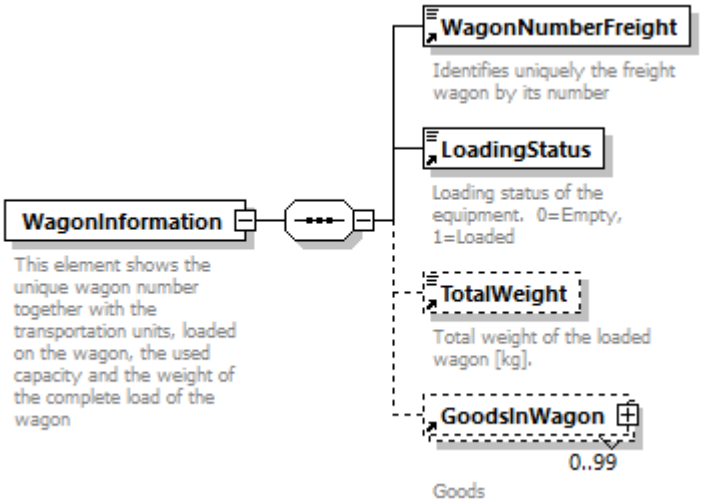
```
<xs:element name="WagonEvent">
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="Release"/>
      <xs:enumeration value="Arrival"/>
      <xs:enumeration value="Departure"/>
      <xs:enumeration value="Exception"/>
      <xs:enumeration value="Delivery"/>
      <xs:enumeration value="InterchangeDelivery"/>
      <xs:enumeration value="InterchangeReceipt"/>
      <xs:enumeration value="YardDeparture"/>
      <xs:enumeration value="YardArrival"/>
      <xs:enumeration value="DeliveryConfirmation"/>
```

```
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **WagonEventInformation/EventDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
source	`<xs:element name="EventDateTime" type="xs:dateTime"/>`

element **WagonInformation**

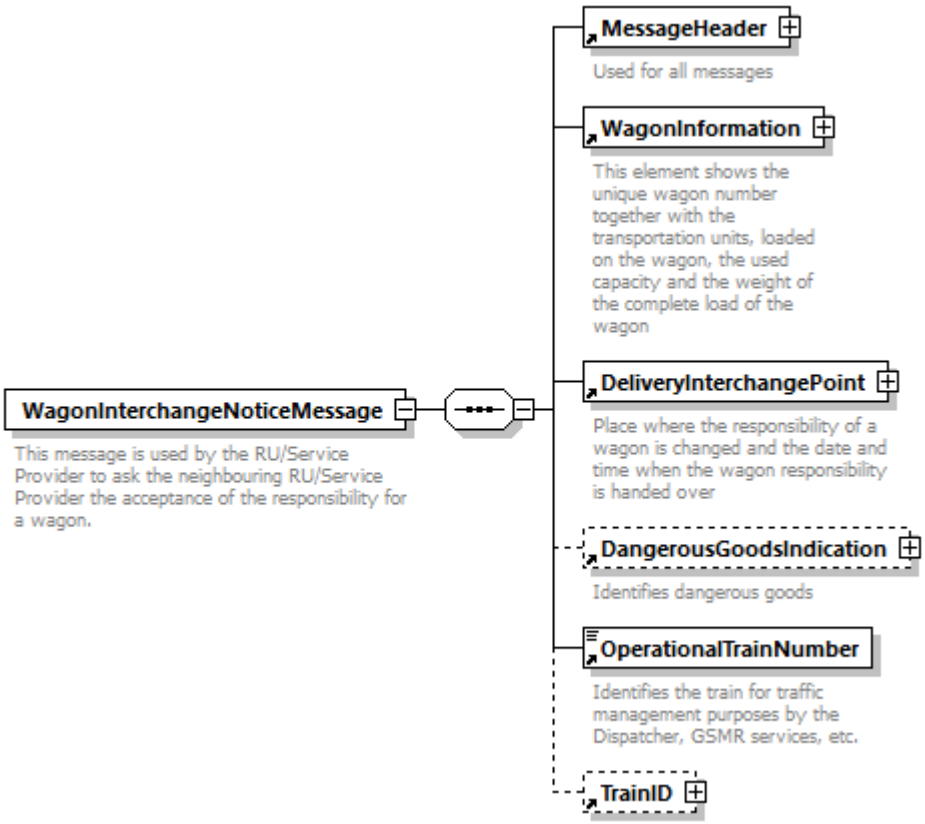
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**WagonNumberFreight** **LoadingStatus** **TotalWeight** **GoodsInWagon**
used by	elements **WagonETI_ETA_Message** **WagonInterchangeNoticeMessage**
annotation	documentation This element shows the unique wagon number together with the transportation units, loaded on the wagon, the used capacity and the weight of the complete load of the wagon

source	`<xs:element name="WagonInformation">`
	`  <xs:annotation>`
	`  <xs:documentation>This element shows the unique wagon number together with the transportation units, loaded on the wagon, the used capacity and the weight of the complete load of the wagon</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`

```
      <xs:element ref="WagonNumberFreight"/>
      <xs:element ref="LoadingStatus"/>
      <xs:element ref="TotalWeight" minOccurs="0"/>
      <xs:element ref="GoodsInWagon" minOccurs="0" maxOccurs="99"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonInterchangeNoticeMessage**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **WagonInformation** **DeliveryInterchangePoint** **DangerousGoodsIndication** **OperationalTrainNumber** **TrainID**
annotation	documentation This message is used by the RU/Service Provider to ask the neighbouring RU/Service Provider the acceptance of the responsibility for a wagon.

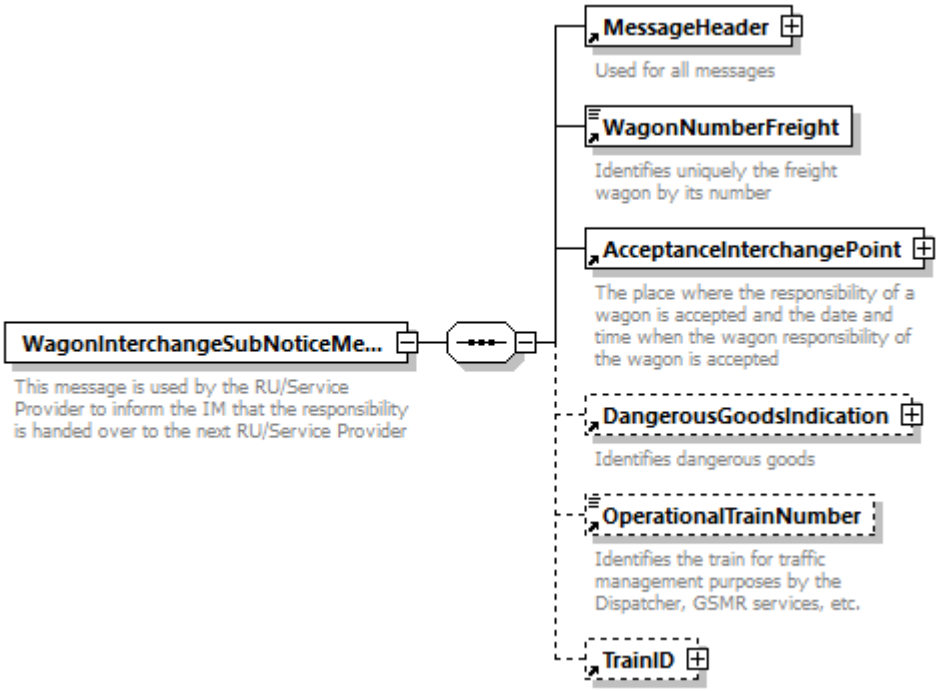
source

```
<xs:element name="WagonInterchangeNoticeMessage">
  <xs:annotation>
    <xs:documentation>This message is used by the RU/Service Provider to ask the
neighbouring RU/Service Provider the acceptance of the responsibility for a
wagon.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
```

```
      <xs:element ref="MessageHeader"/>
      <xs:element ref="WagonInformation"/>
      <xs:element ref="DeliveryInterchangePoint"/>
      <xs:element ref="DangerousGoodsIndication" minOccurs="0"/>
      <xs:element ref="OperationalTrainNumber"/>
      <xs:element ref="TrainID" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonInterchangeSubNoticeMessage**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **WagonNumberFreight** **AcceptanceInterchangePoint** **DangerousGoodsIndication** **OperationalTrainNumber** **TrainID**
annotation	documentation This message is used by the RU/Service Provider to inform the IM that the responsibility is handed over to the next RU/Service Provider

source

```
<xs:element name="WagonInterchangeSubNoticeMessage">
  <xs:annotation>
    <xs:documentation>This message is used by the RU/Service Provider to inform the
IM that the responsibility is handed over to the next RU/Service
Provider</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="WagonNumberFreight"/>
```

```
      <xs:element ref="AcceptanceInterchangePoint"/>
      <xs:element ref="DangerousGoodsIndication" minOccurs="0"/>
      <xs:element ref="OperationalTrainNumber" minOccurs="0"/>
      <xs:element ref="TrainID" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonLength**

diagram	**WagonLength** Length over buffers in cms
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	content simple
used by	element **Wagons/WagonDetails/WagonTypeDetails**
facets	Kind Value Annotation minInclusive 1 maxInclusive 999999
annotation	documentation Length over buffers in cms

source

```
<xs:element name="WagonLength">
  <xs:annotation>
    <xs:documentation>Length over buffers in cms</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:int">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **WagonLocationStatus**

diagram	**WagonLocationStatus** identifies the status of a wagon, related to the actual time at a reporting point
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**RunningStatus**
properties	content simple
used by	element **ExceptionPoint**
facets	Kind Value Annotation enumeration 00 documentation

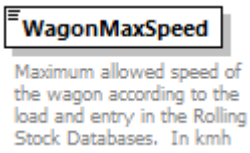
			Not specified
	enumeration	01	documentation Arrival at destination
	enumeration	02	documentation Departure at origin
	enumeration	03	documentation Intermediate arrival
	enumeration	04	documentation Intermediate departure
	enumeration	05	documentation Pass through
	enumeration	06	documentation NEW CODES: Some IMs are transmitting these codes (6 - 9)
	enumeration	07	
	enumeration	08	
	enumeration	09	
	enumeration	10	documentation Not specified for wagon
	enumeration	11	documentation Wagon arrival at its destination by train
	enumeration	12	documentation Wagon departure from its station of origin by train
	enumeration	13	documentation Wagon arrival at reporting point by train
	enumeration	14	documentation Wagon departure from reporting point by train (HLR)
	enumeration	15	documentation Wagon run-through at reporting point by train
	enumeration	16	documentation Wagon parked at reporting point (MAD)
	enumeration	17	documentation Wagon shunted at reporting point
	enumeration	18	documentation Wagon arrived at reporting point
	enumeration	19	documentation Wagon departure from reporting point
annotation	documentation identifies the status of a wagon, related to the actual time at a reporting point		

source

```
<xs:element name="WagonLocationStatus" type="RunningStatus">
  <xs:annotation>
    <xs:documentation>identifies the status of a wagon, related to the actual time
at a reporting point</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **WagonMaxSpeed**

diagram

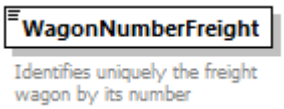


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**

properties	content simple
used by	elements **RollingStockTechnicalData** **UnitTechnicalData** **WagonOperationalData**
facets	Kind Value Annotation minInclusive 001 maxInclusive 999
annotation	documentation Maximum allowed speed of the wagon according to the load and entry in the Rolling Stock Databases. In kmh

source	`<xs:element name="WagonMaxSpeed">`
	`  <xs:annotation>`
	`  <xs:documentation>Maximum allowed speed of the wagon according to the load and entry in the Rolling Stock Databases. In kmh</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:int">`
	`  <xs:minInclusive value="001"/>`
	`  <xs:maxInclusive value="999"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **WagonNumberFreight**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**WagonIdent**
properties	content simple
used by	elements **RollingStockDataset/AdministrativeDataSet** **AlertMessage** **WagonPerformanceMessage/PerformanceData** **RollingStockDatasetMessage/RefusedWagonNumbers** **RollingStockDatasetQueryMessage** **RunningStatusReportMessage/TransportDeviceID** **WagonData** **WagonInformation** **WagonInterchangeSubNoticeMessage** **WagonReceivedAtInterchangeMessage** **WagonRefusedAtInterchangeMessage** **Wagons** **WagonStatusMessages/WagonStatusMessage**
facets	Kind Value Annotation maxLength 12 pattern [0-9]{12}
annotation	documentation Identifies uniquely the freight wagon by its number

source	`<xs:element name="WagonNumberFreight" type="WagonIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies uniquely the freight wagon by its number</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

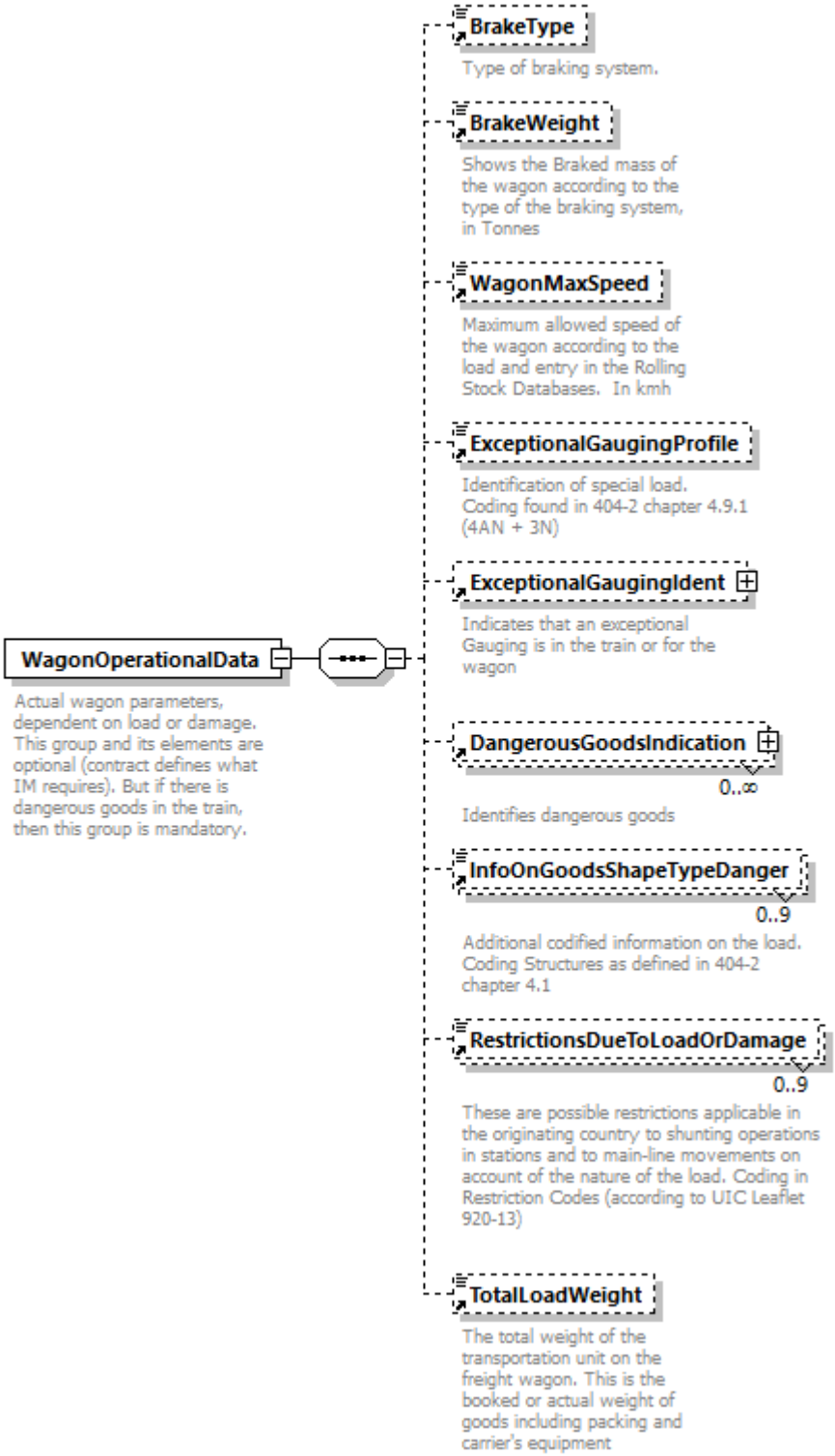
element **WagonNumberOfAxles**

diagram	**WagonNumberOfAxles** Number of Axels for a wagon
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	content simple
used by	elements **RollingStockDataset/DesignDataSet** **UnitTechnicalData** **WagonTechData** **Wagons/WagonDetails/WagonTypeDetails**
facets	Kind Value Annotation minInclusive 2 maxInclusive 99
annotation	documentation Number of Axels for a wagon

source	`<xs:element name="WagonNumberOfAxles">`
	`  <xs:annotation>`
	`  <xs:documentation>Number of Axels for a wagon</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:int">`
	`  <xs:minInclusive value="2"/>`
	`  <xs:maxInclusive value="99"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **WagonOperationalData**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**BrakeType** **BrakeWeight** **WagonMaxSpeed** **ExceptionalGaugingProfile** **ExceptionalGaugingIdent**

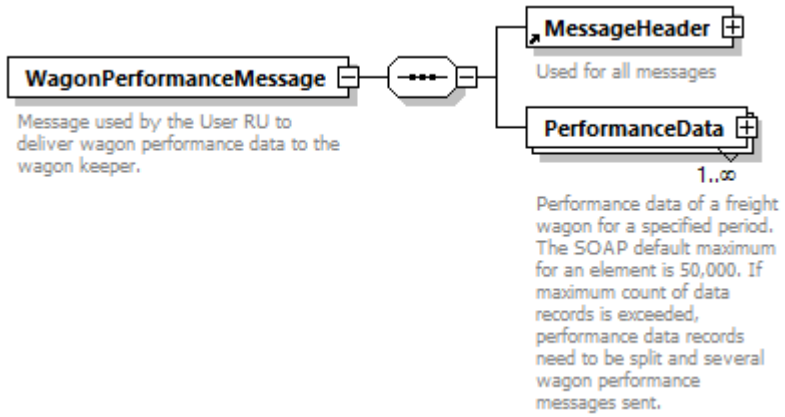
	DangerousGoodsIndication InfoOnGoodsShapeTypeDanger RestrictionsDueToLoadOrDamage TotalLoadWeight
used by	elements TrainOrCoachGroupComposition/Unit WagonData
annotation	documentation Actual wagon parameters, dependent on load or damage. This group and its elements are optional (contract defines what IM requires). But if there is dangerous goods in the train, then this group is mandatory.

source

```
<xs:element name="WagonOperationalData">
  <xs:annotation>
    <xs:documentation>Actual wagon parameters, dependent on load or damage. This group and its elements are optional (contract defines what IM requires). But if there is dangerous goods in the train, then this group is mandatory.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="BrakeType" minOccurs="0"/>
      <xs:element ref="BrakeWeight" minOccurs="0"/>
      <xs:element ref="WagonMaxSpeed" minOccurs="0"/>
      <xs:element ref="ExceptionalGaugingProfile" minOccurs="0"/>
      <xs:element ref="ExceptionalGaugingIdent" minOccurs="0"/>
      <xs:element ref="DangerousGoodsIndication" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="InfoOnGoodsShapeTypeDanger" minOccurs="0" maxOccurs="9"/>
      <xs:element ref="RestrictionsDueToLoadOrDamage" minOccurs="0" maxOccurs="9"/>
      <xs:element ref="TotalLoadWeight" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonPerformanceMessage**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	MessageHeader PerformanceData
annotation	documentation Message used by the User RU to deliver wagon performance data to the wagon keeper.

source

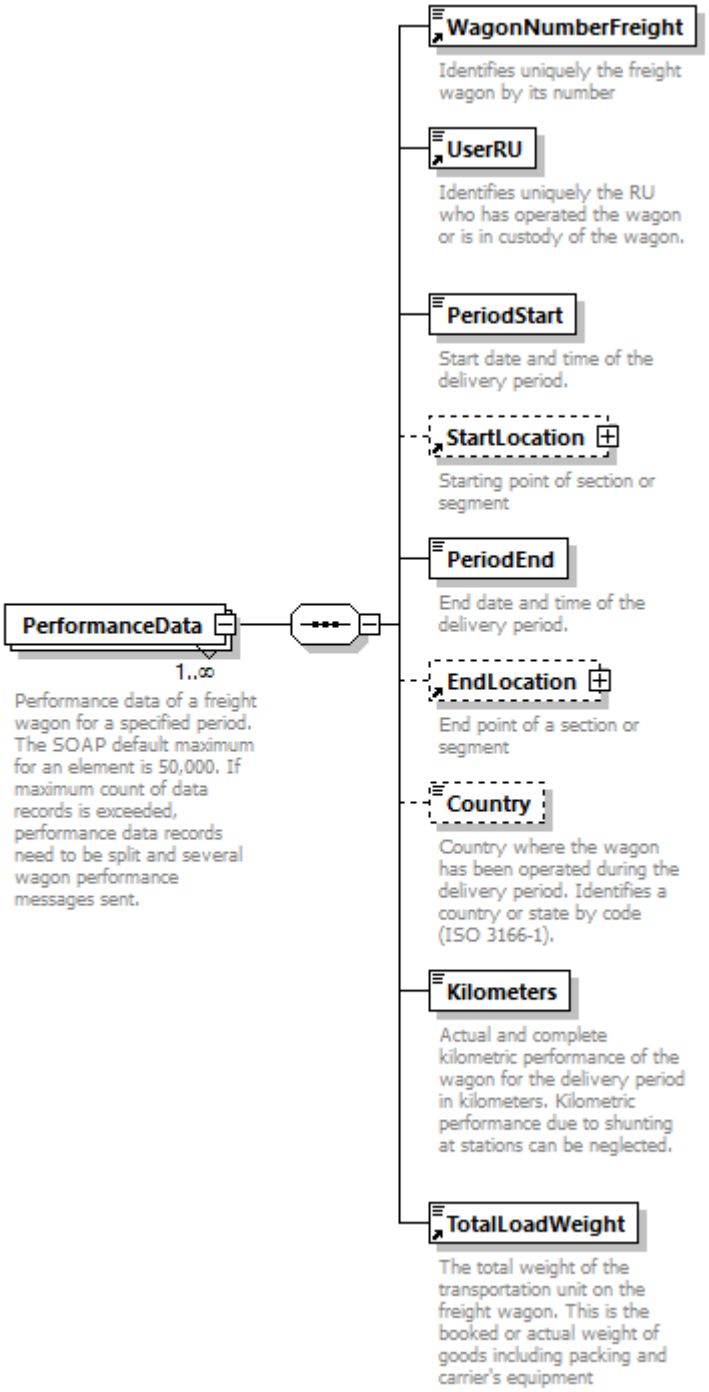
```
<xs:element name="WagonPerformanceMessage">
  <xs:annotation>
```

```
    <xs:documentation>Message used by the User RU to deliver wagon performance data
to the wagon keeper.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element name="PerformanceData" maxOccurs="unbounded">
        <xs:annotation>
          <!-- Sector schema: CR 148 -->
          <xs:documentation>Performance data of a freight wagon for a specified
period. The SOAP default maximum for an element is 50,000. If maximum count of data
records is exceeded, performance data records need to be split and several wagon
performance messages sent.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="WagonNumberFreight"/>
            <xs:element ref="UserRU"/>
            <xs:element name="PeriodStart" type="xs:dateTime">
              <xs:annotation>
                <xs:documentation>Start date and time of the delivery
period.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="StartLocation" minOccurs="0"/>
            <xs:element name="PeriodEnd" type="xs:dateTime">
              <xs:annotation>
                <xs:documentation>End date and time of the delivery
period.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="EndLocation" minOccurs="0"/>
            <xs:element name="Country" type="CountryIdentISO" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Country where the wagon has been operated during
the delivery period. Identifies a country or state by code (ISO
3166-1).</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="Kilometers">
              <xs:annotation>
                <xs:documentation>Actual and complete kilometric performance of the
wagon for the delivery period in kilometers. Kilometric performance due to shunting
at stations can be neglected.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:int">
                  <xs:minInclusive value="-99999"/>
                  <xs:maxInclusive value="99999"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element ref="TotalLoadWeight"/>
          </xs:sequence>
        </xs:complexType>
```

```
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonPerformanceMessage/PerformanceData**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

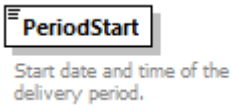
properties	minOcc 1 maxOcc unbounded content complex
children	**WagonNumberFreight** **UserRU** **PeriodStart** **StartLocation** **PeriodEnd** **EndLocation** **Country** **Kilometers** **TotalLoadWeight**
annotation	documentation Performance data of a freight wagon for a specified period. The SOAP default maximum for an element is 50,000. If maximum count of data records is exceeded, performance data records need to be split and several wagon performance messages sent.

source

```
<xs:element name="PerformanceData" maxOccurs="unbounded">
  <xs:annotation>
    <!-- Sector schema: CR 148 -->
    <xs:documentation>Performance data of a freight wagon for a specified period.
The SOAP default maximum for an element is 50,000. If maximum count of data records
is exceeded, performance data records need to be split and several wagon performance
messages sent.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="WagonNumberFreight"/>
      <xs:element ref="UserRU"/>
      <xs:element name="PeriodStart" type="xs:dateTime">
        <xs:annotation>
          <xs:documentation>Start date and time of the delivery
period.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="StartLocation" minOccurs="0"/>
      <xs:element name="PeriodEnd" type="xs:dateTime">
        <xs:annotation>
          <xs:documentation>End date and time of the delivery
period.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="EndLocation" minOccurs="0"/>
      <xs:element name="Country" type="CountryIdentISO" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Country where the wagon has been operated during the
delivery period. Identifies a country or state by code (ISO
3166-1).</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="Kilometers">
        <xs:annotation>
          <xs:documentation>Actual and complete kilometric performance of the wagon
for the delivery period in kilometers. Kilometric performance due to shunting at
stations can be neglected.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:int">
            <xs:minInclusive value="-99999"/>
            <xs:maxInclusive value="99999"/>
          </xs:restriction>
        </xs:simpleType>
```

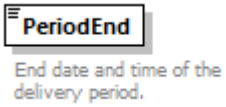
```
      </xs:element>
      <xs:element ref="TotalLoadWeight"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonPerformanceMessage/PerformanceData/PeriodStart**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
annotation	documentation Start date and time of the delivery period.

source	`<xs:element name="PeriodStart" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Start date and time of the delivery period.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **WagonPerformanceMessage/PerformanceData/PeriodEnd**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
annotation	documentation End date and time of the delivery period.

source	`<xs:element name="PeriodEnd" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>End date and time of the delivery period.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **WagonPerformanceMessage/PerformanceData/Country**

diagram	**Country** Country where the wagon has been operated during the delivery period. Identifies a country or state by code (ISO 3166-1).
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CountryIdentISO**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation Country where the wagon has been operated during the delivery period. Identifies a country or state by code (ISO 3166-1).

source	`<xs:element name="Country" type="CountryIdentISO" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Country where the wagon has been operated during the delivery period. Identifies a country or state by code (ISO 3166-1).</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **WagonPerformanceMessage/PerformanceData/Kilometers**

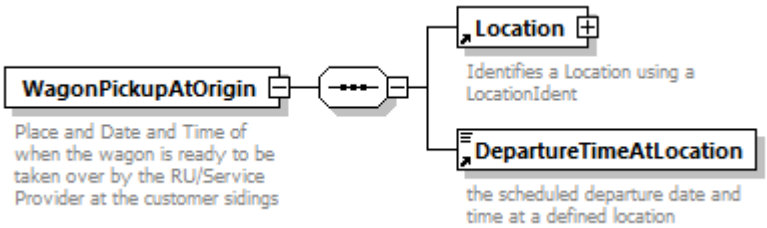
diagram	**Kilometers** Actual and complete kilometric performance of the wagon for the delivery period in kilometers. Kilometric performance due to shunting at stations can be neglected.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	content simple
facets	Kind Value Annotation minInclusive -99999 maxInclusive 99999
annotation	documentation Actual and complete kilometric performance of the wagon for the delivery period in kilometers. Kilometric performance due to shunting at stations can be neglected.

source	`<xs:element name="Kilometers">`
	`  <xs:annotation>`
	`  <xs:documentation>Actual and complete kilometric performance of the wagon for the delivery period in kilometers. Kilometric performance due to shunting at stations can be neglected.</xs:documentation>`
	`  </xs:annotation>`

```
  <xs:simpleType>
    <xs:restriction base="xs:int">
      <xs:minInclusive value="-99999"/>
      <xs:maxInclusive value="99999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **WagonPickupAtOrigin**

diagram



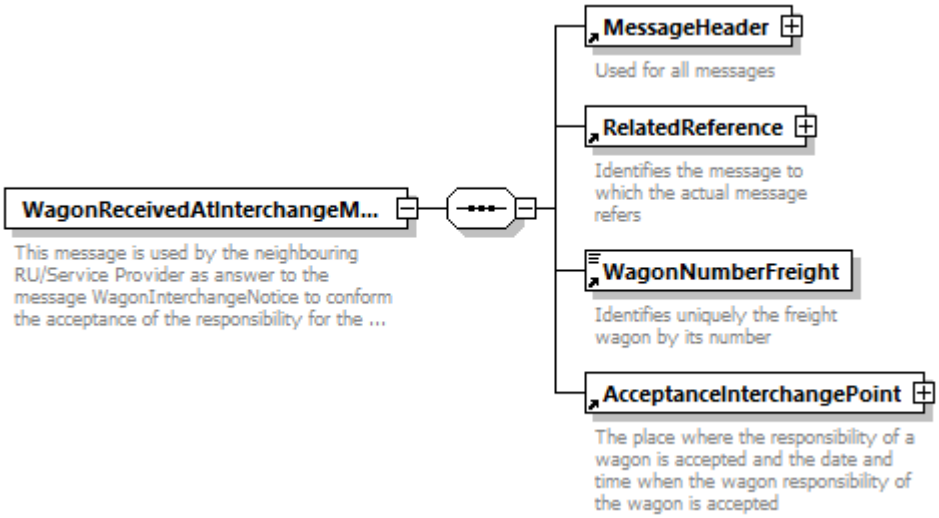
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Location** **DepartureTimeAtLocation**
annotation	documentation Place and Date and Time of when the wagon is ready to be taken over by the RU/Service Provider at the customer sidings

source

```
<xs:element name="WagonPickupAtOrigin">
  <xs:annotation>
    <xs:documentation>Place and Date and Time of when the wagon is ready to be taken
over by the RU/Service Provider at the customer sidings</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Location"/>
      <xs:element ref="DepartureTimeAtLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonReceivedAtInterchangeMessage**

diagram



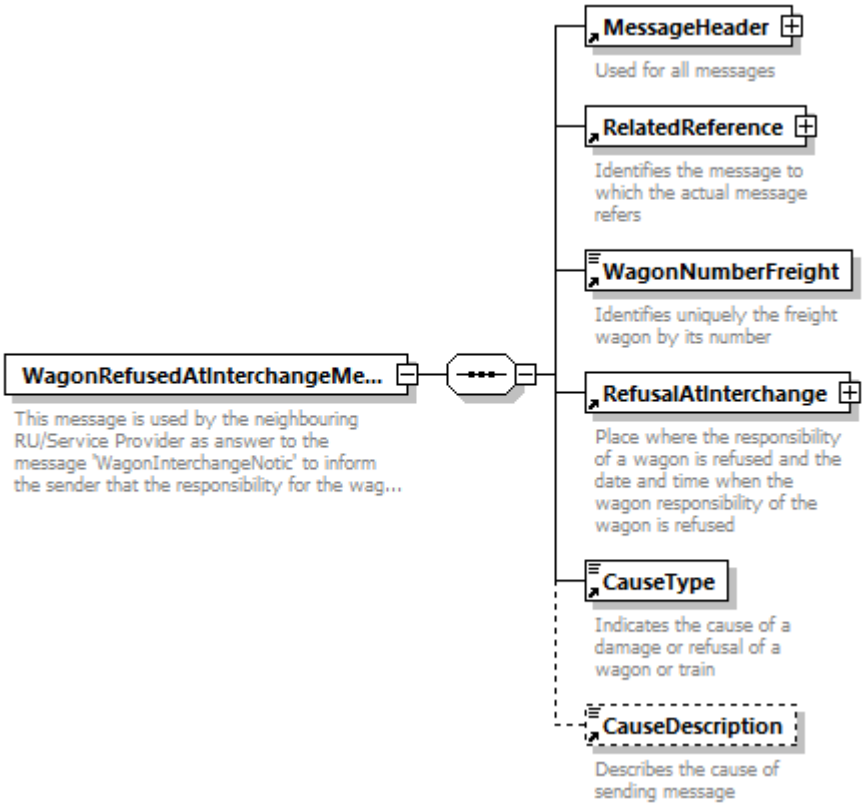
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **RelatedReference** **WagonNumberFreight** **AcceptanceInterchangePoint**
annotation	documentation This message is used by the neighbouring RU/Service Provider as answer to the message WagonInterchangeNotice to conform the acceptance of the responsibility for the wagon.

source

```
<xs:element name="WagonReceivedAtInterchangeMessage">
  <xs:annotation>
    <xs:documentation>This message is used by the neighbouring RU/Service Provider as answer to the message WagonInterchangeNotice to conform the acceptance of the responsibility for the wagon.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="RelatedReference"/>
      <xs:element ref="WagonNumberFreight"/>
      <xs:element ref="AcceptanceInterchangePoint"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonRefusedAtInterchangeMessage**

diagram

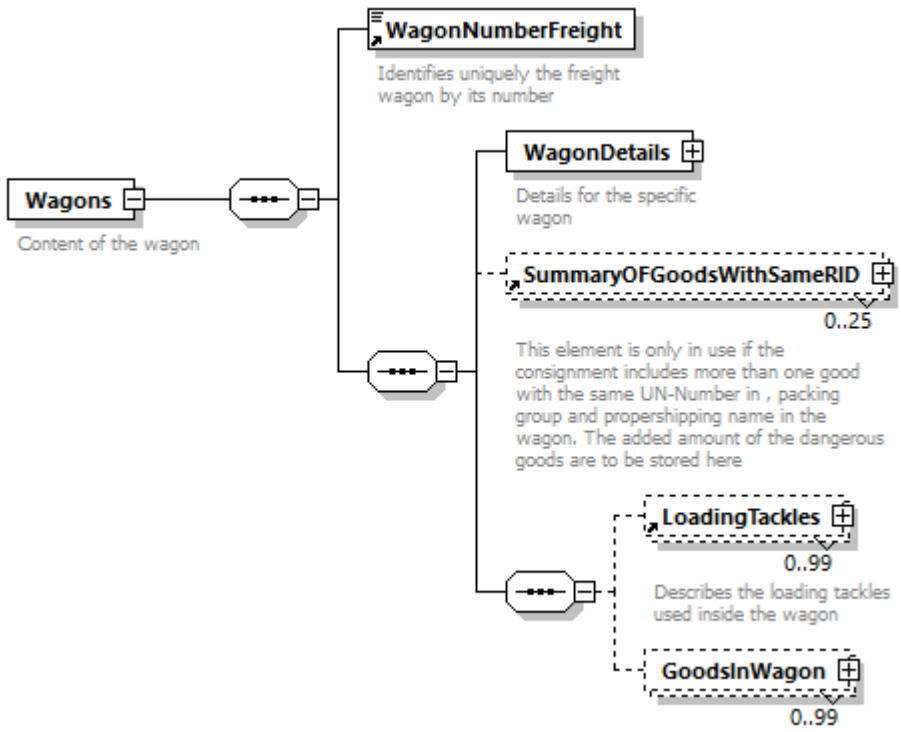


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **RelatedReference** **WagonNumberFreight** **RefusalAtInterchange** **CauseType** **CauseDescription**
annotation	documentation This message is used by the neighbouring RU/Service Provider as answer to the message 'WagonInterchangeNotic' to inform the sender that the responsibility for the wagon is refused.

source

```
<xs:element name="WagonRefusedAtInterchangeMessage">
  <xs:annotation>
    <xs:documentation>This message is used by the neighbouring RU/Service Provider
as answer to the message 'WagonInterchangeNotic' to inform the sender that the
responsibility for the wagon is refused.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="RelatedReference"/>
      <xs:element ref="WagonNumberFreight"/>
      <xs:element ref="RefusalAtInterchange"/>
      <xs:element ref="CauseType"/>
      <xs:element ref="CauseDescription" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **Wagons**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**WagonNumberFreight** **WagonDetails** **SummaryOFGoodsWithSameRID** **LoadingTackles** **GoodsInWagon**
used by	element **ConsignmentOrderMessage/COMS/COM**
annotation	documentation Content of the wagon

source

```
<xs:element name="Wagons">
  <xs:annotation>
    <xs:documentation>Content of the wagon</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="WagonNumberFreight"/>
      <xs:sequence>
        <xs:element name="WagonDetails">
          <xs:annotation>
            <xs:documentation>Details for the specific wagon</xs:documentation>
          </xs:annotation>
          <xs:complexType>
            <xs:sequence>
              <xs:element ref="LoadingStatus"/>
              <xs:element name="WagonInfo" minOccurs="0">
                <xs:annotation>
                  <xs:documentation>Additional information, concerning the goods
of the whole wagon. </xs:documentation>
```

```
                  </xs:annotation>
                  <xs:simpleType>
                    <xs:restriction base="xs:string">
                      <xs:maxLength value="2000"/>
                      <xs:minLength value="1"/>
                    </xs:restriction>
                  </xs:simpleType>
                </xs:element>
                <xs:element name="WagonTypeDetails" minOccurs="0">
                  <xs:annotation>
                    <xs:documentation>These elements are only needed, if the wagon has
to be treated as CUV (empty wagon).</xs:documentation>
                  </xs:annotation>
                  <xs:complexType>
                    <xs:sequence>
                      <xs:element ref="WagonWeightEmpty"/>
                      <xs:element ref="WagonNumberOfAxles"/>
                      <xs:element ref="WagonLength"/>
                    </xs:sequence>
                  </xs:complexType>
                </xs:element>
                <xs:element ref="TotalWeight" minOccurs="0"/>
                <xs:element name="LoadLimit" minOccurs="0">
                  <xs:annotation>
                    <xs:documentation>Load limit from table of load limits in
[t].</xs:documentation>
                  </xs:annotation>
                  <xs:simpleType>
                    <xs:restriction base="xs:decimal">
                      <xs:minInclusive value="0"/>
                      <xs:totalDigits value="4"/>
                    </xs:restriction>
                  </xs:simpleType>
                </xs:element>
                <xs:element ref="Seals" minOccurs="0">
                  <xs:annotation>
                    <xs:documentation>Describes the seals used for the
consignment</xs:documentation>
                  </xs:annotation>
                </xs:element>
                <xs:element ref="Ship" minOccurs="0">
                  <xs:annotation>
                    <xs:documentation>Additional information for transports, which
shall be handed over to a ship.</xs:documentation>
                  </xs:annotation>
                </xs:element>
                <xs:element ref="DeliveryReference" minOccurs="0"/>
                <xs:element ref="OriginCountry" minOccurs="0">
                  <xs:annotation>
                    <xs:documentation>Code of origin country of the
Goods</xs:documentation>
                  </xs:annotation>
                </xs:element>
                <xs:element name="ExceptionalConsignment" minOccurs="0"
maxOccurs="10">
```

```
                <xs:annotation>
                  <xs:documentation>Exceptional Consignment</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:sequence>
                    <xs:element ref="IM_Partner"/>
                    <xs:element name="PermissionNumber">
                      <xs:annotation>
                        <xs:documentation>Reference/permission number of the
exceptional consignment.</xs:documentation>
                      </xs:annotation>
                      <xs:simpleType>
                        <xs:restriction base="xs:string">
                          <xs:minLength value="1"/>
                          <xs:maxLength value="24"/>
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
              <xs:element name="Examination" minOccurs="0" maxOccurs="10">
                <xs:annotation>
                  <xs:documentation>Examination</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:sequence>
                    <xs:element name="CarrierCode" type="CompanyCode">
                      <xs:annotation>
                        <xs:documentation>Code of the carrier undertaking the
examination (see CIM Article 11 sections 2 and 3). </xs:documentation>
                      </xs:annotation>
                    </xs:element>
                    <xs:element name="Result">
                      <xs:annotation>
                        <xs:documentation>Details of the results of any examination
(see CIM Article 11 sections 2 and 3).</xs:documentation>
                      </xs:annotation>
                      <xs:simpleType>
                        <xs:restriction base="xs:string">
                          <xs:minLength value="1"/>
                          <xs:maxLength value="180"/>
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
              <xs:element name="FormalReports" minOccurs="0" maxOccurs="15">
                <xs:annotation>
                  <xs:documentation>Formal report</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:sequence>
                    <xs:element name="CreationDate" type="xs:date">
```

```
                        <xs:annotation>
                          <xs:documentation>Date when the report was made
out.</xs:documentation>
                        </xs:annotation>
                      </xs:element>
                      <xs:element name="Number" minOccurs="0">
                        <xs:annotation>
                          <xs:documentation>Number of the report
form.</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                          <xs:restriction base="xs:string">
                            <xs:maxLength value="13"/>
                            <xs:minLength value="1"/>
                          </xs:restriction>
                        </xs:simpleType>
                      </xs:element>
                      <xs:element name="CarrierCode" type="CompanyCode">
                        <xs:annotation>
                          <xs:documentation>Code of the carrier who made it
out.</xs:documentation>
                        </xs:annotation>
                      </xs:element>
                    </xs:sequence>
                  </xs:complexType>
                </xs:element>
                <xs:element name="ShuntingModalLabel" minOccurs="0">
                  <xs:annotation>
                    <xs:documentation>Shunting modal label  according to chapter
5.3.4 RID</xs:documentation>
                  </xs:annotation>
                  <xs:simpleType>
                    <xs:restriction base="xs:token">
                      <xs:enumeration value="13"/>
                      <xs:enumeration value="15"/>
                    </xs:restriction>
                  </xs:simpleType>
                </xs:element>
                <xs:element name="CustomerReference" minOccurs="0" maxOccurs="5">
                  <xs:annotation>
                    <xs:documentation>Supplied by the customer. Reference number to
link the ECN and delivery note to the same consignment on the customer
side.</xs:documentation>
                  </xs:annotation>
                  <xs:simpleType>
                    <xs:restriction base="xs:string">
                      <xs:maxLength value="30"/>
                      <xs:minLength value="1"/>
                    </xs:restriction>
                  </xs:simpleType>
                </xs:element>
                <xs:element name="BookingNumber" minOccurs="0">
                  <xs:annotation>
                    <xs:documentation>XrailBooking number for the
consignment</xs:documentation>
```

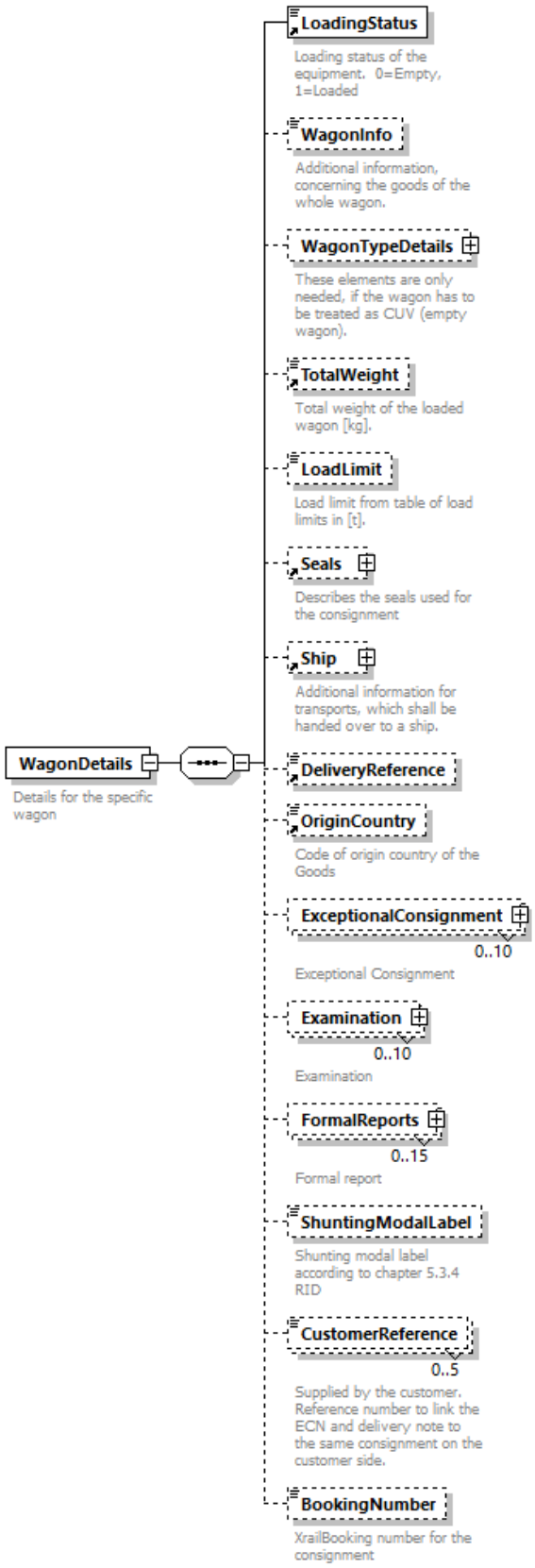
```
                </xs:annotation>
                <xs:simpleType>
                  <xs:restriction base="xs:string">
                    <xs:minLength value="24"/>
                    <xs:maxLength value="64"/>
                    <xs:pattern value="[0-9]{4}:[0-9]{17}:[a-f0-9-]+"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
        <xs:element ref="SummaryOFGoodsWithSameRID" minOccurs="0"
maxOccurs="25"/>
        <xs:sequence>
          <xs:element ref="LoadingTackles" minOccurs="0" maxOccurs="99"/>
          <xs:element name="GoodsInWagon" minOccurs="0" maxOccurs="99">
            <xs:complexType>
              <xs:sequence>
                <xs:element name="NoGoodsOfClassX" minOccurs="0">
                  <xs:annotation>
                    <xs:documentation>Element has to be filled with the class of the
dangerous goods which are mentioned in Table 3.2 RID but are not dangerous according
to chapter 2 (5.4.1.5 RID)</xs:documentation>
                  </xs:annotation>
                </xs:element>
                <xs:element ref="RID" minOccurs="0" maxOccurs="50"/>
                <xs:element name="Packing" minOccurs="0">
                  <xs:annotation>
                    <xs:documentation>Packing information</xs:documentation>
                  </xs:annotation>
                  <xs:complexType>
                    <xs:sequence>
                      <xs:element name="NatureOfPacking" minOccurs="0">
                        <xs:annotation>
                          <xs:documentation>Nature of packing according to the
UN/ECE Recommandation No 21</xs:documentation>
                          <xs:documentation>CODE: UN/ECE-Recommendation No.
21</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                          <xs:restriction base="xs:string">
                            <xs:maxLength value="2"/>
                            <xs:minLength value="1"/>
                          </xs:restriction>
                        </xs:simpleType>
                      </xs:element>
                      <xs:element name="NumberOfPackages" minOccurs="0">
                        <xs:annotation>
                          <xs:documentation>Number of
packages.</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                          <xs:restriction base="xs:int">
                            <xs:minInclusive value="1"/>
```

```
                              <xs:maxInclusive value="99999"/>
                            </xs:restriction>
                          </xs:simpleType>
                        </xs:element>
                        <xs:element name="PackageIdentification" minOccurs="0"
maxOccurs="99">
                          <xs:annotation>
                            <xs:documentation>Particular marks and numbers to
identify less than wagon load assignments.</xs:documentation>
                          </xs:annotation>
                          <xs:simpleType>
                            <xs:restriction base="xs:string">
                              <xs:maxLength value="35"/>
                              <xs:minLength value="1"/>
                            </xs:restriction>
                          </xs:simpleType>
                        </xs:element>
                      </xs:sequence>
                    </xs:complexType>
                  </xs:element>
                  <xs:element ref="NHM_Code"/>
                  <xs:element name="PreviousLoadedGood" type="NHMCodeType"
minOccurs="0"/>
                  <xs:element ref="GoodsDescription" minOccurs="0"/>
                  <xs:element name="AdditionalGoodInformation" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Additional information regarding the loaded
good, given by the customer.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:minLength value="1"/>
                        <xs:maxLength value="350"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element ref="GrossWeight" minOccurs="0"/>
                  <xs:element name="HS_Code" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>HS-Code for sensible goods (appendix 44c of
ccip) 10 digits are needed, if a good code was already assigned for 'Zollanmeldung'.
In this case this good code has to be taken. These good codes may have more than 6
digits.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:minLength value="6"/>
                        <xs:maxLength value="10"/>
                        <xs:pattern value="\d*[1-9]\d*"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="EWC_Key" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Numeric key according to the European Waste
```

```
Catalogue</xs:documentation>
                    <xs:documentation>CODE: European waste catalogue (EWC)
2000/532/EC</xs:documentation>
                  </xs:annotation>
                  <xs:simpleType>
                    <xs:restriction base="xs:string">
                      <xs:minLength value="2"/>
                      <xs:maxLength value="6"/>
                      <xs:pattern value="\d*"/>
                    </xs:restriction>
                  </xs:simpleType>
                </xs:element>
                <xs:element ref="ReferenceNumbers" minOccurs="0" maxOccurs="99"/>
                <xs:element ref="ILU" minOccurs="0"/>
                <xs:element ref="RollingRoadUnit" minOccurs="0"/>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
        </xs:sequence>
      </xs:sequence>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **Wagons/WagonDetails**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**LoadingStatus** **WagonInfo** **WagonTypeDetails** **TotalWeight** **LoadLimit** **Seals** **Ship** **DeliveryReference** **OriginCountry** **ExceptionalConsignment** **Examination** **FormalReports** **ShuntingModalLabel** **CustomerReference** **BookingNumber**
annotation	documentation Details for the specific wagon

source

```
<xs:element name="WagonDetails">
  <xs:annotation>
    <xs:documentation>Details for the specific wagon</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="LoadingStatus"/>
      <xs:element name="WagonInfo" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Additional information, concerning the goods of the
whole wagon. </xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="2000"/>
            <xs:minLength value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="WagonTypeDetails" minOccurs="0">
        <xs:annotation>
          <xs:documentation>These elements are only needed, if the wagon has to be
treated as CUV (empty wagon).</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="WagonWeightEmpty"/>
            <xs:element ref="WagonNumberOfAxles"/>
            <xs:element ref="WagonLength"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element ref="TotalWeight" minOccurs="0"/>
      <xs:element name="LoadLimit" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Load limit from table of load limits in
[t].</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:decimal">
            <xs:minInclusive value="0"/>
            <xs:totalDigits value="4"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="Seals" minOccurs="0">
        <xs:annotation>
```

```
          <xs:documentation>Describes the seals used for the
consignment</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="Ship" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Additional information for transports, which shall be
handed over to a ship.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="DeliveryReference" minOccurs="0"/>
      <xs:element ref="OriginCountry" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Code of origin country of the Goods</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="ExceptionalConsignment" minOccurs="0" maxOccurs="10">
        <xs:annotation>
          <xs:documentation>Exceptional Consignment</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="IM_Partner"/>
            <xs:element name="PermissionNumber">
              <xs:annotation>
                <xs:documentation>Reference/permission number of the exceptional
consignment.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:minLength value="1"/>
                  <xs:maxLength value="24"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="Examination" minOccurs="0" maxOccurs="10">
        <xs:annotation>
          <xs:documentation>Examination</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="CarrierCode" type="CompanyCode">
              <xs:annotation>
                <xs:documentation>Code of the carrier undertaking the examination
(see CIM Article 11 sections 2 and 3). </xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="Result">
              <xs:annotation>
                <xs:documentation>Details of the results of any examination (see CIM
Article 11 sections 2 and 3).</xs:documentation>
              </xs:annotation>
```

```
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:minLength value="1"/>
                  <xs:maxLength value="180"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="FormalReports" minOccurs="0" maxOccurs="15">
        <xs:annotation>
          <xs:documentation>Formal report</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="CreationDate" type="xs:date">
              <xs:annotation>
                <xs:documentation>Date when the report was made
out.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="Number" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Number of the report form.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="13"/>
                  <xs:minLength value="1"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="CarrierCode" type="CompanyCode">
              <xs:annotation>
                <xs:documentation>Code of the carrier who made it
out.</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="ShuntingModalLabel" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Shunting modal label  according to chapter 5.3.4
RID</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:token">
            <xs:enumeration value="13"/>
            <xs:enumeration value="15"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="CustomerReference" minOccurs="0" maxOccurs="5">
```

```
        <xs:annotation>
          <xs:documentation>Supplied by the customer. Reference number to link the
ECN and delivery note to the same consignment on the customer
side.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="30"/>
            <xs:minLength value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="BookingNumber" minOccurs="0">
        <xs:annotation>
          <xs:documentation>XrailBooking number for the
consignment</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="24"/>
            <xs:maxLength value="64"/>
            <xs:pattern value="[0-9]{4}:[0-9]{17}:[a-f0-9-]+"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **Wagons/WagonDetails/WagonInfo**

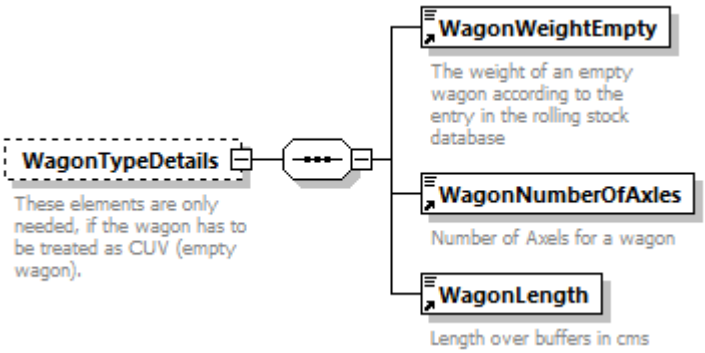
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 2000
annotation	documentation Additional information, concerning the goods of the whole wagon.

source	`<xs:element name="WagonInfo" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Additional information, concerning the goods of the whole wagon. </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`

```
    <xs:restriction base="xs:string">
      <xs:maxLength value="2000"/>
      <xs:minLength value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Wagons/WagonDetails/WagonTypeDetails**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**WagonWeightEmpty** **WagonNumberOfAxles** **WagonLength**
annotation	documentation These elements are only needed, if the wagon has to be treated as CUV (empty wagon).

source

```
<xs:element name="WagonTypeDetails" minOccurs="0">
  <xs:annotation>
    <xs:documentation>These elements are only needed, if the wagon has to be treated
as CUV (empty wagon).</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="WagonWeightEmpty"/>
      <xs:element ref="WagonNumberOfAxles"/>
      <xs:element ref="WagonLength"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **Wagons/WagonDetails/LoadLimit**

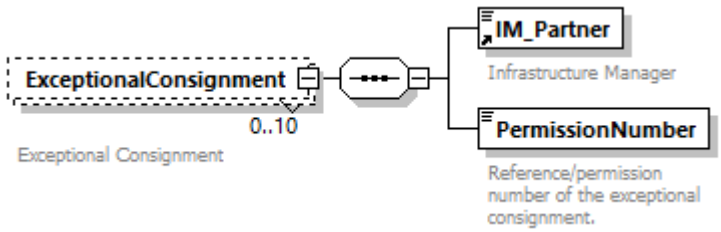
diagram

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:decimal**

properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 0 totalDigits 4
annotation	documentation Load limit from table of load limits in [t].

source	`<xs:element name="LoadLimit" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Load limit from table of load limits in [t].</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:decimal">`
	`  <xs:minInclusive value="0"/>`
	`  <xs:totalDigits value="4"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

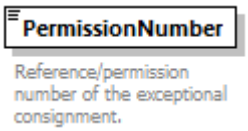
element **Wagons/WagonDetails/ExceptionalConsignment**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 10 content complex
children	**IM_Partner** **PermissionNumber**
annotation	documentation Exceptional Consignment

source	`<xs:element name="ExceptionalConsignment" minOccurs="0" maxOccurs="10">`
	`  <xs:annotation>`
	`  <xs:documentation>Exceptional Consignment</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="IM_Partner"/>`
	`  <xs:element name="PermissionNumber">`
	`  <xs:annotation>`
	`  <xs:documentation>Reference/permission number of the exceptional consignment.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`

```
            <xs:minLength value="1"/>
            <xs:maxLength value="24"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

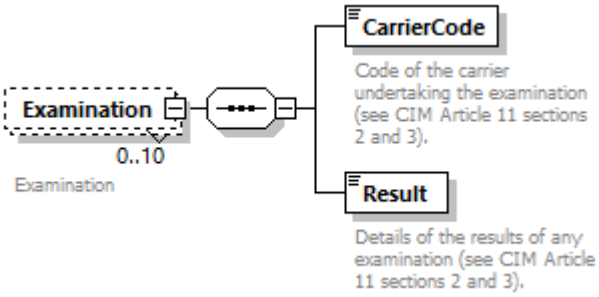
element **Wagons/WagonDetails/ExceptionalConsignment/PermissionNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 24
annotation	documentation Reference/permission number of the exceptional consignment.

```
source
<xs:element name="PermissionNumber">
  <xs:annotation>
    <xs:documentation>Reference/permission number of the exceptional
consignment.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="24"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

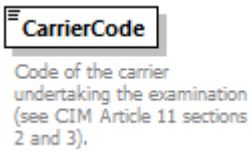
element **Wagons/WagonDetails/Examination**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 10 content complex
children	**CarrierCode** **Result**
annotation	documentation Examination
source	<xs:element name="Examination" minOccurs="0" maxOccurs="10"> <xs:annotation> <xs:documentation>Examination</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="CarrierCode" type="CompanyCode"> <xs:annotation> <xs:documentation>Code of the carrier undertaking the examination (see CIM Article 11 sections 2 and 3). </xs:documentation> </xs:annotation> </xs:element> <xs:element name="Result"> <xs:annotation> <xs:documentation>Details of the results of any examination (see CIM Article 11 sections 2 and 3).</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="180"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element>

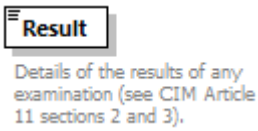
element **Wagons/WagonDetails/Examination/CarrierCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}

annotation	documentation Code of the carrier undertaking the examination (see CIM Article 11 sections 2 and 3).

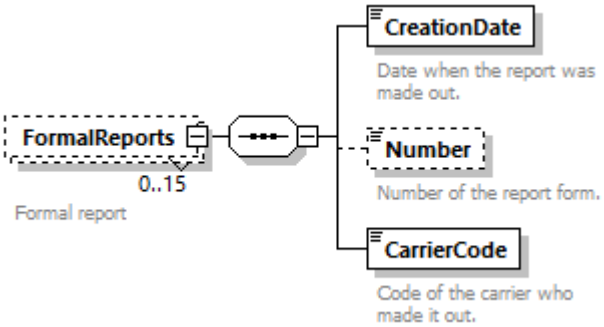
source	`<xs:element name="CarrierCode" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Code of the carrier undertaking the examination (see CIM Article 11 sections 2 and 3). </xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **Wagons/WagonDetails/Examination/Result**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 180
annotation	documentation Details of the results of any examination (see CIM Article 11 sections 2 and 3).

source	`<xs:element name="Result">`
	`  <xs:annotation>`
	`  <xs:documentation>Details of the results of any examination (see CIM Article 11 sections 2 and 3).</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="180"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

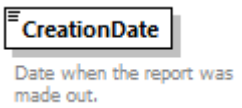
element **Wagons/WagonDetails/FormalReports**

diagram	

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 15 content complex
children	**CreationDate** **Number** **CarrierCode**
annotation	documentation Formal report

source	`<xs:element name="FormalReports" minOccurs="0" maxOccurs="15">`
	`  <xs:annotation>`
	`  <xs:documentation>Formal report</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="CreationDate" type="xs:date">`
	`  <xs:annotation>`
	`  <xs:documentation>Date when the report was made out.</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  <xs:element name="Number" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Number of the report form.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="13"/>`
	`  <xs:minLength value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`  </xs:element>`
	`  <xs:element name="CarrierCode" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Code of the carrier who made it out.</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **Wagons/WagonDetails/FormalReports/CreationDate**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**
properties	content simple
annotation	documentation Date when the report was made out.
source	`<xs:element name="CreationDate" type="xs:date">`

```
  <xs:annotation>
    <xs:documentation>Date when the report was made out.</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **Wagons/WagonDetails/FormalReports/Number**

diagram	Number Number of the report form.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 13
annotation	documentation Number of the report form.

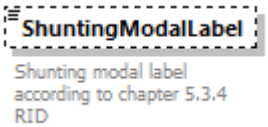
source	`<xs:element name="Number" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Number of the report form.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="13"/>`
	`  <xs:minLength value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **Wagons/WagonDetails/FormalReports/CarrierCode**

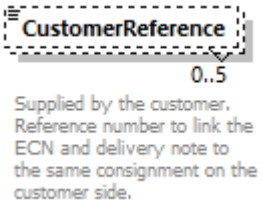
diagram	CarrierCode Code of the carrier who made it out.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Code of the carrier who made it out.

source	<xs:element name="CarrierCode" type="CompanyCode"> <xs:annotation> <xs:documentation>Code of the carrier who made it out.</xs:documentation> </xs:annotation> </xs:element>

element **Wagons/WagonDetails/ShuntingModalLabel**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation enumeration 13 enumeration 15
annotation	documentation Shunting modal label according to chapter 5.3.4 RID
source	<xs:element name="ShuntingModalLabel" minOccurs="0"> <xs:annotation> <xs:documentation>Shunting modal label according to chapter 5.3.4 RID</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="13"/> <xs:enumeration value="15"/> </xs:restriction> </xs:simpleType> </xs:element>

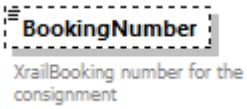
element **Wagons/WagonDetails/CustomerReference**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 5

	content simple
facets	Kind Value Annotation minLength 1 maxLength 30
annotation	documentation Supplied by the customer. Reference number to link the ECN and delivery note to the same consignment on the customer side.

source	`<xs:element name="CustomerReference" minOccurs="0" maxOccurs="5">`
	`  <xs:annotation>`
	`  <xs:documentation>Supplied by the customer. Reference number to link the ECN and delivery note to the same consignment on the customer side.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="30"/>`
	`  <xs:minLength value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

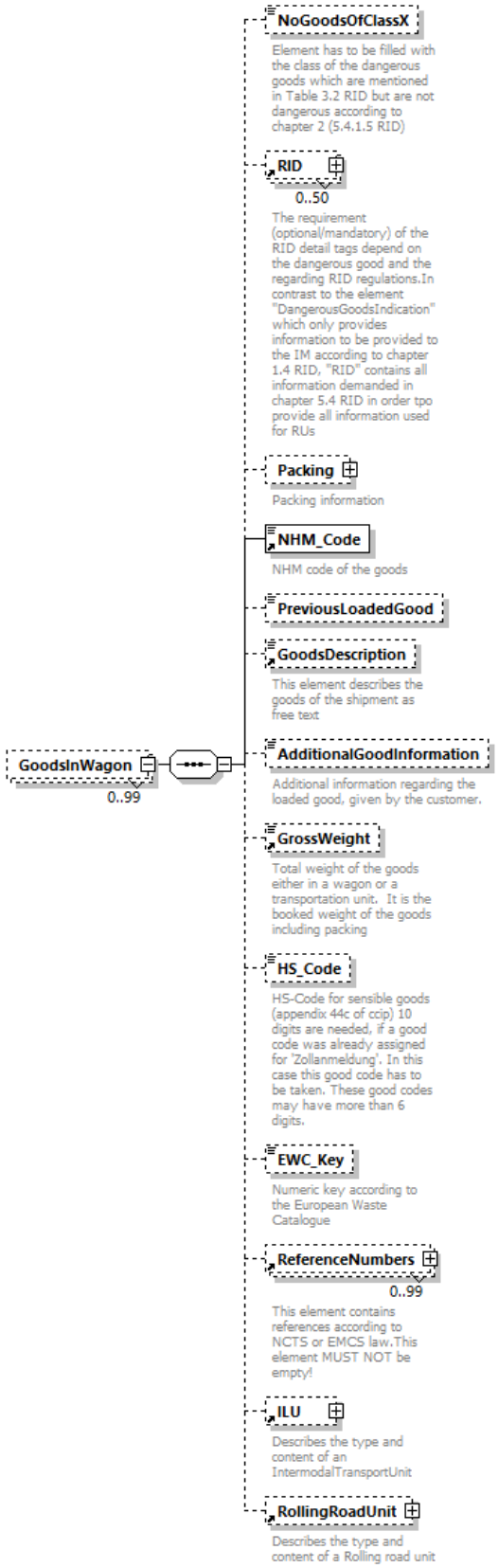
element **Wagons/WagonDetails/BookingNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 24 maxLength 64 pattern [0-9]{4}:[0-9]{17}:[a-f0-9-]+
annotation	documentation XrailBooking number for the consignment

source	`<xs:element name="BookingNumber" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>XrailBooking number for the consignment</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="24"/>`
	`  <xs:maxLength value="64"/>`
	`  <xs:pattern value="[0-9]{4}:[0-9]{17}:[a-f0-9-]+"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **Wagons/GoodsInWagon**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 99 content complex
children	**NoGoodsOfClassX** **RID** **Packing** **NHM_Code** **PreviousLoadedGood** **GoodsDescription** **AdditionalGoodInformation** **GrossWeight** **HS_Code** **EWC_Key** **ReferenceNumbers** **ILU** **RollingRoadUnit**
used by	element **WagonInformation**

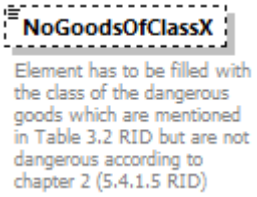
source

```
<xs:element name="GoodsInWagon" minOccurs="0" maxOccurs="99">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="NoGoodsOfClassX" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Element has to be filled with the class of the dangerous
goods which are mentioned in Table 3.2 RID but are not dangerous according to chapter
2 (5.4.1.5 RID)</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="RID" minOccurs="0" maxOccurs="50"/>
      <xs:element name="Packing" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Packing information</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="NatureOfPacking" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Nature of packing according to the UN/ECE
Recommandation No 21</xs:documentation>
                <xs:documentation>CODE: UN/ECE-Recommendation No.
21</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="2"/>
                  <xs:minLength value="1"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="NumberOfPackages" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Number of packages.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:int">
                  <xs:minInclusive value="1"/>
                  <xs:maxInclusive value="99999"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="PackageIdentification" minOccurs="0"
maxOccurs="99">
              <xs:annotation>
                <xs:documentation>Particular marks and numbers to identify less
```

```
than wagon load assignments.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="35"/>
                  <xs:minLength value="1"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element ref="NHM_Code"/>
      <xs:element name="PreviousLoadedGood" type="NHMCodeType" minOccurs="0"/>
      <xs:element ref="GoodsDescription" minOccurs="0"/>
      <xs:element name="AdditionalGoodInformation" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Additional information regarding the loaded good, given
by the customer.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="350"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="GrossWeight" minOccurs="0"/>
      <xs:element name="HS_Code" minOccurs="0">
        <xs:annotation>
          <xs:documentation>HS-Code for sensible goods (appendix 44c of ccip) 10
digits are needed, if a good code was already assigned for 'Zollanmeldung'. In this
case this good code has to be taken. These good codes may have more than 6
digits.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="6"/>
            <xs:maxLength value="10"/>
            <xs:pattern value="\d*[1-9]\d*"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="EWC_Key" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Numeric key according to the European Waste
Catalogue</xs:documentation>
          <xs:documentation>CODE: European waste catalogue (EWC)
2000/532/EC</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="2"/>
            <xs:maxLength value="6"/>
            <xs:pattern value="\d*"/>
```

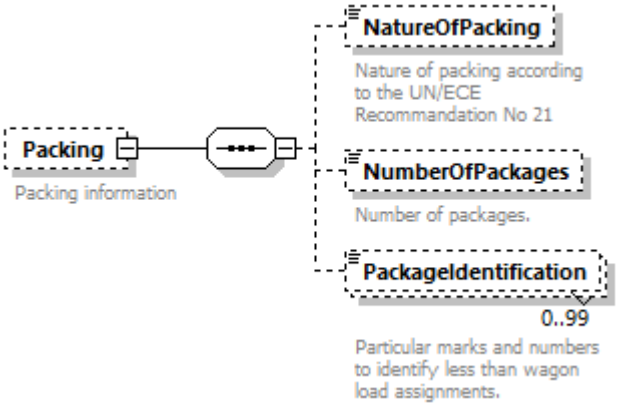
```
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <xs:element ref="ReferenceNumbers" minOccurs="0" maxOccurs="99"/>
        <xs:element ref="ILU" minOccurs="0"/>
        <xs:element ref="RollingRoadUnit" minOccurs="0"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
```

element **Wagons/GoodsInWagon/NoGoodsOfClassX**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1
annotation	documentation Element has to be filled with the class of the dangerous goods which are mentioned in Table 3.2 RID but are not dangerous according to chapter 2 (5.4.1.5 RID)

source	`<xs:element name="NoGoodsOfClassX" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Element has to be filled with the class of the dangerous goods which are mentioned in Table 3.2 RID but are not dangerous according to chapter 2 (5.4.1.5 RID)</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **Wagons/GoodsInWagon/Packing**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1

	content complex
children	**NatureOfPacking** **NumberOfPackages** **PackageIdentification**
annotation	documentation Packing information
source	

```xml
<xs:element name="Packing" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Packing information</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="NatureOfPacking" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Nature of packing according to the UN/ECE
Recommandation No 21</xs:documentation>
          <xs:documentation>CODE: UN/ECE-Recommendation No. 21</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="2"/>
            <xs:minLength value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="NumberOfPackages" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Number of packages.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:int">
            <xs:minInclusive value="1"/>
            <xs:maxInclusive value="99999"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="PackageIdentification" minOccurs="0" maxOccurs="99">
        <xs:annotation>
          <xs:documentation>Particular marks and numbers to identify less than wagon
load assignments.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="35"/>
            <xs:minLength value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **Wagons/GoodsInWagon/Packing/NatureOfPacking**

diagram	**NatureOfPacking** Nature of packing according to the UN/ECE Recommandation No 21
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 2
annotation	documentation Nature of packing according to the UN/ECE Recommandation No 21 documentation CODE: UN/ECE-Recommendation No. 21

source	`<xs:element name="NatureOfPacking" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Nature of packing according to the UN/ECE Recommandation No 21</xs:documentation>`
	`  <xs:documentation>CODE: UN/ECE-Recommendation No. 21</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="2"/>`
	`  <xs:minLength value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

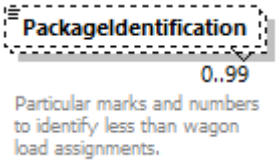
element **Wagons/GoodsInWagon/Packing/NumberOfPackages**

diagram	**NumberOfPackages** Number of packages.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation Number of packages.

source	`<xs:element name="NumberOfPackages" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Number of packages.</xs:documentation>`

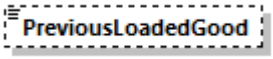
```
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:int">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="99999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Wagons/GoodsInWagon/Packing/PackageIdentification**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 99 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Particular marks and numbers to identify less than wagon load assignments.

source	`<xs:element name="PackageIdentification" minOccurs="0" maxOccurs="99">`
	`  <xs:annotation>`
	`  <xs:documentation>Particular marks and numbers to identify less than wagon load assignments.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="35"/>`
	`  <xs:minLength value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **Wagons/GoodsInWagon/PreviousLoadedGood**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**NHMCodeType**
properties	minOcc 0 maxOcc 1 content simple

facets	Kind Value Annotation length 6 pattern \d*[1-9]\d*
source	`<xs:element name="PreviousLoadedGood" type="NHMCodeType" minOccurs="0"/>`

element **Wagons/GoodsInWagon/AdditionalGoodInformation**

diagram	**AdditionalGoodInformation** Additional information regarding the loaded good, given by the customer.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation Additional information regarding the loaded good, given by the customer.

source

```
<xs:element name="AdditionalGoodInformation" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Additional information regarding the loaded good, given by the
customer.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="350"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Wagons/GoodsInWagon/HS_Code**

diagram	**HS_Code** HS-Code for sensible goods (appendix 44c of ccip) 10 digits are needed, if a good code was already assigned for 'Zollanmeldung'. In this case this good code has to be taken. These good codes may have more than 6 digits.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1

	content simple
facets	Kind / Value / Annotation minLength 6 maxLength 10 pattern \d*[1-9]\d*
annotation	documentation HS-Code for sensible goods (appendix 44c of ccip) 10 digits are needed, if a good code was already assigned for 'Zollanmeldung'. In this case this good code has to be taken. These good codes may have more than 6 digits.

source	`<xs:element name="HS_Code" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>HS-Code for sensible goods (appendix 44c of ccip) 10 digits are needed, if a good code was already assigned for 'Zollanmeldung'. In this case this good code has to be taken. These good codes may have more than 6 digits.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="6"/>`
	`  <xs:maxLength value="10"/>`
	`  <xs:pattern value="\d*[1-9]\d*"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **Wagons/GoodsInWagon/EWC_Key**

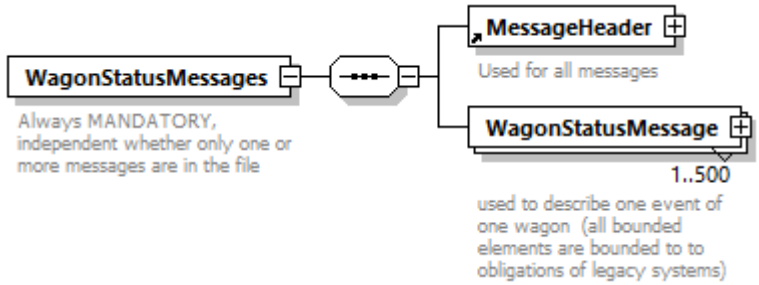
diagram	EWC_Key Numeric key according to the European Waste Catalogue
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation minLength 2 maxLength 6 pattern \d*
annotation	documentation Numeric key according to the European Waste Catalogue documentation CODE: European waste catalogue (EWC) 2000/532/EC

source	`<xs:element name="EWC_Key" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Numeric key according to the European Waste Catalogue</xs:documentation>`
	`  <xs:documentation>CODE: European waste catalogue (EWC) 2000/532/EC</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`

```
    <xs:restriction base="xs:string">
      <xs:minLength value="2"/>
      <xs:maxLength value="6"/>
      <xs:pattern value="\d*"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **WagonStatusMessages**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**MessageHeader** **WagonStatusMessage**
annotation	documentation Always MANDATORY, independent whether only one or more messages are in the file

source

```
<xs:element name="WagonStatusMessages">
  <xs:annotation>
    <xs:documentation>Always MANDATORY, independent whether only one or more
messages are in the file </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element name="WagonStatusMessage" maxOccurs="500">
        <xs:annotation>
          <xs:documentation>used to describe one event of one wagon  (all bounded
elements are bounded to to obligations of legacy systems)</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:annotation>
              <xs:documentation>Wagon Status Message</xs:documentation>
            </xs:annotation>
            <xs:element name="ReportingRU" type="CompanyCode">
              <xs:annotation>
                <xs:documentation>Company (RICS) Code of the RU who is reporting the
event</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="MessageCreationDateTime" type="xs:dateTime">
              <xs:annotation>
                <xs:documentation>Timestamp of Creation of
```

```
Message</xs:documentation>
                <xs:documentation>the timestamp is created by the originally
sending RU, it remains unchanged, when forwarded by the central ISR
application</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="WagonNumberFreight"/>
            <xs:element name="Event">
              <xs:annotation>
                <xs:documentation>Information belonging to the
event</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element ref="EventType"/>
                  <xs:element name="EventDateTime" type="xs:dateTime">
                    <xs:annotation>
                      <xs:documentation>Event Time Stamp </xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="EventLocationInformation" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Information concerning the event location.
Optional for event types 06 and 16, these events may not have a location. But for
all remaining event types, at least one of the elements EventLocation or Position
should be sent</xs:documentation>
                    </xs:annotation>
                    <xs:complexType>
                      <xs:sequence>
                        <xs:element name="EventLocation" type="LocationIdent"
minOccurs="0">
                          <xs:annotation>
                            <xs:documentation>Location where the event
happend</xs:documentation>
                          </xs:annotation>
                        </xs:element>
                        <xs:element name="Position" minOccurs="0">
                          <xs:annotation>
                            <xs:documentation>Geo coordinates of the wagon  event
location in WGS84 as used in the CRD</xs:documentation>
                          </xs:annotation>
                          <xs:complexType>
                            <xs:sequence>
                              <xs:element name="Latitude" type="xs:decimal"/>
                              <xs:element name="Longitude" type="xs:decimal"/>
                            </xs:sequence>
                          </xs:complexType>
                        </xs:element>
                      </xs:sequence>
                    </xs:complexType>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element name="LoadingStatus" minOccurs="0">
```

```
              <xs:annotation>
                <xs:documentation>Loading status of the equipment.  0=Empty,
1=Loaded</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:integer">
                  <xs:enumeration value="0"/>
                  <xs:enumeration value="1"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="ShippingLocation" type="LocationIdent"
minOccurs="0">
              <xs:annotation>
                <xs:documentation>Shipping Station ( TAF location code with
optional SLC type 42 or 36)</xs:documentation>
                <xs:documentation>use here the station code of the station the wagon
has started its transport run</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="DestinationLocation" type="LocationIdent"
minOccurs="0">
              <xs:annotation>
                <xs:documentation>Destination Station  ( TAF location code with
optional SLC type 42 or 36)</xs:documentation>
                <xs:documentation>use here the station code of the station the wagon
shall terminate its transport run </xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="Train" minOccurs="0">
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="OperationalTrainNumberIdentifier">
                    <xs:complexType>
                      <xs:sequence>
                        <xs:element ref="OperationalTrainNumber"/>
                        <xs:element ref="ScheduledTimeAtHandover" minOccurs="0"/>
                        <xs:element ref="ScheduledDateTimeAtTransfer"
minOccurs="0"/>
                      </xs:sequence>
                    </xs:complexType>
                  </xs:element>
                  <xs:element name="TrainOperatingRU" type="CompanyCode"
minOccurs="0"/>
                  <xs:element ref="TrainOperationalIdentification" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>TAF TrainID of the related
train</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="TrainDepartureDate" type="xs:date"
minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Out only: Departure Date of the Train
</xs:documentation>
```

```
                        <xs:documentation>use here the date the train left origin
using this train number</xs:documentation>
                      </xs:annotation>
                    </xs:element>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
              <xs:element name="ConsignmentIdentification" minOccurs="0"
maxOccurs="unbounded">
                <xs:annotation>
                  <xs:documentation>List of Identifications for the consignment In
order to identify the consignment(s) on the wagon, the ControlLabel and or
DossierNumber for each consignment must be present if the wagon is loaded and the
Consignment Note is already available</xs:documentation>
                  <xs:documentation>consignment note number (without carrier (due to
history))</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:sequence>
                    <xs:element name="ControlLabel" minOccurs="0">
                      <xs:complexType>
                        <xs:sequence>
                          <xs:element name="ShippingCountry">
                            <xs:annotation>
                              <xs:documentation>Forwarding UIC Country
Code</xs:documentation>
                            </xs:annotation>
                            <xs:simpleType>
                              <xs:restriction base="xs:string">
                                <xs:length value="2">
                                  <xs:annotation>
                                    <xs:documentation>= 2N = UIC country code
according to UIC leaflet 920-14</xs:documentation>
                                  </xs:annotation>
                                </xs:length>
                                <xs:pattern value="\d*[1-9]\d*"/>
                              </xs:restriction>
                            </xs:simpleType>
                          </xs:element>
                          <xs:element name="ShippingStationCode">
                            <xs:annotation>
                              <xs:documentation>UIC Code of the shipping
station</xs:documentation>
                            </xs:annotation>
                            <xs:simpleType>
                              <xs:restriction base="xs:string">
                                <xs:minLength value="1"/>
                                <xs:maxLength value="5"/>
                              </xs:restriction>
                            </xs:simpleType>
                          </xs:element>
                          <xs:element name="ShippingStationName" minOccurs="0">
                            <xs:annotation>
                              <xs:documentation>Name of the shipping
station</xs:documentation>
```

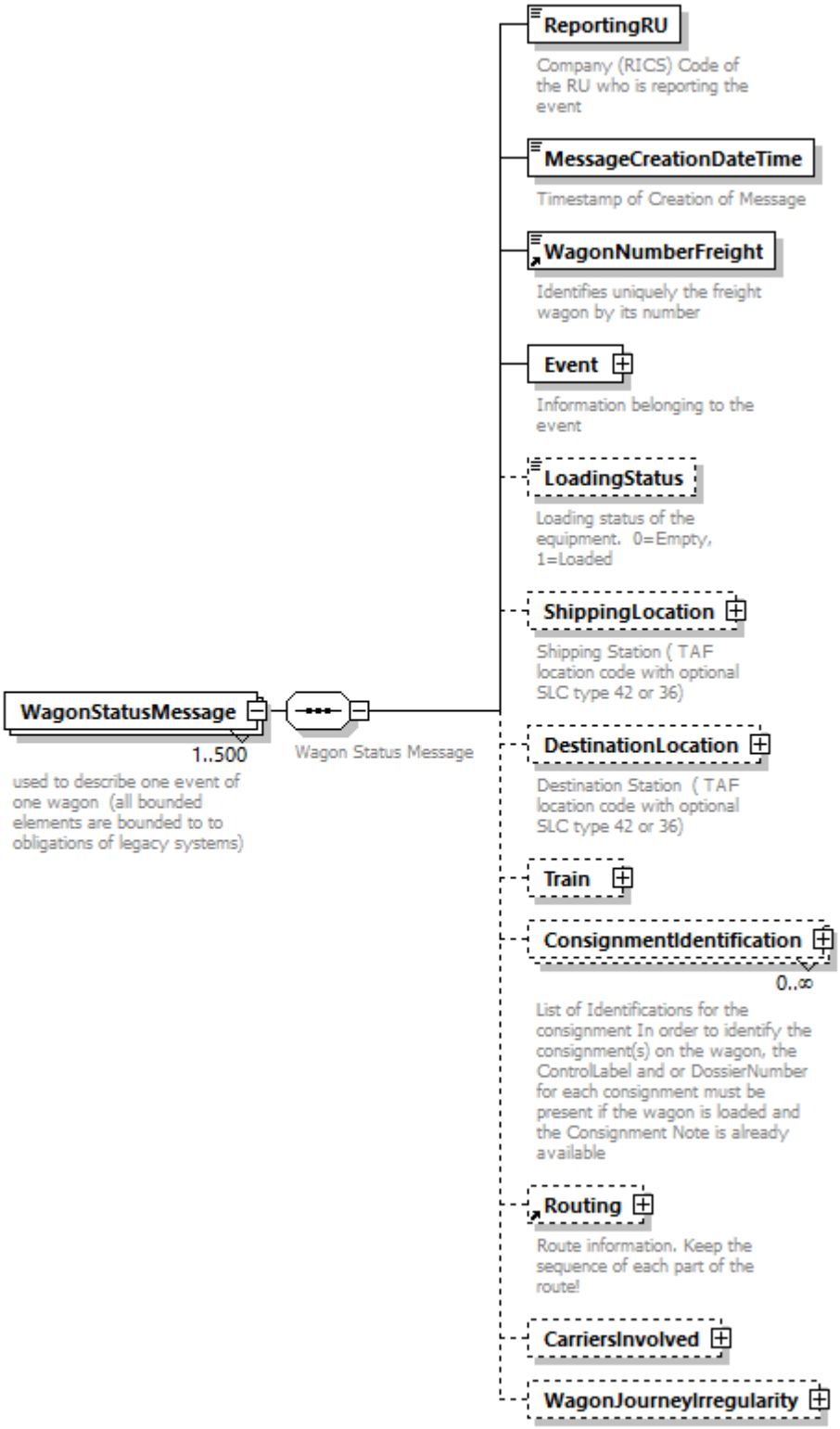
```
                            </xs:annotation>
                            <xs:simpleType>
                              <xs:restriction base="xs:string">
                                <xs:minLength value="1"/>
                                <xs:maxLength value="24"/>
                              </xs:restriction>
                            </xs:simpleType>
                          </xs:element>
                          <xs:element name="ShippingCarrier" type="CompanyCode"
minOccurs="0">
                            <xs:annotation>
                              <xs:documentation>RICS Code of the RU who created the
consignment identification (not necessarily the first carrier in the transport
chain)</xs:documentation>
                            </xs:annotation>
                          </xs:element>
                          <xs:element name="AcceptanceDate" type="xs:date"
minOccurs="0">
                            <xs:annotation>
                              <xs:documentation>Forwarding Date</xs:documentation>
                            </xs:annotation>
                          </xs:element>
                          <xs:element name="ConsignmentNumber"
type="ConsignmentIdent"/>
                        </xs:sequence>
                      </xs:complexType>
                    </xs:element>
                    <xs:element name="DossierNumber" type="xs:string"
minOccurs="0"/>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
              <xs:element ref="Routing" minOccurs="0">
                <xs:annotation>
                  <xs:documentation>Route information. Keep the sequence of each part
of the route!</xs:documentation>
                </xs:annotation>
              </xs:element>
              <xs:element name="CarriersInvolved" minOccurs="0">
                <xs:complexType>
                  <xs:sequence>
                    <xs:element name="Carrier" maxOccurs="20">
                      <xs:annotation>
                        <xs:documentation>Carrier(s) involved</xs:documentation>
                      </xs:annotation>
                      <xs:complexType>
                        <xs:sequence>
                          <xs:element name="RU" type="CompanyCode">
                            <xs:annotation>
                              <xs:documentation>Carrier (Railway
Code)</xs:documentation>
                            </xs:annotation>
                          </xs:element>
                          <xs:element ref="CarrierStatus" minOccurs="0"/>
                        </xs:sequence>
```

```
                    </xs:complexType>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element name="WagonJourneyIrregularity" minOccurs="0">
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="DamageCodes" minOccurs="0"
maxOccurs="unbounded">
                    <xs:annotation>
                      <xs:documentation>List of Damage Codes according to
description in GCU Appendix 9 Annex 1</xs:documentation>
                    </xs:annotation>
                    <xs:complexType>
                      <xs:sequence>
                        <xs:element name="DamageCodePosition1">
                          <xs:simpleType>
                            <xs:restriction base="xs:short">
                              <xs:minInclusive value="1"/>
                              <xs:maxInclusive value="99"/>
                            </xs:restriction>
                          </xs:simpleType>
                        </xs:element>
                        <xs:element name="DamageCodePosition2" minOccurs="0">
                          <xs:simpleType>
                            <xs:restriction base="xs:short">
                              <xs:minInclusive value="1"/>
                              <xs:maxInclusive value="99"/>
                            </xs:restriction>
                          </xs:simpleType>
                        </xs:element>
                        <xs:element name="DamageCodePosition3" minOccurs="0">
                          <xs:simpleType>
                            <xs:restriction base="xs:short">
                              <xs:minInclusive value="1"/>
                              <xs:maxInclusive value="99"/>
                            </xs:restriction>
                          </xs:simpleType>
                        </xs:element>
                        <xs:element name="DamageCodePosition4" minOccurs="0">
                          <xs:simpleType>
                            <xs:restriction base="xs:short">
                              <xs:minInclusive value="1"/>
                              <xs:maxInclusive value="99"/>
                            </xs:restriction>
                          </xs:simpleType>
                        </xs:element>
                        <xs:element name="DamageOldOrNew" minOccurs="0">
                          <xs:simpleType>
                            <xs:restriction base="xs:short">
                              <xs:enumeration value="0"/>
                              <xs:enumeration value="1"/>
                            </xs:restriction>
                          </xs:simpleType>
```

```
                        </xs:element>
                      </xs:sequence>
                    </xs:complexType>
                  </xs:element>
                  <xs:element name="IsAbleToRun" type="xs:boolean" minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>True if the damage does not cause an
interruption of the transport run. False otherwise: The damage causes an interruption
of the transport run (the wagon has to be repaired,  the loading of the good has to
be bettered, . . .</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonStatusMessages/WagonStatusMessage**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 1 maxOcc 500

	content complex
children	**ReportingRU** **MessageCreationDateTime** **WagonNumberFreight** **Event** **LoadingStatus** **ShippingLocation** **DestinationLocation** **Train** **ConsignmentIdentification** **Routing** **CarriersInvolved** **WagonJourneyIrregularity**
annotation	documentation used to describe one event of one wagon (all bounded elements are bounded to to obligations of legacy systems)
source	

```
<xs:element name="WagonStatusMessage" maxOccurs="500">
  <xs:annotation>
    <xs:documentation>used to describe one event of one wagon  (all bounded elements
are bounded to to obligations of legacy systems)</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:annotation>
        <xs:documentation>Wagon Status Message</xs:documentation>
      </xs:annotation>
      <xs:element name="ReportingRU" type="CompanyCode">
        <xs:annotation>
          <xs:documentation>Company (RICS) Code of the RU who is reporting the
event</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="MessageCreationDateTime" type="xs:dateTime">
        <xs:annotation>
          <xs:documentation>Timestamp of Creation of Message</xs:documentation>
          <xs:documentation>the timestamp is created by the originally sending RU,
it remains unchanged, when forwarded by the central ISR
application</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="WagonNumberFreight"/>
      <xs:element name="Event">
        <xs:annotation>
          <xs:documentation>Information belonging to the event</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="EventType"/>
            <xs:element name="EventDateTime" type="xs:dateTime">
              <xs:annotation>
                <xs:documentation>Event Time Stamp </xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="EventLocationInformation" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Information concerning the event location.
Optional for event types 06 and 16, these events may not have a location. But for
all remaining event types, at least one of the elements EventLocation or Position
should be sent</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="EventLocation" type="LocationIdent"
minOccurs="0">
                    <xs:annotation>
```

```
                        <xs:documentation>Location where the event
happend</xs:documentation>
                      </xs:annotation>
                    </xs:element>
                    <xs:element name="Position" minOccurs="0">
                      <xs:annotation>
                        <xs:documentation>Geo coordinates of the wagon  event
location in WGS84 as used in the CRD</xs:documentation>
                      </xs:annotation>
                      <xs:complexType>
                        <xs:sequence>
                          <xs:element name="Latitude" type="xs:decimal"/>
                          <xs:element name="Longitude" type="xs:decimal"/>
                        </xs:sequence>
                      </xs:complexType>
                    </xs:element>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
        <xs:element name="LoadingStatus" minOccurs="0">
          <xs:annotation>
            <xs:documentation>Loading status of the equipment.  0=Empty,
1=Loaded</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction base="xs:integer">
              <xs:enumeration value="0"/>
              <xs:enumeration value="1"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <xs:element name="ShippingLocation" type="LocationIdent" minOccurs="0">
          <xs:annotation>
            <xs:documentation>Shipping Station ( TAF location code with optional SLC
type 42 or 36)</xs:documentation>
            <xs:documentation>use here the station code of the station the wagon has
started its transport run</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="DestinationLocation" type="LocationIdent" minOccurs="0">
          <xs:annotation>
            <xs:documentation>Destination Station  ( TAF location code with optional
SLC type 42 or 36)</xs:documentation>
            <xs:documentation>use here the station code of the station the wagon shall
terminate its transport run </xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="Train" minOccurs="0">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="OperationalTrainNumberIdentifier">
                <xs:complexType>
```

```
                <xs:sequence>
                  <xs:element ref="OperationalTrainNumber"/>
                  <xs:element ref="ScheduledTimeAtHandover" minOccurs="0"/>
                  <xs:element ref="ScheduledDateTimeAtTransfer" minOccurs="0"/>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element name="TrainOperatingRU" type="CompanyCode"
minOccurs="0"/>
            <xs:element ref="TrainOperationalIdentification" minOccurs="0">
              <xs:annotation>
                <xs:documentation>TAF TrainID of the related
train</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="TrainDepartureDate" type="xs:date" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Out only: Departure Date of the Train
</xs:documentation>
                <xs:documentation>use here the date the train left origin using this
train number</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="ConsignmentIdentification" minOccurs="0"
maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>List of Identifications for the consignment In order to
identify the consignment(s) on the wagon, the ControlLabel and or DossierNumber for
each consignment must be present if the wagon is loaded and the Consignment Note is
already available</xs:documentation>
          <xs:documentation>consignment note number (without carrier (due to
history))</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="ControlLabel" minOccurs="0">
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="ShippingCountry">
                    <xs:annotation>
                      <xs:documentation>Forwarding UIC Country
Code</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:length value="2">
                          <xs:annotation>
                            <xs:documentation>= 2N = UIC country code according to
UIC leaflet 920-14</xs:documentation>
                          </xs:annotation>
                        </xs:length>
                        <xs:pattern value="\d*[1-9]\d*"/>
```

```
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                    <xs:element name="ShippingStationCode">
                      <xs:annotation>
                        <xs:documentation>UIC Code of the shipping
station</xs:documentation>
                      </xs:annotation>
                      <xs:simpleType>
                        <xs:restriction base="xs:string">
                          <xs:minLength value="1"/>
                          <xs:maxLength value="5"/>
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                    <xs:element name="ShippingStationName" minOccurs="0">
                      <xs:annotation>
                        <xs:documentation>Name of the shipping
station</xs:documentation>
                      </xs:annotation>
                      <xs:simpleType>
                        <xs:restriction base="xs:string">
                          <xs:minLength value="1"/>
                          <xs:maxLength value="24"/>
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                    <xs:element name="ShippingCarrier" type="CompanyCode"
minOccurs="0">
                      <xs:annotation>
                        <xs:documentation>RICS Code of the RU who created the
consignment identification (not necessarily the first carrier in the transport
chain)</xs:documentation>
                      </xs:annotation>
                    </xs:element>
                    <xs:element name="AcceptanceDate" type="xs:date" minOccurs="0">
                      <xs:annotation>
                        <xs:documentation>Forwarding Date</xs:documentation>
                      </xs:annotation>
                    </xs:element>
                    <xs:element name="ConsignmentNumber" type="ConsignmentIdent"/>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
              <xs:element name="DossierNumber" type="xs:string" minOccurs="0"/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
        <xs:element ref="Routing" minOccurs="0">
          <xs:annotation>
            <xs:documentation>Route information. Keep the sequence of each part of the
route!</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="CarriersInvolved" minOccurs="0">
```

```
          <xs:complexType>
            <xs:sequence>
              <xs:element name="Carrier" maxOccurs="20">
                <xs:annotation>
                  <xs:documentation>Carrier(s) involved</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:sequence>
                    <xs:element name="RU" type="CompanyCode">
                      <xs:annotation>
                        <xs:documentation>Carrier (Railway Code)</xs:documentation>
                      </xs:annotation>
                    </xs:element>
                    <xs:element ref="CarrierStatus" minOccurs="0"/>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
        <xs:element name="WagonJourneyIrregularity" minOccurs="0">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="DamageCodes" minOccurs="0" maxOccurs="unbounded">
                <xs:annotation>
                  <xs:documentation>List of Damage Codes according to description in
GCU Appendix 9 Annex 1</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:sequence>
                    <xs:element name="DamageCodePosition1">
                      <xs:simpleType>
                        <xs:restriction base="xs:short">
                          <xs:minInclusive value="1"/>
                          <xs:maxInclusive value="99"/>
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                    <xs:element name="DamageCodePosition2" minOccurs="0">
                      <xs:simpleType>
                        <xs:restriction base="xs:short">
                          <xs:minInclusive value="1"/>
                          <xs:maxInclusive value="99"/>
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                    <xs:element name="DamageCodePosition3" minOccurs="0">
                      <xs:simpleType>
                        <xs:restriction base="xs:short">
                          <xs:minInclusive value="1"/>
                          <xs:maxInclusive value="99"/>
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                    <xs:element name="DamageCodePosition4" minOccurs="0">
```

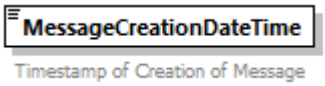
```
                    <xs:simpleType>
                      <xs:restriction base="xs:short">
                        <xs:minInclusive value="1"/>
                        <xs:maxInclusive value="99"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element name="DamageOldOrNew" minOccurs="0">
                    <xs:simpleType>
                      <xs:restriction base="xs:short">
                        <xs:enumeration value="0"/>
                        <xs:enumeration value="1"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element name="IsAbleToRun" type="xs:boolean" minOccurs="0">
              <xs:annotation>
                <xs:documentation>True if the damage does not cause an interruption
of the transport run. False otherwise: The damage causes an interruption of the
transport run (the wagon has to be repaired,  the loading of the good has to be
bettered, . . .</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonStatusMessages/WagonStatusMessage/ReportingRU**

diagram	**ReportingRU** Company (RICS) Code of the RU who is reporting the event
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
facets	Kind / Value / Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Company (RICS) Code of the RU who is reporting the event
source	`<xs:element name="ReportingRU" type="CompanyCode">` `  <xs:annotation>`

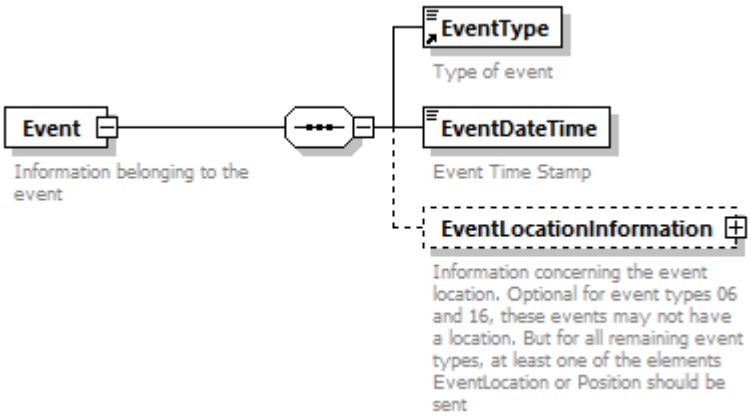
```
    <xs:documentation>Company (RICS) Code of the RU who is reporting the
event</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **WagonStatusMessages/WagonStatusMessage/MessageCreationDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
annotation	documentation Timestamp of Creation of Message documentation the timestamp is created by the originally sending RU, it remains unchanged, when forwarded by the central ISR application

source	`<xs:element name="MessageCreationDateTime" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Timestamp of Creation of Message</xs:documentation>`
	`  <xs:documentation>the timestamp is created by the originally sending RU, it remains unchanged, when forwarded by the central ISR application</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **WagonStatusMessages/WagonStatusMessage/Event**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**EventType** **EventDateTime** **EventLocationInformation**
annotation	documentation Information belonging to the event
source	`<xs:element name="Event">`

```
  <xs:annotation>
    <xs:documentation>Information belonging to the event</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="EventType"/>
      <xs:element name="EventDateTime" type="xs:dateTime">
        <xs:annotation>
          <xs:documentation>Event Time Stamp </xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="EventLocationInformation" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Information concerning the event location. Optional for
event types 06 and 16, these events may not have a location. But for all remaining
event types, at least one of the elements EventLocation or Position should be
sent</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="EventLocation" type="LocationIdent" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Location where the event
happend</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="Position" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Geo coordinates of the wagon  event location in
WGS84 as used in the CRD</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="Latitude" type="xs:decimal"/>
                  <xs:element name="Longitude" type="xs:decimal"/>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

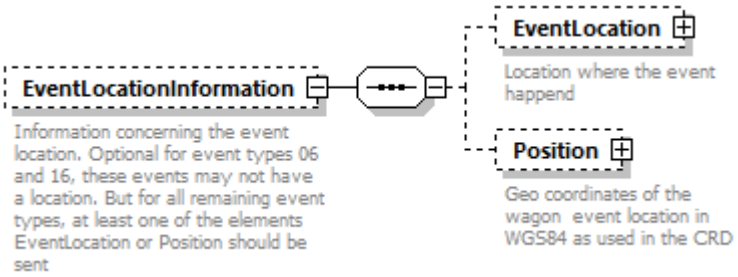
element **WagonStatusMessages/WagonStatusMessage/Event/EventDateTime**

diagram	EventDateTime Event Time Stamp
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**

properties	content simple
annotation	documentation Event Time Stamp

source	`<xs:element name="EventDateTime" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Event Time Stamp </xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **WagonStatusMessages/WagonStatusMessage/Event/EventLocationInformation**

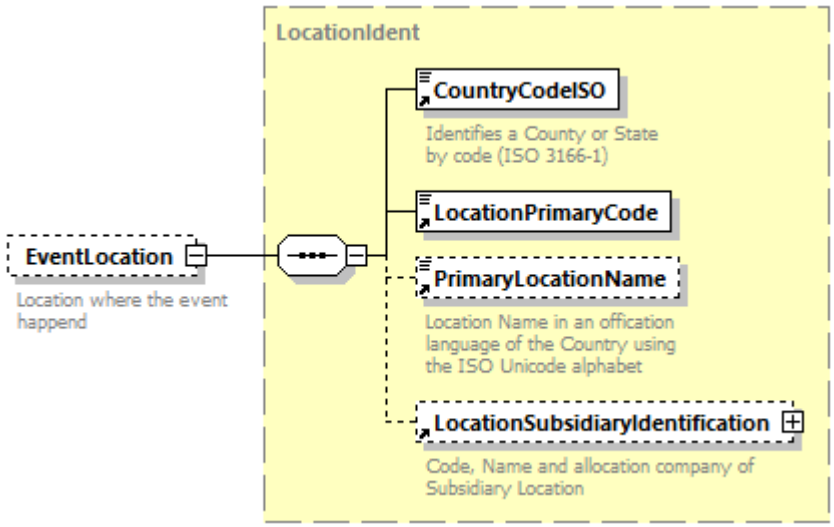
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**EventLocation** **Position**
annotation	documentation Information concerning the event location. Optional for event types 06 and 16, these events may not have a location. But for all remaining event types, at least one of the elements EventLocation or Position should be sent

source	`<xs:element name="EventLocationInformation" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Information concerning the event location. Optional for event types 06 and 16, these events may not have a location. But for all remaining event types, at least one of the elements EventLocation or Position should be sent</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="EventLocation" type="LocationIdent" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Location where the event happend</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  <xs:element name="Position" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Geo coordinates of the wagon  event location in WGS84 as used in the CRD</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="Latitude" type="xs:decimal"/>`
	`  <xs:element name="Longitude" type="xs:decimal"/>`

```
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
```

element **WagonStatusMessages/WagonStatusMessage/Event/EventLocationInformation/EventLocation**

diagram



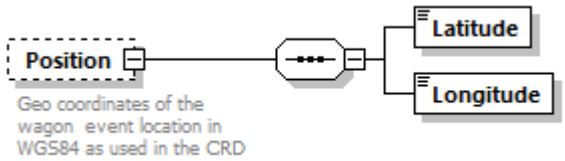
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	minOcc 0 maxOcc 1 content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation Location where the event happend

source

```
<xs:element name="EventLocation" type="LocationIdent" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Location where the event happend</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **WagonStatusMessages/WagonStatusMessage/Event/EventLocationInformation/Position**

diagram

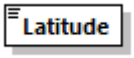


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

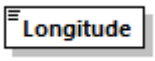
properties	minOcc 0 maxOcc 1 content complex
children	**Latitude** **Longitude**
annotation	documentation Geo coordinates of the wagon event location in WGS84 as used in the CRD

source	`<xs:element name="Position" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Geo coordinates of the wagon event location in WGS84 as used in the CRD</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="Latitude" type="xs:decimal"/>`
	`  <xs:element name="Longitude" type="xs:decimal"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

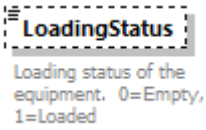
element
WagonStatusMessages/WagonStatusMessage/Event/EventLocationInformation/Position/Latitude

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:decimal**
properties	content simple
used by	element **GeographicCoordinates**
source	`<xs:element name="Latitude" type="xs:decimal"/>`

element
WagonStatusMessages/WagonStatusMessage/Event/EventLocationInformation/Position/Longitude

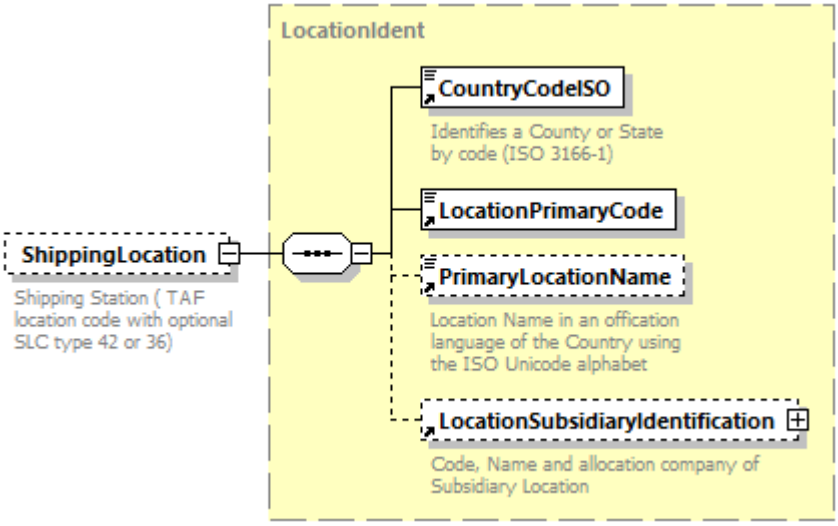
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:decimal**
properties	content simple
used by	element **GeographicCoordinates**
source	`<xs:element name="Longitude" type="xs:decimal"/>`

element **WagonStatusMessages/WagonStatusMessage/LoadingStatus**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	minOcc 0 maxOcc 1 content simple
used by	elements **ILU_Details** **ITU_Details** **RollingRoadUnit/RollingRoadUnitDetails** **Wagons/WagonDetails** **WagonInformation**
facets	Kind Value Annotation enumeration 0 enumeration 1
annotation	documentation Loading status of the equipment. 0=Empty, 1=Loaded

source	`<xs:element name="LoadingStatus" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Loading status of the equipment. 0=Empty, 1=Loaded</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:enumeration value="0"/>`
	`  <xs:enumeration value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

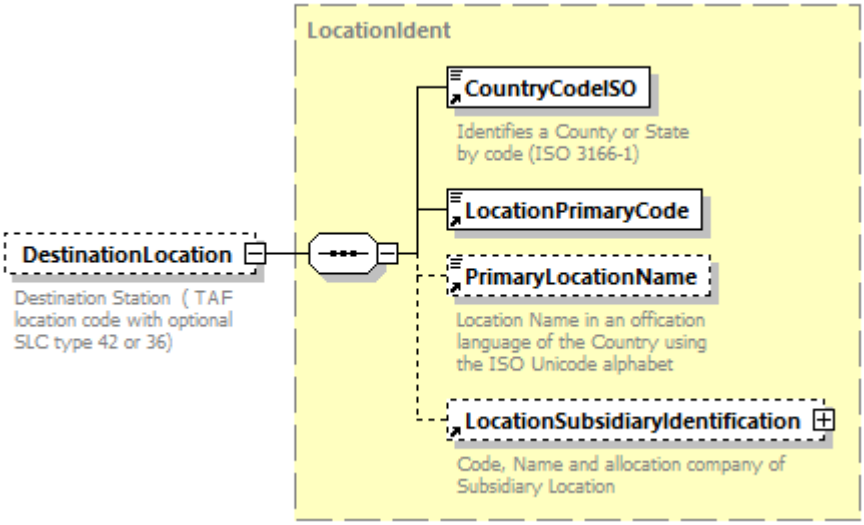
element **WagonStatusMessages/WagonStatusMessage/ShippingLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	**LocationIdent**
properties	minOcc 0 maxOcc 1 content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation Shipping Station (TAF location code with optional SLC type 42 or 36) documentation use here the station code of the station the wagon has started its transport run

source	`<xs:element name="ShippingLocation" type="LocationIdent" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Shipping Station ( TAF location code with optional SLC type 42 or 36)</xs:documentation>`
	`  <xs:documentation>use here the station code of the station the wagon has started its transport run</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **WagonStatusMessages/WagonStatusMessage/DestinationLocation**

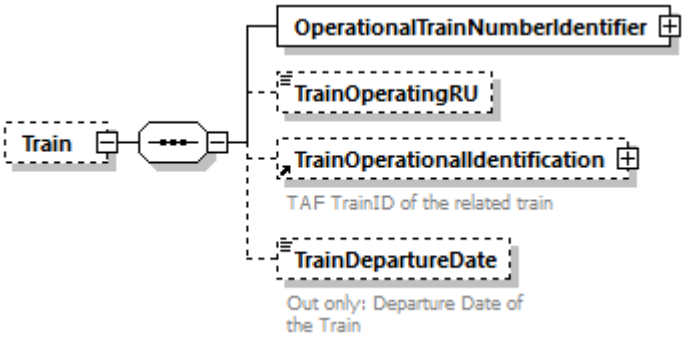
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	minOcc 0 maxOcc 1 content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation Destination Station (TAF location code with optional SLC type 42 or 36) documentation use here the station code of the station the wagon shall terminate its transport run

source	`<xs:element name="DestinationLocation" type="LocationIdent" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Destination Station ( TAF location code with optional SLC`

```
type 42 or 36)</xs:documentation>
    <xs:documentation>use here the station code of the station the wagon shall
terminate its transport run </xs:documentation>
  </xs:annotation>
</xs:element>
```

element **WagonStatusMessages/WagonStatusMessage/Train**

diagram



namespace: http://www.era.europa.eu/schemes/TAFTSI/3.5

properties

minOcc	0
maxOcc	1
content	complex

children: **OperationalTrainNumberIdentifier** **TrainOperatingRU** **TrainOperationalIdentification** **TrainDepartureDate**

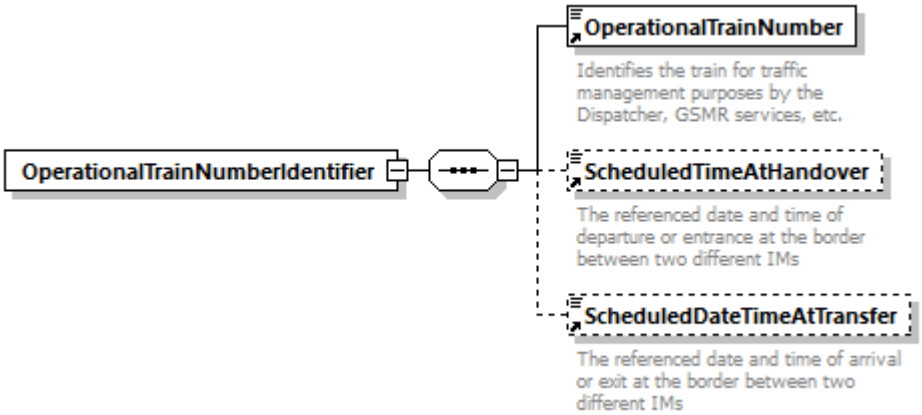
source

```
<xs:element name="Train" minOccurs="0">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="OperationalTrainNumberIdentifier">
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="OperationalTrainNumber"/>
            <xs:element ref="ScheduledTimeAtHandover" minOccurs="0"/>
            <xs:element ref="ScheduledDateTimeAtTransfer" minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="TrainOperatingRU" type="CompanyCode" minOccurs="0"/>
      <xs:element ref="TrainOperationalIdentification" minOccurs="0">
        <xs:annotation>
          <xs:documentation>TAF TrainID of the related train</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="TrainDepartureDate" type="xs:date" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Out only: Departure Date of the Train
</xs:documentation>
          <xs:documentation>use here the date the train left origin using this train
number</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
```

```
</xs:element>
```

element **WagonStatusMessages/WagonStatusMessage/Train/OperationalTrainNumberIdentifier**

diagram



namespace: http://www.era.europa.eu/schemes/TAFTSI/3.5

properties: content complex

children: **OperationalTrainNumber** **ScheduledTimeAtHandover** **ScheduledDateTimeAtTransfer**

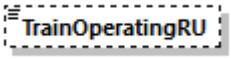
used by: elements **AffectedLocation** **AffectedSection** **ChangeOfTrackMessage** **PassengerTrainCompositionMessage** **ReferenceOTN** **RollingStockRestrictionMessage** **TrainAtLocation** **TrainCompositionMessage** **TrainDelayCauseMessage** **TrainForecastedDelayCauseMessage** **TrainJourneyModificationMessage** **TrainReadyMessage** **TrainRunningForecastMessage** **TrainRunningInformationMessage** **TrainRunningInterruptionMessage** **RunningStatusReportMessage/TransportDeviceID**

source

```
<xs:element name="OperationalTrainNumberIdentifier">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="OperationalTrainNumber"/>
      <xs:element ref="ScheduledTimeAtHandover" minOccurs="0"/>
      <xs:element ref="ScheduledDateTimeAtTransfer" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonStatusMessages/WagonStatusMessage/Train/TrainOperatingRU**

diagram



namespace: http://www.era.europa.eu/schemes/TAFTSI/3.5

type: **CompanyCode**

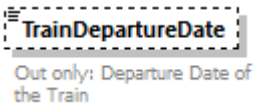
properties:
minOcc 0
maxOcc 1
content simple

facets

Kind	Value	Annotation
minLength	4	
maxLength	4	

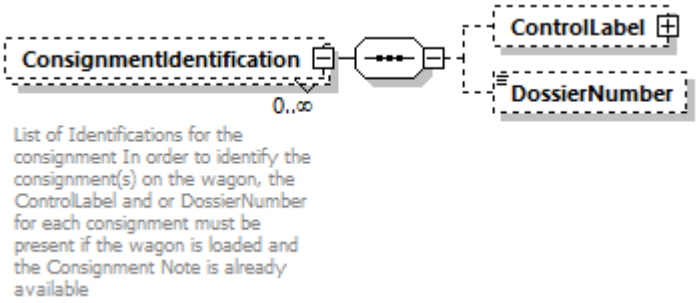
	pattern [0-9A-Z]{4}
source	`<xs:element name="TrainOperatingRU" type="CompanyCode" minOccurs="0"/>`

element **WagonStatusMessages/WagonStatusMessage/Train/TrainDepartureDate**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Out only: Departure Date of the Train documentation use here the date the train left origin using this train number

source	`<xs:element name="TrainDepartureDate" type="xs:date" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Out only: Departure Date of the Train </xs:documentation>`
	`  <xs:documentation>use here the date the train left origin using this train number</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **WagonStatusMessages/WagonStatusMessage/ConsignmentIdentification**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc unbounded content complex
children	**ControlLabel** **DossierNumber**
annotation	documentation List of Identifications for the consignment In order to identify the consignment(s) on the wagon, the ControlLabel and or DossierNumber for each consignment must be present if the wagon is loaded and the Consignment Note is already available documentation consignment note number (without carrier (due to history))

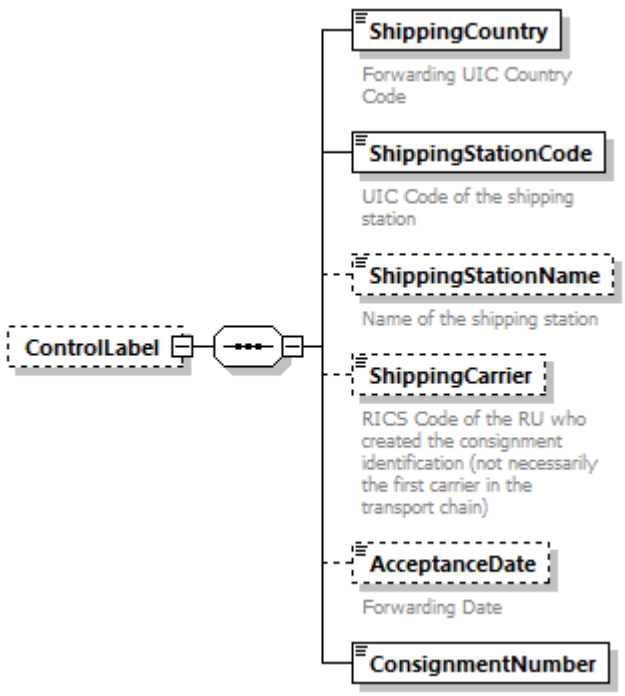
source

```
<xs:element name="ConsignmentIdentification" minOccurs="0" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>List of Identifications for the consignment In order to
identify the consignment(s) on the wagon, the ControlLabel and or DossierNumber for
each consignment must be present if the wagon is loaded and the Consignment Note is
already available</xs:documentation>
    <xs:documentation>consignment note number (without carrier (due to
history))</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="ControlLabel" minOccurs="0">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="ShippingCountry">
              <xs:annotation>
                <xs:documentation>Forwarding UIC Country Code</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:length value="2">
                    <xs:annotation>
                      <xs:documentation>= 2N = UIC country code according to UIC
leaflet 920-14</xs:documentation>
                    </xs:annotation>
                  </xs:length>
                  <xs:pattern value="\d*[1-9]\d*"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="ShippingStationCode">
              <xs:annotation>
                <xs:documentation>UIC Code of the shipping
station</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:minLength value="1"/>
                  <xs:maxLength value="5"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="ShippingStationName" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Name of the shipping station</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:minLength value="1"/>
                  <xs:maxLength value="24"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="ShippingCarrier" type="CompanyCode" minOccurs="0">
```

```
              <xs:annotation>
                <xs:documentation>RICS Code of the RU who created the consignment
identification (not necessarily the first carrier in the transport
chain)</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="AcceptanceDate" type="xs:date" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Forwarding Date</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="ConsignmentNumber" type="ConsignmentIdent"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="DossierNumber" type="xs:string" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonStatusMessages/WagonStatusMessage/ConsignmentIdentification/ControlLabel**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	ShippingCountry ShippingStationCode ShippingStationName ShippingCarrier AcceptanceDate ConsignmentNumber
source	`<xs:element name="ControlLabel" minOccurs="0">` `  <xs:complexType>`

```
    <xs:sequence>
      <xs:element name="ShippingCountry">
        <xs:annotation>
          <xs:documentation>Forwarding UIC Country Code</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:length value="2">
              <xs:annotation>
                <xs:documentation>= 2N = UIC country code according to UIC leaflet
920-14</xs:documentation>
              </xs:annotation>
            </xs:length>
            <xs:pattern value="\d*[1-9]\d*"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ShippingStationCode">
        <xs:annotation>
          <xs:documentation>UIC Code of the shipping station</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="5"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ShippingStationName" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Name of the shipping station</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="24"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ShippingCarrier" type="CompanyCode" minOccurs="0">
        <xs:annotation>
          <xs:documentation>RICS Code of the RU who created the consignment
identification (not necessarily the first carrier in the transport
chain)</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="AcceptanceDate" type="xs:date" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Forwarding Date</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="ConsignmentNumber" type="ConsignmentIdent"/>
    </xs:sequence>
  </xs:complexType>
```

	`</xs:element>`

element
WagonStatusMessages/WagonStatusMessage/ConsignmentIdentification/ControlLabel/ShippingCountry

diagram	**ShippingCountry** Forwarding UIC Country Code
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation length 2 documentation = 2N = UIC country code according to UIC leaflet 920-14 pattern \d*[1-9]\d*
annotation	documentation Forwarding UIC Country Code

source	`<xs:element name="ShippingCountry">`
	`  <xs:annotation>`
	`  <xs:documentation>Forwarding UIC Country Code</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:length value="2">`
	`  <xs:annotation>`
	`  <xs:documentation>= 2N = UIC country code according to UIC leaflet 920-14</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:length>`
	`  <xs:pattern value="\d*[1-9]\d*"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

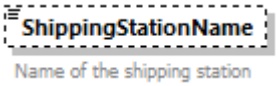
element
WagonStatusMessages/WagonStatusMessage/ConsignmentIdentification/ControlLabel/ShippingStationCode

diagram	**ShippingStationCode** UIC Code of the shipping station
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple

facets	Kind Value Annotation minLength 1 maxLength 5
annotation	documentation UIC Code of the shipping station

source	`<xs:element name="ShippingStationCode">`
	`  <xs:annotation>`
	`  <xs:documentation>UIC Code of the shipping station</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="5"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element
WagonStatusMessages/WagonStatusMessage/ConsignmentIdentification/ControlLabel/ShippingStationName

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 24
annotation	documentation Name of the shipping station

source	`<xs:element name="ShippingStationName" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Name of the shipping station</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="24"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element
WagonStatusMessages/WagonStatusMessage/ConsignmentIdentification/ControlLabel/ShippingCarrier

diagram	ShippingCarrier RICS Code of the RU who created the consignment identification (not necessarily the first carrier in the transport chain)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation RICS Code of the RU who created the consignment identification (not necessarily the first carrier in the transport chain)

source	`<xs:element name="ShippingCarrier" type="CompanyCode" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>RICS Code of the RU who created the consignment identification (not necessarily the first carrier in the transport chain)</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element
WagonStatusMessages/WagonStatusMessage/ConsignmentIdentification/ControlLabel/AcceptanceDate

diagram	AcceptanceDate Forwarding Date
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Forwarding Date

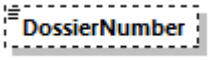
source	`<xs:element name="AcceptanceDate" type="xs:date" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Forwarding Date</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element
WagonStatusMessages/WagonStatusMessage/ConsignmentIdentification/ControlLabel/ConsignmentNu

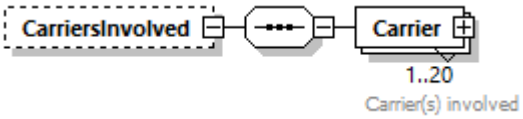
mber

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**ConsignmentIdent**
properties	content complex
source	`<xs:element name="ConsignmentNumber" type="ConsignmentIdent"/>`

element **WagonStatusMessages/WagonStatusMessage/ConsignmentIdentification/DossierNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="DossierNumber" type="xs:string" minOccurs="0"/>`

element **WagonStatusMessages/WagonStatusMessage/CarriersInvolved**

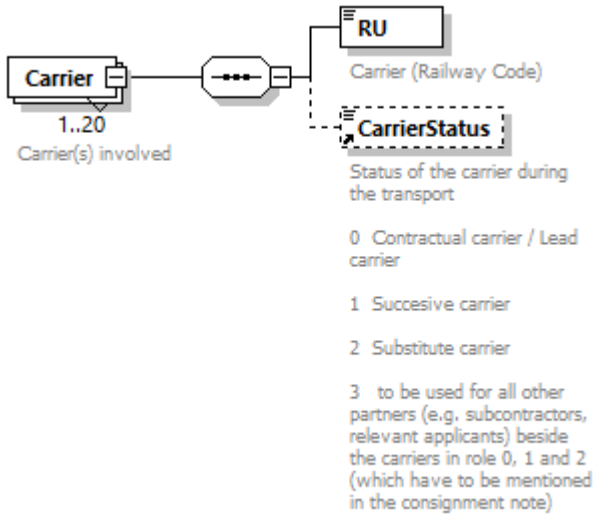
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**Carrier**
source	

```
<xs:element name="CarriersInvolved" minOccurs="0">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Carrier" maxOccurs="20">
        <xs:annotation>
          <xs:documentation>Carrier(s) involved</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="RU" type="CompanyCode">
              <xs:annotation>
                <xs:documentation>Carrier (Railway Code)</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="CarrierStatus" minOccurs="0"/>
```

```
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
```

element **WagonStatusMessages/WagonStatusMessage/CarriersInvolved/Carrier**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 1 maxOcc 20 content complex
children	**RU** **CarrierStatus**
annotation	documentation Carrier(s) involved

source

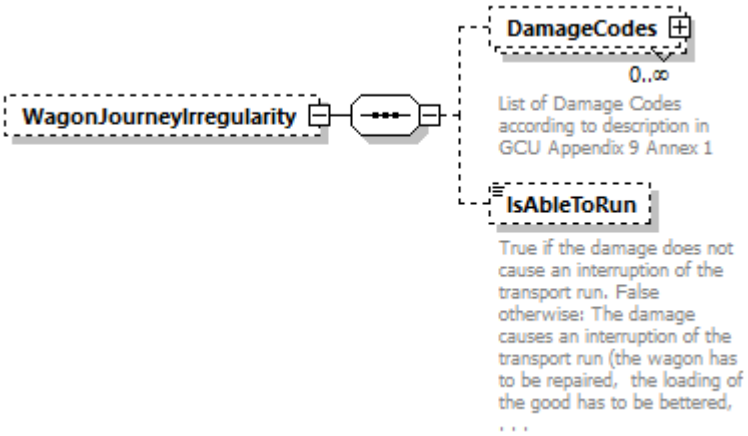
```
<xs:element name="Carrier" maxOccurs="20">
  <xs:annotation>
    <xs:documentation>Carrier(s) involved</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="RU" type="CompanyCode">
        <xs:annotation>
          <xs:documentation>Carrier (Railway Code)</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="CarrierStatus" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonStatusMessages/WagonStatusMessage/CarriersInvolved/Carrier/RU**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Carrier (Railway Code)

source	`<xs:element name="RU" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Carrier (Railway Code)</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **WagonStatusMessages/WagonStatusMessage/WagonJourneyIrregularity**

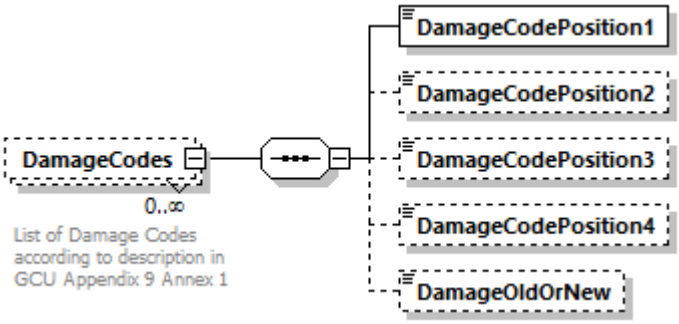
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**DamageCodes** **IsAbleToRun**

source	`<xs:element name="WagonJourneyIrregularity" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="DamageCodes" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:annotation>`
	`  <xs:documentation>List of Damage Codes according to description in GCU Appendix 9 Annex 1</xs:documentation>`
	`  </xs:annotation>`

```
        <xs:complexType>
          <xs:sequence>
            <xs:element name="DamageCodePosition1">
              <xs:simpleType>
                <xs:restriction base="xs:short">
                  <xs:minInclusive value="1"/>
                  <xs:maxInclusive value="99"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="DamageCodePosition2" minOccurs="0">
              <xs:simpleType>
                <xs:restriction base="xs:short">
                  <xs:minInclusive value="1"/>
                  <xs:maxInclusive value="99"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="DamageCodePosition3" minOccurs="0">
              <xs:simpleType>
                <xs:restriction base="xs:short">
                  <xs:minInclusive value="1"/>
                  <xs:maxInclusive value="99"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="DamageCodePosition4" minOccurs="0">
              <xs:simpleType>
                <xs:restriction base="xs:short">
                  <xs:minInclusive value="1"/>
                  <xs:maxInclusive value="99"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="DamageOldOrNew" minOccurs="0">
              <xs:simpleType>
                <xs:restriction base="xs:short">
                  <xs:enumeration value="0"/>
                  <xs:enumeration value="1"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="IsAbleToRun" type="xs:boolean" minOccurs="0">
        <xs:annotation>
          <xs:documentation>True if the damage does not cause an interruption of the
transport run. False otherwise: The damage causes an interruption of the transport
run (the wagon has to be repaired,  the loading of the good has to be bettered, .
. .</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
```

	`</xs:element>`

element **WagonStatusMessages/WagonStatusMessage/WagonJourneyIrregularity/DamageCodes**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc unbounded content complex
children	**DamageCodePosition1** **DamageCodePosition2** **DamageCodePosition3** **DamageCodePosition4** **DamageOldOrNew**
annotation	documentation List of Damage Codes according to description in GCU Appendix 9 Annex 1

source

```
<xs:element name="DamageCodes" minOccurs="0" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>List of Damage Codes according to description in GCU Appendix
9 Annex 1</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="DamageCodePosition1">
        <xs:simpleType>
          <xs:restriction base="xs:short">
            <xs:minInclusive value="1"/>
            <xs:maxInclusive value="99"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="DamageCodePosition2" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:short">
            <xs:minInclusive value="1"/>
            <xs:maxInclusive value="99"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="DamageCodePosition3" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:short">
            <xs:minInclusive value="1"/>
            <xs:maxInclusive value="99"/>
          </xs:restriction>
        </xs:simpleType>
```

```
      </xs:element>
      <xs:element name="DamageCodePosition4" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:short">
            <xs:minInclusive value="1"/>
            <xs:maxInclusive value="99"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="DamageOldOrNew" minOccurs="0">
        <xs:simpleType>
          <xs:restriction base="xs:short">
            <xs:enumeration value="0"/>
            <xs:enumeration value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element
WagonStatusMessages/WagonStatusMessage/WagonJourneyIrregularity/DamageCodes/DamageCodePosition1

diagram	DamageCodePosition1
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:short**
properties	content simple
facets	Kind / Value / Annotation minInclusive 1 maxInclusive 99

source

```
<xs:element name="DamageCodePosition1">
  <xs:simpleType>
    <xs:restriction base="xs:short">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="99"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element
WagonStatusMessages/WagonStatusMessage/WagonJourneyIrregularity/DamageCodes/DamageCodePosition2

diagram	DamageCodePosition2

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:short**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 99

source	`<xs:element name="DamageCodePosition2" minOccurs="0">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:short">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="99"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element
WagonStatusMessages/WagonStatusMessage/WagonJourneyIrregularity/DamageCodes/DamageCodePosition3

diagram	DamageCodePosition3
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:short**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 99

source	`<xs:element name="DamageCodePosition3" minOccurs="0">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:short">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="99"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

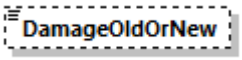
element
WagonStatusMessages/WagonStatusMessage/WagonJourneyIrregularity/DamageCodes/DamageCodePosition4

diagram	DamageCodePosition4
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	restriction of **xs:short**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 99

source	`<xs:element name="DamageCodePosition4" minOccurs="0">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:short">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="99"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element
WagonStatusMessages/WagonStatusMessage/WagonJourneyIrregularity/DamageCodes/DamageOldOrNew

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:short**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation enumeration 0 enumeration 1

source	`<xs:element name="DamageOldOrNew" minOccurs="0">`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:short">`
	`  <xs:enumeration value="0"/>`
	`  <xs:enumeration value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

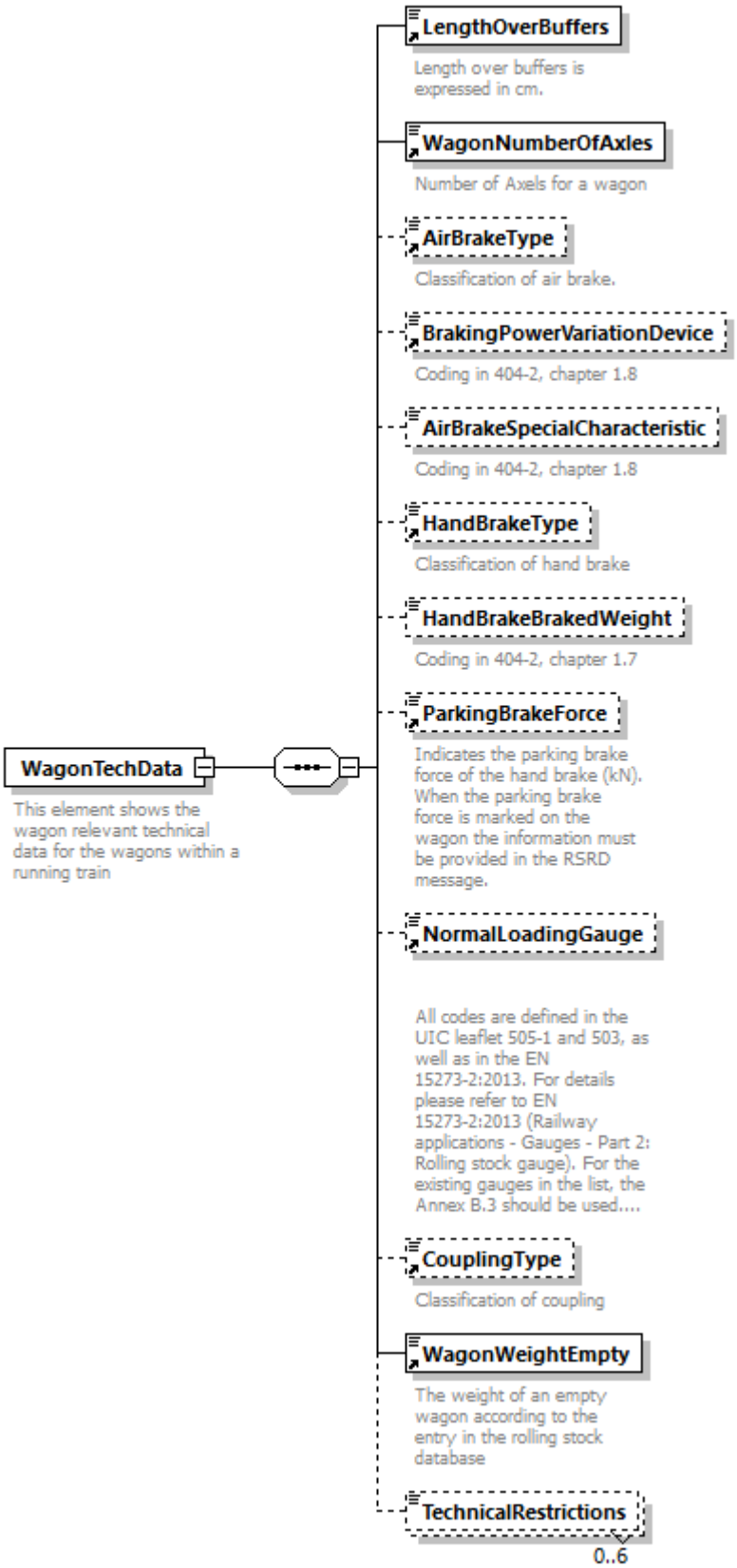
element **WagonStatusMessages/WagonStatusMessage/WagonJourneyIrregularity/IsAbleToRun**

diagram	**IsAbleToRun** True if the damage does not cause an interruption of the transport run. False otherwise: The damage causes an interruption of the transport run (the wagon has to be repaired, the loading of the good has to be bettered, . . .
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation True if the damage does not cause an interruption of the transport run. False otherwise: The damage causes an interruption of the transport run (the wagon has to be repaired, the loading of the good has to be bettered, . . .

source	`<xs:element name="IsAbleToRun" type="xs:boolean" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>True if the damage does not cause an interruption of the transport run. False otherwise: The damage causes an interruption of the transport run (the wagon has to be repaired, the loading of the good has to be bettered, . . .</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **WagonTechData**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**LengthOverBuffers** **WagonNumberOfAxles** **AirBrakeType** **BrakingPowerVariationDevice** **AirBrakeSpecialCharacteristic** **HandBrakeType** **HandBrakeBrakedWeight** **ParkingBrakeForce** **NormalLoadingGauge** **CouplingType** **WagonWeightEmpty** **TechnicalRestrictions**
used by	elements **TrainOrCoachGroupComposition/Unit** **WagonData**
annotation	documentation This element shows the wagon relevant technical data for the wagons within a running train

source

```
<xs:element name="WagonTechData">
  <xs:annotation>
    <xs:documentation>This element shows the wagon relevant technical data for the
wagons within a running train</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="LengthOverBuffers"/>
      <xs:element ref="WagonNumberOfAxles"/>
      <xs:element ref="AirBrakeType" minOccurs="0"/>
      <xs:element ref="BrakingPowerVariationDevice" minOccurs="0"/>
      <xs:element name="AirBrakeSpecialCharacteristic" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Coding in 404-2, chapter 1.8</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:integer">
            <xs:minInclusive value="0"/>
            <xs:maxInclusive value="9"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="HandBrakeType" minOccurs="0"/>
      <xs:element name="HandBrakeBrakedWeight" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Coding in 404-2, chapter 1.7 </xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:integer">
            <xs:minInclusive value="000"/>
            <xs:maxInclusive value="999"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="ParkingBrakeForce" minOccurs="0"/>
      <xs:element ref="NormalLoadingGauge" minOccurs="0"/>
      <xs:element ref="CouplingType" minOccurs="0"/>
      <xs:element ref="WagonWeightEmpty"/>
      <xs:element name="TechnicalRestrictions" type="Numeric2-2" minOccurs="0"
maxOccurs="6"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonTechData/AirBrakeSpecialCharacteristic**

diagram	AirBrakeSpecialCharacteristic Coding in 404-2, chapter 1.8
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	minOcc 0 maxOcc 1 content simple
used by	elements **RollingStockTechnicalData** **UnitTechnicalData**
facets	Kind Value Annotation minInclusive 0 maxInclusive 9
annotation	documentation Coding in 404-2, chapter 1.8

source

```
<xs:element name="AirBrakeSpecialCharacteristic" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Coding in 404-2, chapter 1.8</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="0"/>
      <xs:maxInclusive value="9"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **WagonTechData/HandBrakeBrakedWeight**

diagram	HandBrakeBrakedWeight Coding in 404-2, chapter 1.7
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 000 maxInclusive 999
annotation	documentation Coding in 404-2, chapter 1.7

source

```
<xs:element name="HandBrakeBrakedWeight" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Coding in 404-2, chapter 1.7 </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
```

```
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="000"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **WagonTechData/TechnicalRestrictions**

diagram	TechnicalRestrictions 0..6
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Numeric2-2**
properties	minOcc 0 maxOcc 6 content simple
facets	Kind Value Annotation minInclusive 01 maxInclusive 99
source	`<xs:element name="TechnicalRestrictions" type="Numeric2-2" minOccurs="0" maxOccurs="6"/>`

element **WagonTrainPosition**

diagram	WagonTrainPosition Identifies the position of a wagon within a train. Sequential number starting with the first wagon at the front of train as N°1.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	content simple
used by	element **WagonData**
facets	Kind Value Annotation minInclusive 1 maxInclusive 999
annotation	documentation Identifies the position of a wagon within a train. Sequential number starting with the first wagon at the front of train as N°1.

source	`<xs:element name="WagonTrainPosition">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the position of a wagon within a train. Sequential number starting with the first wagon at the front of train as N°1.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`

```
    <xs:restriction base="xs:int">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **WagonWeightEmpty**

diagram	**WagonWeightEmpty** The weight of an empty wagon according to the entry in the rolling stock database
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**WeightValueKilo**
properties	content simple
used by	elements **RollingStockDataset/DesignDataSet** **RollingStockTechnicalData** **UnitTechnicalData** **WagonTechData** **Wagons/WagonDetails/WagonTypeDetails**
facets	Kind Value Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse
annotation	documentation The weight of an empty wagon according to the entry in the rolling stock database

source	`<xs:element name="WagonWeightEmpty" type="WeightValueKilo">`
	`  <xs:annotation>`
	`  <xs:documentation>The weight of an empty wagon according to the entry in the rolling stock database</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **WeeklyPattern**

diagram	**WeeklyPattern** Indicate the weekly pattern of the TCR. This is NOT a calendar of validity days. The first element references Monday, the second Tuesday, etc.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**BitmapWeek**
properties	content simple
used by	complexTypes **PeriodicalContinuousType** **TemporalExpansionType**
facets	Kind Value Annotation minLength 7

	maxLength 7 pattern [0-1]{7}
annotation	documentation Indicate the weekly pattern of the TCR. This is NOT a calendar of validity days. The first element references Monday, the second Tuesday, etc.

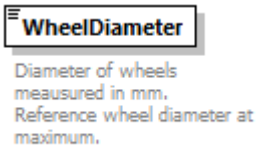
source	`<xs:element name="WeeklyPattern" type="BitmapWeek">`
	`  <xs:annotation>`
	`  <xs:documentation>Indicate the weekly pattern of the TCR. This is NOT a calendar of validity days. The first element references Monday, the second Tuesday, etc.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **WeightOfSetOfCarriages**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**WeightValueTonne**
properties	content simple
used by	element **PlannedTrainTechnicalData**
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation The calculated maximum weight of all carriages without the traction

source	`<xs:element name="WeightOfSetOfCarriages" type="WeightValueTonne">`
	`  <xs:annotation>`
	`  <xs:documentation>The calculated maximum weight of all carriages without the traction</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

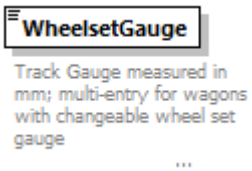
element **WheelDiameter**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple

used by	element **RollingStockDataset/DesignDataSet**
facets	Kind / Value / Annotation minInclusive 1 maxInclusive 9999
annotation	documentation Diameter of wheels meausured in mm. Reference wheel diameter at maximum.

source	`<xs:element name="WheelDiameter">`
	`  <xs:annotation>`
	`  <xs:documentation>Diameter of wheels meausured in mm.`
	`Reference wheel diameter at maximum.`
	`  </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="9999"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **WheelsetGauge**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind / Value / Annotation minInclusive 1 maxInclusive 9999
annotation	documentation Track Gauge measured in mm; multi-entry for wagons with changeable wheel set gauge

source	`<xs:element name="WheelsetGauge">`
	`  <xs:annotation>`
	`  <xs:documentation>Track Gauge measured in mm; multi-entry for wagons with`
	`changeable wheel set gauge`
	`  </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="1"/>`

```
      <xs:maxInclusive value="9999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

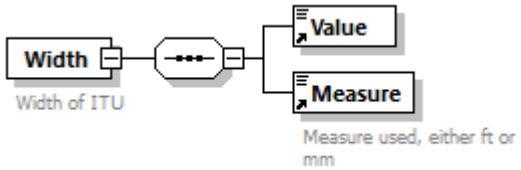
element **WheelSetTransformationMethod**

diagram	**WheelSetTransformationMethod** Description of the wheel set transformation method for wagons with a changeable wheel set gauge.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind / Value / Annotation enumeration 1 documentation Automatic enumeration 2 documentation Bogie/axle change
annotation	documentation Description of the wheel set transformation method for wagons with a changeable wheel set gauge.

source

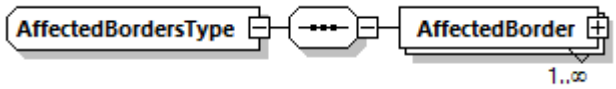
```
<xs:element name="WheelSetTransformationMethod">
  <xs:annotation>
    <xs:documentation>Description of the wheel set transformation method for wagons
with a changeable wheel set gauge.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>Automatic</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>Bogie/axle change</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Width**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	content complex
children	**Value** **Measure**
used by	element **Dimensions** complexType **DimensionValue**
annotation	documentation Width of ITU

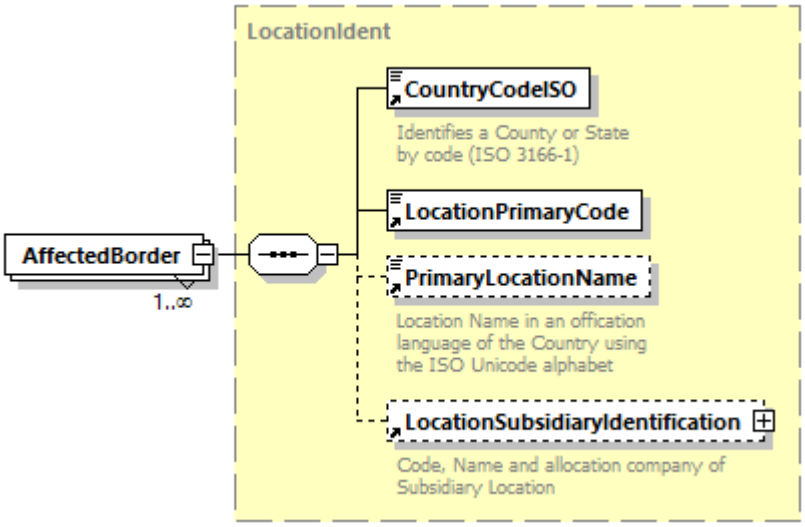
source	`<xs:element name="Width">`
	`  <xs:annotation>`
	`  <xs:documentation>Width of ITU</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Value"/>`
	`  <xs:element ref="Measure"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

complexType **AffectedBordersType**

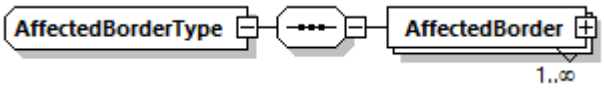
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**AffectedBorder**
used by	element **TCRType/AffectedBorders**

source	`<xs:complexType name="AffectedBordersType">`
	`  <xs:sequence>`
	`  <xs:element name="AffectedBorder" type="LocationIdent"`
	`maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

element **AffectedBordersType/AffectedBorder**

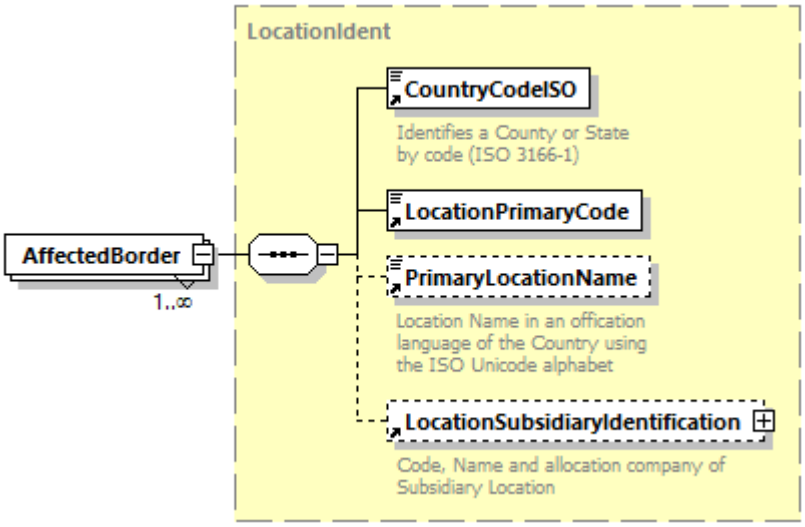
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	minOcc 1 maxOcc unbounded content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
source	`<xs:element name="AffectedBorder" type="LocationIdent" maxOccurs="unbounded"/>`

complexType **AffectedBorderType**

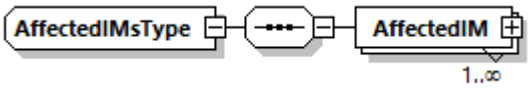
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**AffectedBorder**
used by	elements **CapacityProductSearchCriteria/AffectedBorderSearch** **TCRSearchCriteria/AffectedBorderSearch**

source	`<xs:complexType name="AffectedBorderType">`
	`  <xs:sequence>`
	`  <xs:element name="AffectedBorder" type="LocationIdent"`
	`maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

element **AffectedBorderType/AffectedBorder**

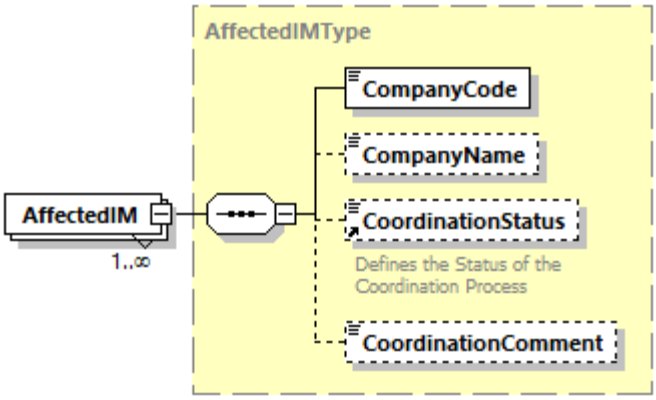
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	minOcc 1 maxOcc unbounded content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
source	`<xs:element name="AffectedBorder" type="LocationIdent" maxOccurs="unbounded"/>`

complexType **AffectedIMsType**

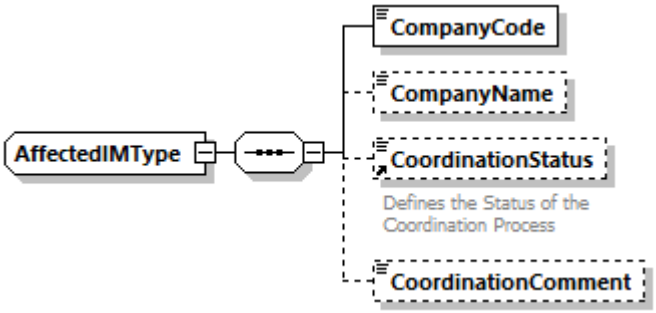
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**AffectedIM**
used by	element **TCRType/AffectedIMs**

source	`<xs:complexType name="AffectedIMsType">`
	`  <xs:sequence>`
	`  <xs:element name="AffectedIM" type="AffectedIMType" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

element **AffectedIMsType/AffectedIM**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**AffectedIMType**
properties	minOcc 1 maxOcc unbounded content complex
children	**CompanyCode** **CompanyName** **CoordinationStatus** **CoordinationComment**
source	`<xs:element name="AffectedIM" type="AffectedIMType" maxOccurs="unbounded"/>`

complexType **AffectedIMType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**CompanyCode** **CompanyName** **CoordinationStatus** **CoordinationComment**
used by	element **AffectedIMsType/AffectedIM**

source	`<xs:complexType name="AffectedIMType">`
	`  <xs:sequence>`
	`  <xs:element name="CompanyCode" type="CompanyCode"/>`
	`  <xs:element name="CompanyName" type="FreeText" minOccurs="0"/>`
	`  <xs:element ref="CoordinationStatus" minOccurs="0"/>`
	`  <xs:element name="CoordinationComment" type="xs:string" minOccurs="0"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

element **AffectedIMType/CompanyCode**

diagram	CompanyCode
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CompanyCode**
properties	content simple
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
source	`<xs:element name="CompanyCode" type="CompanyCode"/>`

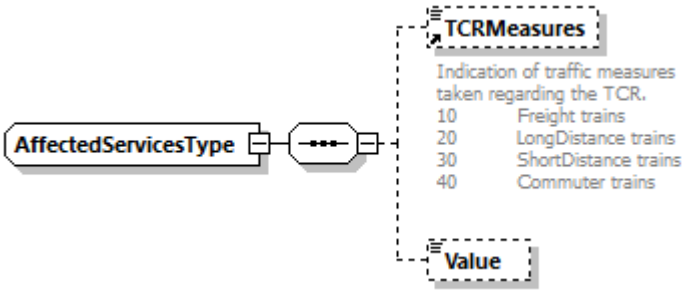
element **AffectedIMType/CompanyName**

diagram	CompanyName
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 255
source	`<xs:element name="CompanyName" type="FreeText" minOccurs="0"/>`

element **AffectedIMType/CoordinationComment**

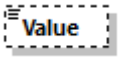
diagram	CoordinationComment
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="CoordinationComment" type="xs:string" minOccurs="0"/>`

complexType **AffectedServicesType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**TCRMeasures** **Value**
used by	elements **TrafficMeasuresType/Cancellation** **TrafficMeasuresType/Replacement** **TrafficMeasuresType/ReRouting**

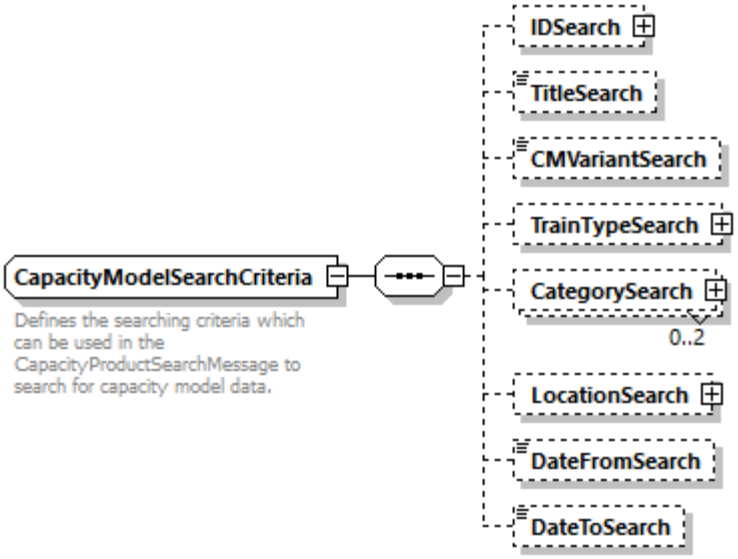
source	`<xs:complexType name="AffectedServicesType">`
	`  <xs:sequence>`
	`  <xs:element ref="TCRMeasures" minOccurs="0"/>`
	`  <xs:element name="Value" type="xs:boolean" minOccurs="0"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

element **AffectedServicesType/Value**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
used by	elements **Height** **Length** **Width**
source	`<xs:element name="Value" type="xs:boolean" minOccurs="0"/>`

complexType **CapacityModelSearchCriteria**

diagram



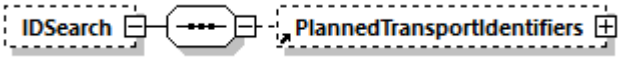
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**IDSearch** **TitleSearch** **CMVariantSearch** **TrainTypeSearch** **CategorySearch** **LocationSearch** **DateFromSearch** **DateToSearch**
used by	element **SearchCriteriaType/CapacityModelCriteria**
annotation	documentation Defines the searching criteria which can be used in the CapacityProductSearchMessage to search for capacity model data.

source

```
<xs:complexType name="CapacityModelSearchCriteria">
  <xs:annotation>
    <xs:documentation>Defines the searching criteria which can be used in the
CapacityProductSearchMessage to search for capacity model data.</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="IDSearch" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element ref="PlannedTransportIdentifiers" minOccurs="0"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="TitleSearch" type="FreeText" minOccurs="0"/>
    <xs:element name="CMVariantSearch" type="FreeText" minOccurs="0"/>
    <xs:element name="TrainTypeSearch" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element ref="TrainType" minOccurs="0"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="CategorySearch" minOccurs="0" maxOccurs="2">
      <xs:complexType>
        <xs:sequence>
          <xs:element ref="Category" minOccurs="0"/>
        </xs:sequence>
```

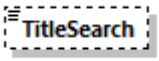
```
      </xs:complexType>
    </xs:element>
    <xs:element name="LocationSearch" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element ref="Location" minOccurs="0"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="DateFromSearch" type="xs:dateTime" minOccurs="0"/>
    <xs:element name="DateToSearch" type="xs:dateTime" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

element **CapacityModelSearchCriteria/IDSearch**

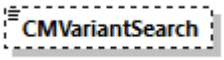
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**PlannedTransportIdentifiers**

source	`<xs:element name="IDSearch" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="PlannedTransportIdentifiers" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

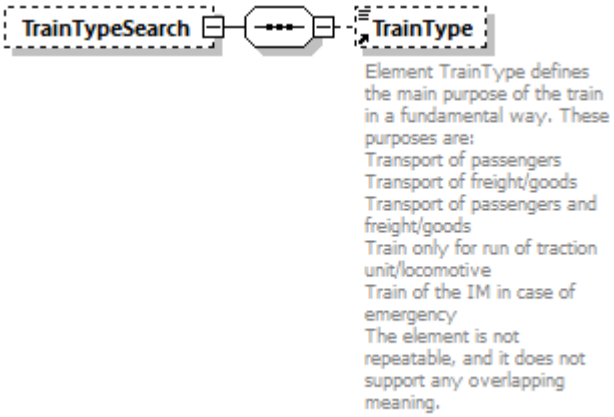
element **CapacityModelSearchCriteria/TitleSearch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 255
source	`<xs:element name="TitleSearch" type="FreeText" minOccurs="0"/>`

element **CapacityModelSearchCriteria/CMVariantSearch**

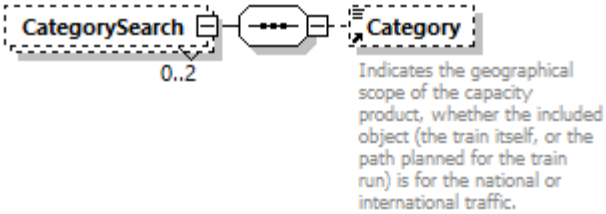
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 255
source	`<xs:element name="CMVariantSearch" type="FreeText" minOccurs="0"/>`

element **CapacityModelSearchCriteria/TrainTypeSearch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**TrainType**

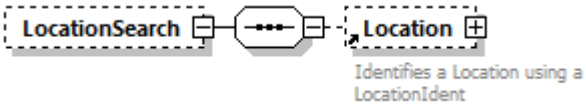
source	`<xs:element name="TrainTypeSearch" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="TrainType" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **CapacityModelSearchCriteria/CategorySearch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 2 content complex
children	**Category**

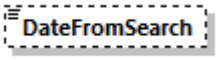
source	`<xs:element name="CategorySearch" minOccurs="0" maxOccurs="2">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Category" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **CapacityModelSearchCriteria/LocationSearch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**Location**

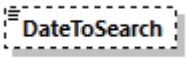
source	`<xs:element name="LocationSearch" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Location" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **CapacityModelSearchCriteria/DateFromSearch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**

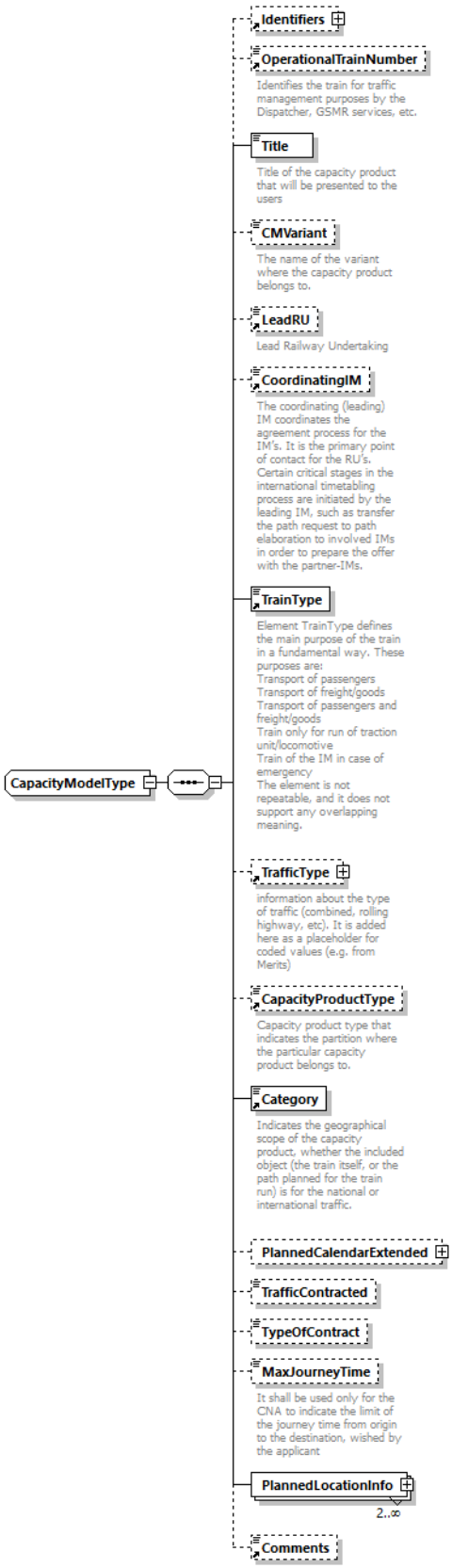
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="DateFromSearch" type="xs:dateTime" minOccurs="0"/>`

element **CapacityModelSearchCriteria/DateToSearch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="DateToSearch" type="xs:dateTime" minOccurs="0"/>`

complexType **CapacityModelType**

diagram



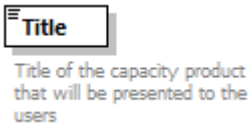
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**Identifiers** **OperationalTrainNumber** **Title** **CMVariant** **LeadRU** **CoordinatingIM** **TrainType** **TrafficType** **CapacityProductType** **Category** **PlannedCalendarExtended** **TrafficContracted** **TypeOfContract** **MaxJourneyTime** **PlannedLocationInfo** **Comments**
used by	elements **CapacityModelMessage/CapacityModelData** **CapacityProductMessage/CapacityModels**

source

```
<xs:complexType name="CapacityModelType">
  <xs:sequence>
    <xs:element ref="Identifiers" minOccurs="0"/>
    <xs:element ref="OperationalTrainNumber" minOccurs="0"/>
    <xs:element name="Title" type="FreeText">
      <xs:annotation>
        <xs:documentation>Title of the capacity product that will be presented to
the users</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="CMVariant" type="FreeText" minOccurs="0">
      <xs:annotation>
        <xs:documentation>The name of the variant where the capacity product belongs
to.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element ref="LeadRU" minOccurs="0"/>
    <xs:element ref="CoordinatingIM" minOccurs="0"/>
    <xs:element ref="TrainType"/>
    <xs:element ref="TrafficType" minOccurs="0"/>
    <xs:element ref="CapacityProductType" minOccurs="0"/>
    <xs:element ref="Category"/>
    <xs:element name="PlannedCalendarExtended" type="PlannedCalendarExtendedType"
minOccurs="0"/>
    <xs:element name="TrafficContracted" type="xs:boolean" minOccurs="0"/>
    <xs:element name="TypeOfContract" type="FreeText" minOccurs="0"/>
    <xs:element name="MaxJourneyTime" type="xs:dateTime" minOccurs="0">
      <xs:annotation>
        <xs:documentation>It shall be used only for the CNA to indicate the limit
of the journey time from origin to the destination, wished by the
applicant</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="PlannedLocationInfo" type="PlannedLocationInfoType"
minOccurs="2" maxOccurs="unbounded"/>
    <xs:element ref="Comments" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

element **CapacityModelType/Title**

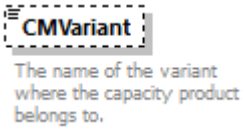
diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Title of the capacity product that will be presented to the users

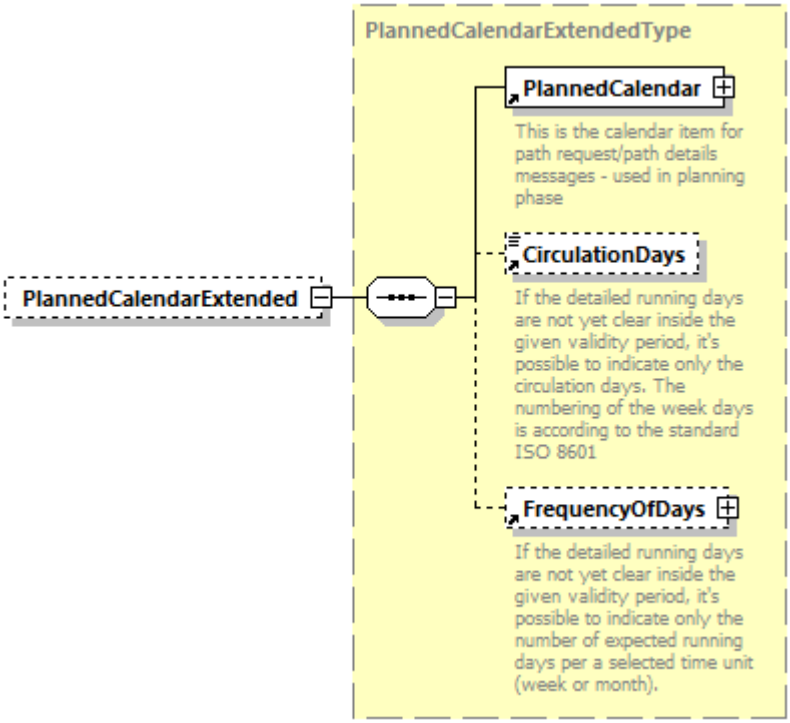
source	`<xs:element name="Title" type="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>Title of the capacity product that will be presented to the users</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **CapacityModelType/CMVariant**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation The name of the variant where the capacity product belongs to.

source	`<xs:element name="CMVariant" type="FreeText" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>The name of the variant where the capacity product belongs to.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **CapacityModelType/PlannedCalendarExtended**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**PlannedCalendarExtendedType**
properties	minOcc 0 maxOcc 1 content complex
children	**PlannedCalendar** **CirculationDays** **FrequencyOfDays**
source	`<xs:element name="PlannedCalendarExtended" type="PlannedCalendarExtendedType" minOccurs="0"/>`

element **CapacityModelType/TrafficContracted**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="TrafficContracted" type="xs:boolean" minOccurs="0"/>`

element **CapacityModelType/TypeOfContract**

diagram	TypeOfContract
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 255
source	`<xs:element name="TypeOfContract" type="FreeText" minOccurs="0"/>`

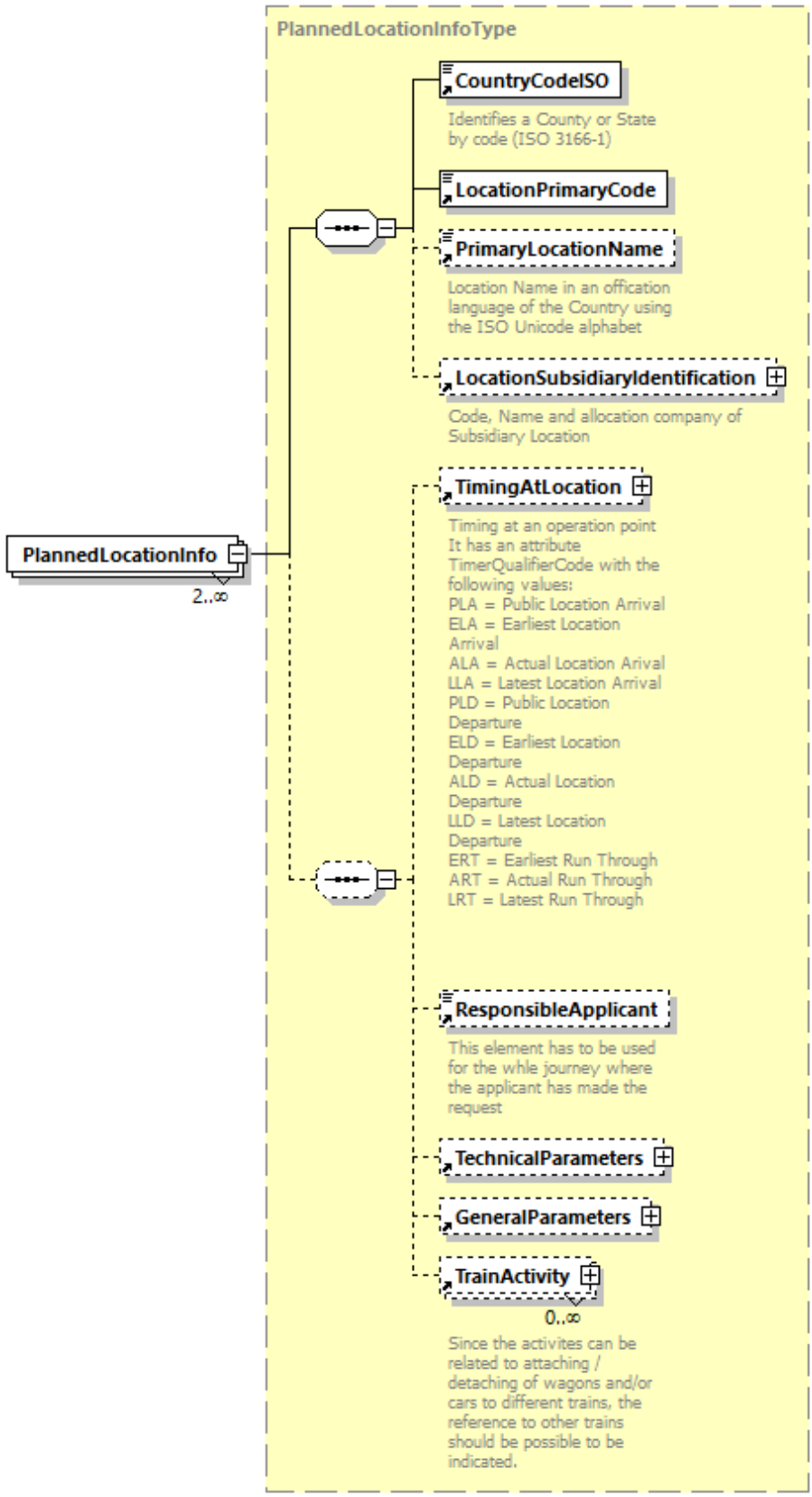
element **CapacityModelType/MaxJourneyTime**

diagram	MaxJourneyTime It shall be used only for the CNA to indicate the limit of the journey time from origin to the destination, wished by the applicant
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation It shall be used only for the CNA to indicate the limit of the journey time from origin to the destination, wished by the applicant

source	`<xs:element name="MaxJourneyTime" type="xs:dateTime" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>It shall be used only for the CNA to indicate the limit of the journey time from origin to the destination, wished by the applicant</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **CapacityModelType/PlannedLocationInfo**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**PlannedLocationInfoType**
properties	minOcc 2 maxOcc unbounded content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification** **TimingAtLocation** **ResponsibleApplicant** **TechnicalParameters** **GeneralParameters** **TrainActivity**
source	`<xs:element name="PlannedLocationInfo" type="PlannedLocationInfoType" minOccurs="2" maxOccurs="unbounded"/>`

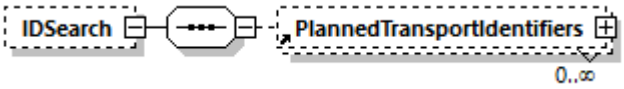
complexType **CapacityProductSearchCriteria**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**IDSearch** **SectionSearch** **AffectedBorderSearch** **PlannedTrainData** **AffectedIMSearch** **DateFromSearch** **DateToSearch** **ObjectTypeSearch**
used by	element **SearchCriteriaType/PositiveCapacityProductCriteria**
annotation	documentation Defines the Search Criteria of the "positive" capacity products that can be used in the CapacityProductSearchMessage.

source	`<xs:complexType name="CapacityProductSearchCriteria">`
	`  <xs:annotation>`
	`  <xs:documentation>Defines the Search Criteria of the "positive" capacity products that can be used in the CapacityProductSearchMessage.`
	`  </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence>`
	`  <xs:element name="IDSearch" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:sequence>`

```
          <xs:element ref="PlannedTransportIdentifiers" minOccurs="0"
maxOccurs="unbounded"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="SectionSearch" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="Sections" type="SectionsType" maxOccurs="unbounded"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="AffectedBorderSearch" type="AffectedBorderType"
minOccurs="0"/>
    <xs:element ref="PlannedTrainData" minOccurs="0"/>
    <xs:element name="AffectedIMSearch" minOccurs="0" maxOccurs="unbounded">
      <xs:complexType>
        <xs:sequence>
          <xs:element ref="Company"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="DateFromSearch" type="xs:dateTime" minOccurs="0"/>
    <xs:element name="DateToSearch" type="xs:dateTime" minOccurs="0"/>
    <xs:element name="ObjectTypeSearch" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element ref="ObjectType" minOccurs="0"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

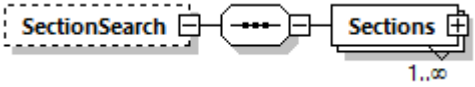
element **CapacityProductSearchCriteria/IDSearch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**PlannedTransportIdentifiers**

source	`<xs:element name="IDSearch" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="PlannedTransportIdentifiers" minOccurs="0"`
	`maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`

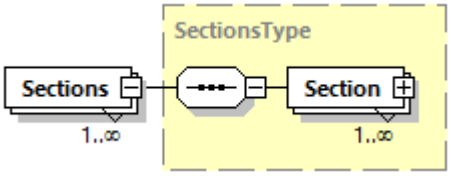
	`</xs:element>`

element **CapacityProductSearchCriteria/SectionSearch**

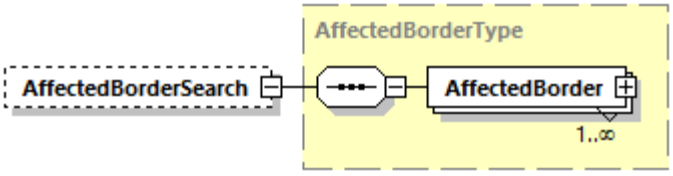
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**Sections**

source	`<xs:element name="SectionSearch" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="Sections" type="SectionsType" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **CapacityProductSearchCriteria/SectionSearch/Sections**

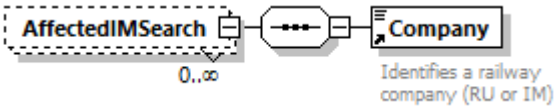
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**SectionsType**
properties	minOcc 1 maxOcc unbounded content complex
children	**Section**
source	`<xs:element name="Sections" type="SectionsType" maxOccurs="unbounded"/>`

element **CapacityProductSearchCriteria/AffectedBorderSearch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	**AffectedBorderType**
properties	minOcc 0 maxOcc 1 content complex
children	**AffectedBorder**
source	`<xs:element name="AffectedBorderSearch" type="AffectedBorderType" minOccurs="0"/>`

element **CapacityProductSearchCriteria/AffectedIMSearch**

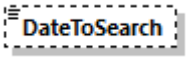
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc unbounded content complex
children	**Company**

source	`<xs:element name="AffectedIMSearch" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Company"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **CapacityProductSearchCriteria/DateFromSearch**

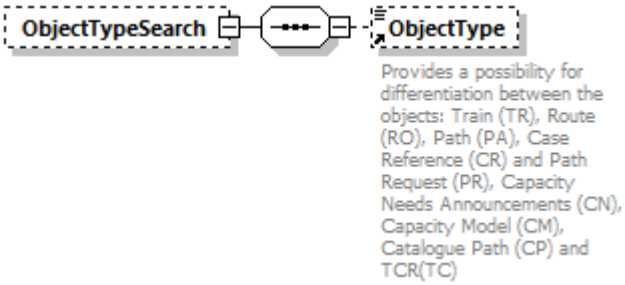
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="DateFromSearch" type="xs:dateTime" minOccurs="0"/>`

element **CapacityProductSearchCriteria/DateToSearch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	minOcc 0 maxOcc 1

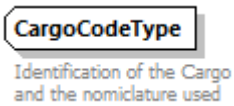
	content simple
source	`<xs:element name="DateToSearch" type="xs:dateTime" minOccurs="0"/>`

element **CapacityProductSearchCriteria/ObjectTypeSearch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**ObjectType**

source	`<xs:element name="ObjectTypeSearch" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="ObjectType" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

complexType **CargoCodeType**

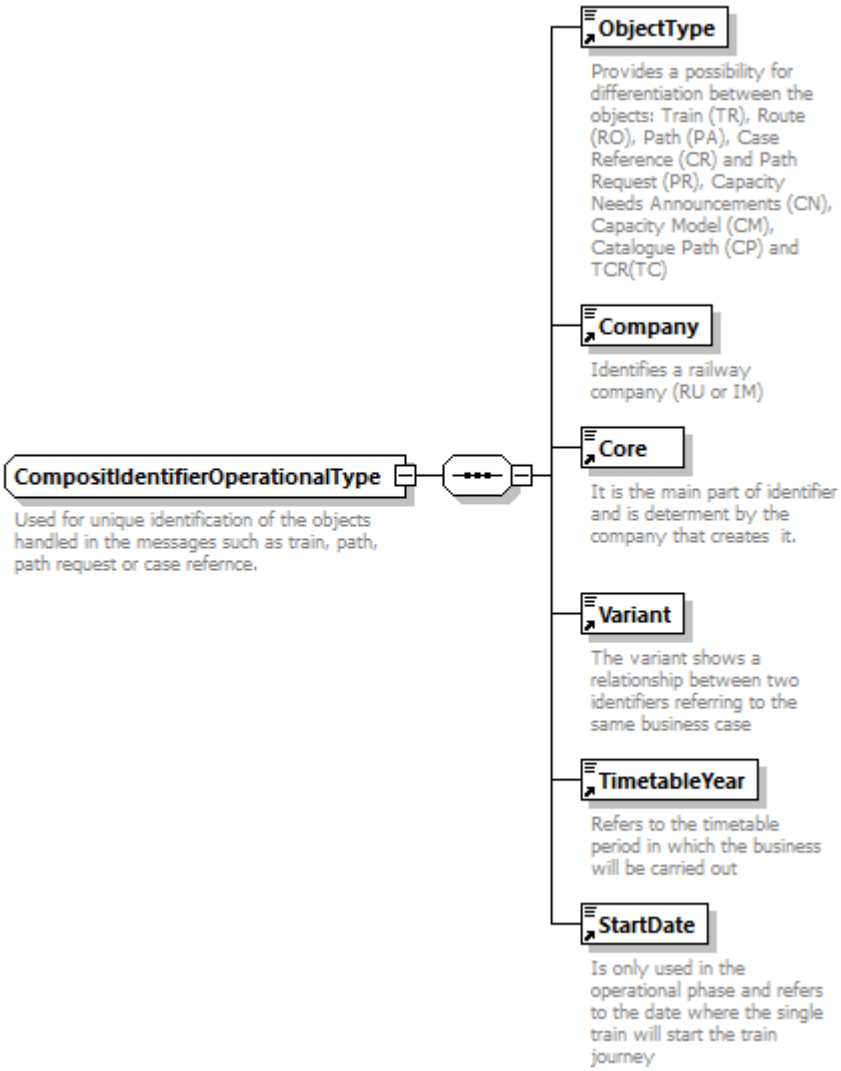
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **FreeText**
properties	base FreeText
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Identification of the Cargo and the nomiclature used

source	`<xs:complexType name="CargoCodeType">`
	`  <xs:annotation>`
	`  <xs:documentation>Identification of the Cargo and the nomiclature used</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleContent>`

```
    <xs:extension base="FreeText"/>
  </xs:simpleContent>
</xs:complexType>
```

complexType **CompositIdentifierOperationalType**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**ObjectType** **Company** **Core** **Variant** **TimetableYear** **StartDate**
used by	elements **RelatedTransportOperationalIdentifiers** **TrainID** **TransportOperationalIdentifiers**
annotation	documentation Used for unique identification of the objects handled in the messages such as train, path, path request or case refernce.

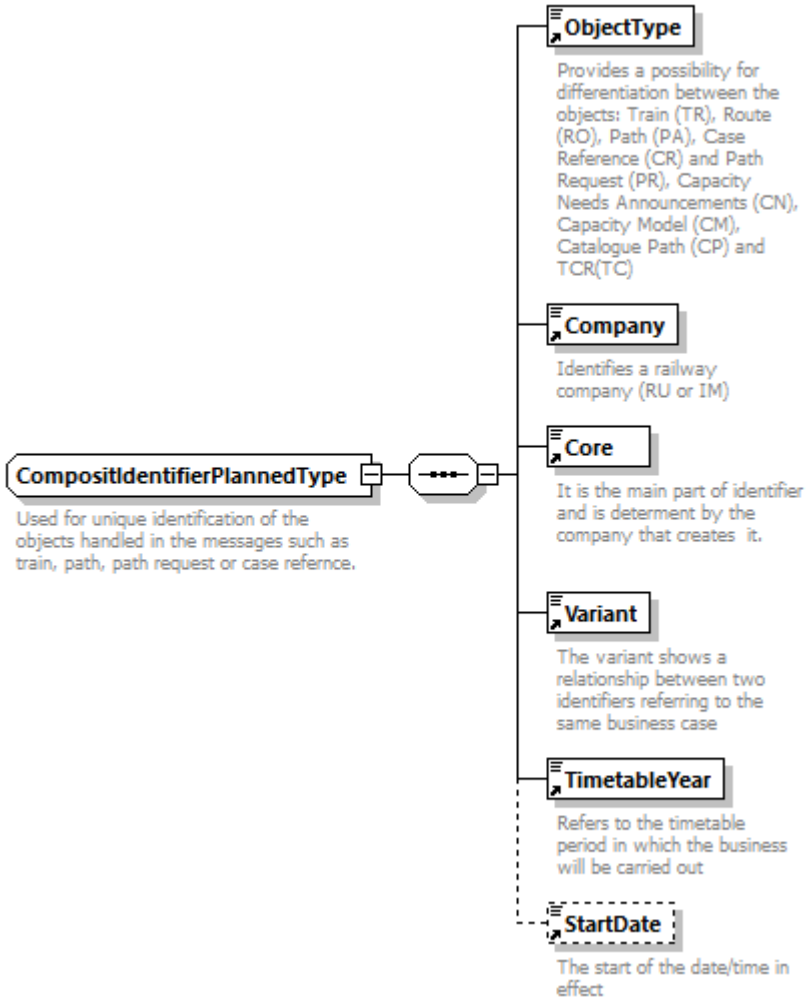
source

```
<xs:complexType name="CompositIdentifierOperationalType">
  <xs:annotation>
    <xs:documentation>Used for unique identification of the objects handled in the
messages such as train, path, path request or case refernce.</xs:documentation>
  </xs:annotation>
  <xs:sequence>
```

```
    <xs:element ref="ObjectType"/>
    <xs:element ref="Company"/>
    <xs:element ref="Core"/>
    <xs:element ref="Variant"/>
    <xs:element ref="TimetableYear"/>
    <xs:element ref="StartDate">
      <xs:annotation>
        <xs:documentation>Is only used in the operational phase and refers to the
date where the single train will start the train journey</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

complexType **CompositIdentifierPlannedType**

diagram



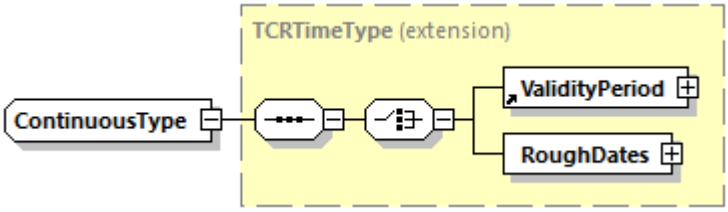
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**ObjectType** **Company** **Core** **Variant** **TimetableYear** **StartDate**
used by	elements **AssociatedAttachedTrainID** **ObjectInfoMessage/Identifier** **PlannedTransportIdentifiers** **ObjectInfoMessage/ReferenceTRID** **RelatedPlannedTransportIdentifiers** **TCRID**

annotation	documentation Used for unique identification of the objects handled in the messages such as train, path, path request or case refernce.
source	<xs:complexType name="CompositIdentifierPlannedType"> <xs:annotation> <xs:documentation>Used for unique identification of the objects handled in the messages such as train, path, path request or case refernce.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element ref="ObjectType"/> <xs:element ref="Company"/> <xs:element ref="Core"/> <xs:element ref="Variant"/> <xs:element ref="TimetableYear"/> <xs:element ref="StartDate" minOccurs="0"/> </xs:sequence> </xs:complexType>

complexType **ConsignmentIdent**

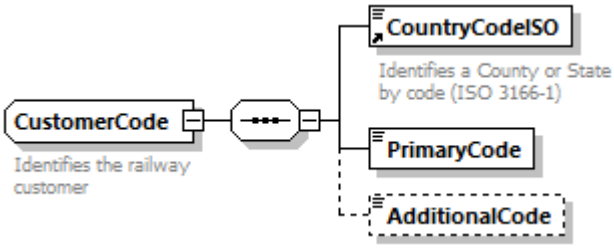
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **xs:string**
properties	base xs:string
used by	elements **ConsignmentNumber** **WagonStatusMessages/WagonStatusMessage/ConsignmentIdentification/ControlLabel/ConsignmentNumber** **PreviousConsignmentNumber**
annotation	documentation Identifies a waybill by its number and type
source	<xs:complexType name="ConsignmentIdent">\ <xs:annotation> <xs:documentation>Identifies a waybill by its number and type</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="xs:string"/> </xs:simpleContent> </xs:complexType>

complexType **ContinuousType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **TCRTimeType**
properties	base TCRTimeType
children	**ValidityPeriod** **RoughDates**

source	`<xs:complexType name="ContinuousType">`
	`  <xs:complexContent>`
	`  <xs:extension base="TCRTimeType"/>`
	`  </xs:complexContent>`
	`</xs:complexType>`

complexType **CustomerCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**CountryCodeISO** **PrimaryCode** **AdditionalCode**
used by	element **Customer**
annotation	documentation Identifies the railway customer

source	`<xs:complexType name="CustomerCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the railway customer</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence>`
	`  <xs:element ref="CountryCodeISO"/>`
	`  <xs:element name="PrimaryCode" type="String1-14"/>`
	`  <xs:element name="AdditionalCode" type="String1-7" minOccurs="0"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

element **CustomerCode/PrimaryCode**

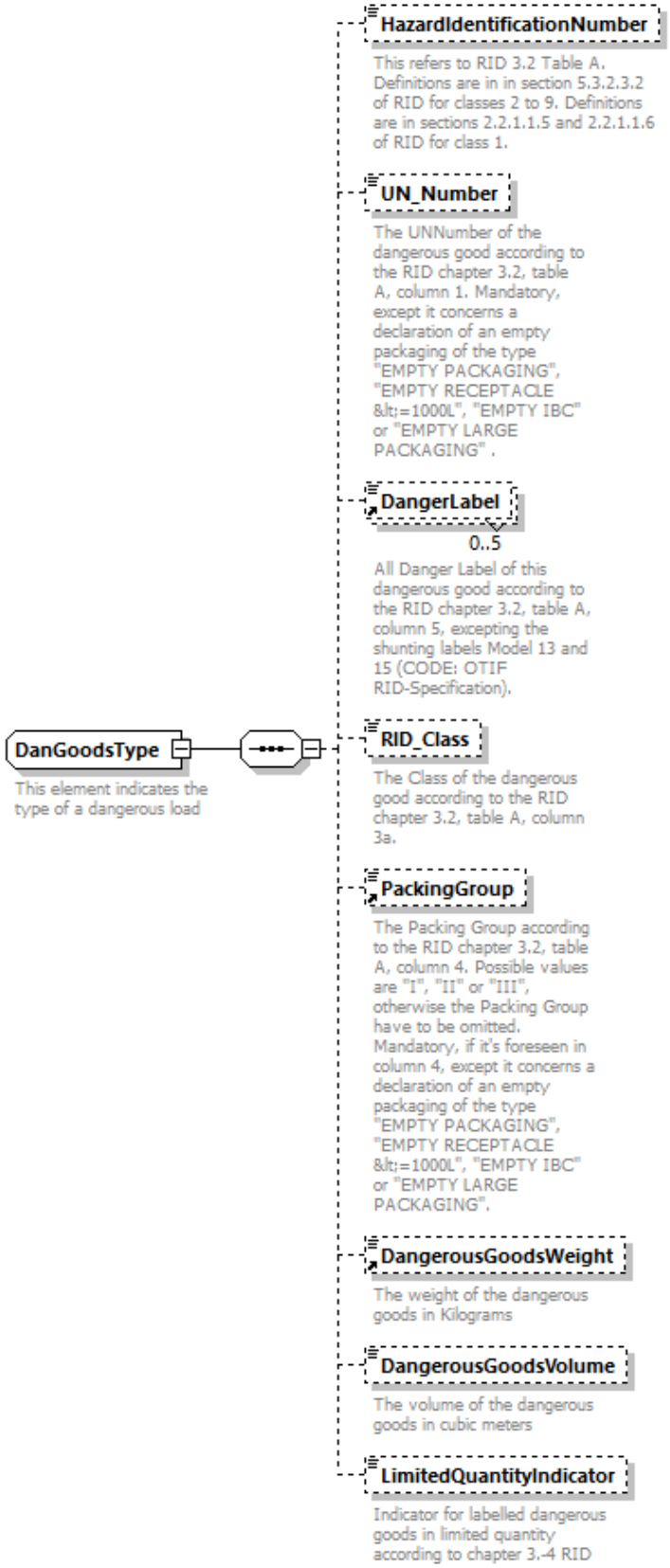
diagram	PrimaryCode
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**String1-14**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 14
source	`<xs:element name="PrimaryCode" type="String1-14"/>`

element **CustomerCode/AdditionalCode**

diagram	AdditionalCode
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**String1-7**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 7
source	`<xs:element name="AdditionalCode" type="String1-7" minOccurs="0"/>`

complexType **DanGoodsType**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**HazardIdentificationNumber** **UN_Number** **DangerLabel** **RID_Class** **PackingGroup** **DangerousGoodsWeight** **DangerousGoodsVolume** **LimitedQuantityIndicator**
used by	element **DangerousGoodsIndication**
annotation	documentation This element indicates the type of a dangerous load

source

```
<xs:complexType name="DanGoodsType">
  <xs:annotation>
    <xs:documentation>This element indicates the type of a dangerous
load</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="HazardIdentificationNumber" minOccurs="0">
      <xs:annotation>
        <xs:documentation>This refers to RID 3.2 Table A. Definitions are in in
section 5.3.2.3.2 of RID for classes 2 to 9. Definitions are in sections 2.2.1.1.5
and 2.2.1.1.6 of RID for class 1.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:minLength value="2"/>
          <xs:maxLength value="4"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="UN_Number" minOccurs="0">
      <xs:annotation>
        <xs:documentation>The UNNumber of the dangerous good according to the RID
chapter 3.2, table A, column 1. Mandatory, except it concerns a declaration of an
empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE &lt;=1000L", "EMPTY
IBC" or "EMPTY LARGE PACKAGING" .</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:length value="4"/>
          <xs:pattern value="\d*[1-9]\d*"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element ref="DangerLabel" minOccurs="0" maxOccurs="5"/>
    <xs:element name="RID_Class" minOccurs="0">
      <xs:annotation>
        <xs:documentation>The Class of the dangerous good according to the RID
chapter 3.2, table A, column 3a.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:minLength value="1"/>
          <xs:maxLength value="4"/>
          <xs:enumeration value="1">
            <xs:annotation>
              <xs:documentation>1      Explosive materials, divisions 1.1, 1.2 and
1.3</xs:documentation>
```

```
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="1.4">
            <xs:annotation>
              <xs:documentation>1.4 Explosive materials, division
1.4</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="1.5">
            <xs:annotation>
              <xs:documentation>1.5 Explosive materials, division
1.5</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="1.6">
            <xs:annotation>
              <xs:documentation>1.6 Explosive materials, division
1.6</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="2.1">
            <xs:annotation>
              <xs:documentation>2.1 Flammable gases</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="2.2">
            <xs:annotation>
              <xs:documentation>2.2 Non-flammable, non-toxic
gases</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="2.3">
            <xs:annotation>
              <xs:documentation>2.3 Toxic gases</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="3">
            <xs:annotation>
              <xs:documentation>3      Flammable liquids</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="4.1">
            <xs:annotation>
              <xs:documentation>4.1 Flammable  solids , self-reactive substances
and solid desensitized explosives</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="4.2">
            <xs:annotation>
              <xs:documentation>4.2 Substances liable to spontaneous
combustion</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="4.3">
            <xs:annotation>
```

```
              <xs:documentation>4.3 Substances which, in contact with water, emit
flammable gases</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="5.1">
            <xs:annotation>
              <xs:documentation>5.1 Oxidizing substances</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="5.2">
            <xs:annotation>
              <xs:documentation>5.2 Organic peroxides</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="6.1">
            <xs:annotation>
              <xs:documentation>6.1 Toxic substances</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="6.2">
            <xs:annotation>
              <xs:documentation>6.2 Infectious substances</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="7">
            <xs:annotation>
              <xs:documentation>7      Radioactive material</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="8">
            <xs:annotation>
              <xs:documentation>8 Corrosive substances</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="9">
            <xs:annotation>
              <xs:documentation>9 Miscellaneous dangerous substances and
articles</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="9A">
            <xs:annotation>
              <xs:documentation>9A Same as 9 but for Battery
Group</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element ref="PackingGroup" minOccurs="0"/>
    <xs:element ref="DangerousGoodsWeight" minOccurs="0">
      <xs:annotation>
        <xs:documentation>The weight of the dangerous goods in
Kilograms</xs:documentation>
      </xs:annotation>
```

```
    </xs:element>
    <xs:element name="DangerousGoodsVolume" type="VolumeValue" minOccurs="0">
      <xs:annotation>
        <xs:documentation>The volume of the dangerous goods in cubic
meters</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="LimitedQuantityIndicator" type="xs:boolean" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Indicator for labelled dangerous goods in limited
quantity according to chapter 3.-4 RID</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element **DanGoodsType/HazardIdentificationNumber**

diagram

HazardIdentificationNumber

This refers to RID 3.2 Table A. Definitions are in in section 5.3.2.3.2 of RID for classes 2 to 9. Definitions are in sections 2.2.1.1.5 and 2.2.1.1.6 of RID for class 1.

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 2 maxLength 4
annotation	documentation This refers to RID 3.2 Table A. Definitions are in in section 5.3.2.3.2 of RID for classes 2 to 9. Definitions are in sections 2.2.1.1.5 and 2.2.1.1.6 of RID for class 1.

source

```
<xs:element name="HazardIdentificationNumber" minOccurs="0">
  <xs:annotation>
    <xs:documentation>This refers to RID 3.2 Table A. Definitions are in in section
5.3.2.3.2 of RID for classes 2 to 9. Definitions are in sections 2.2.1.1.5 and
2.2.1.1.6 of RID for class 1.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="2"/>
      <xs:maxLength value="4"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **DanGoodsType/UN_Number**

diagram	**UN_Number** The UNNumber of the dangerous good according to the RID chapter 3.2, table A, column 1. Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE <=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING" .
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
used by	element **SummaryOFGoodsWithSameRID**
facets	Kind Value Annotation length 4 pattern \d*[1-9]\d*
annotation	documentation The UNNumber of the dangerous good according to the RID chapter 3.2, table A, column 1. Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE <=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING" .

source

```
<xs:element name="UN_Number" minOccurs="0">
  <xs:annotation>
    <xs:documentation>The UNNumber of the dangerous good according to the RID chapter 3.2, table A, column 1. Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE &lt;=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING" .</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:length value="4"/>
      <xs:pattern value="\d*[1-9]\d*"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **DanGoodsType/RID_Class**

diagram	**RID_Class** The Class of the dangerous good according to the RID chapter 3.2, table A, column 3a.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**

properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 4 enumeration 1 documentation 1 Explosive materials, divisions 1.1, 1.2 and 1.3 enumeration 1.4 documentation 1.4 Explosive materials, division 1.4 enumeration 1.5 documentation 1.5 Explosive materials, division 1.5 enumeration 1.6 documentation 1.6 Explosive materials, division 1.6 enumeration 2.1 documentation 2.1 Flammable gases enumeration 2.2 documentation 2.2 Non-flammable, non-toxic gases enumeration 2.3 documentation 2.3 Toxic gases enumeration 3 documentation 3 Flammable liquids enumeration 4.1 documentation 4.1 Flammable solids , self-reactive substances and solid desensitized explosives enumeration 4.2 documentation 4.2 Substances liable to spontaneous combustion enumeration 4.3 documentation 4.3 Substances which, in contact with water, emit flammable gases enumeration 5.1 documentation 5.1 Oxidizing substances enumeration 5.2 documentation 5.2 Organic peroxides enumeration 6.1 documentation 6.1 Toxic substances enumeration 6.2 documentation 6.2 Infectious substances enumeration 7 documentation 7 Radioactive material enumeration 8 documentation 8 Corrosive substances enumeration 9 documentation 9 Miscellaneous dangerous substances and articles enumeration 9A documentation 9A Same as 9 but for Battery Group
annotation	documentation The Class of the dangerous good according to the RID chapter 3.2, table A, column 3a.
source	<xs:element name="RID_Class" minOccurs="0"> <xs:annotation> <xs:documentation>The Class of the dangerous good according to the RID chapter 3.2, table A, column 3a.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="4"/> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>1 Explosive materials, divisions 1.1, 1.2 and

```
1.3</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1.4">
        <xs:annotation>
          <xs:documentation>1.4 Explosive materials, division
1.4</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1.5">
        <xs:annotation>
          <xs:documentation>1.5 Explosive materials, division
1.5</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1.6">
        <xs:annotation>
          <xs:documentation>1.6 Explosive materials, division
1.6</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2.1">
        <xs:annotation>
          <xs:documentation>2.1 Flammable gases</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2.2">
        <xs:annotation>
          <xs:documentation>2.2 Non-flammable, non-toxic gases</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2.3">
        <xs:annotation>
          <xs:documentation>2.3 Toxic gases</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="3">
        <xs:annotation>
          <xs:documentation>3    Flammable liquids</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="4.1">
        <xs:annotation>
          <xs:documentation>4.1 Flammable  solids , self-reactive substances and
solid desensitized explosives</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="4.2">
        <xs:annotation>
          <xs:documentation>4.2 Substances liable to spontaneous
combustion</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="4.3">
        <xs:annotation>
```

```
          <xs:documentation>4.3 Substances which, in contact with water, emit
flammable gases</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="5.1">
        <xs:annotation>
          <xs:documentation>5.1 Oxidizing substances</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="5.2">
        <xs:annotation>
          <xs:documentation>5.2 Organic peroxides</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="6.1">
        <xs:annotation>
          <xs:documentation>6.1 Toxic substances</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="6.2">
        <xs:annotation>
          <xs:documentation>6.2 Infectious substances</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="7">
        <xs:annotation>
          <xs:documentation>7    Radioactive material</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="8">
        <xs:annotation>
          <xs:documentation>8 Corrosive substances</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="9">
        <xs:annotation>
          <xs:documentation>9 Miscellaneous dangerous substances and
articles</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="9A">
        <xs:annotation>
          <xs:documentation>9A Same as 9 but for Battery Group</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **DanGoodsType/DangerousGoodsVolume**

diagram	**DangerousGoodsVolume** The volume of the dangerous goods in cubic meters
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**VolumeValue**
properties	minOcc 0 maxOcc 1 content simple
used by	element **SummaryOFGoodsWithSameRID**
annotation	documentation The volume of the dangerous goods in cubic meters

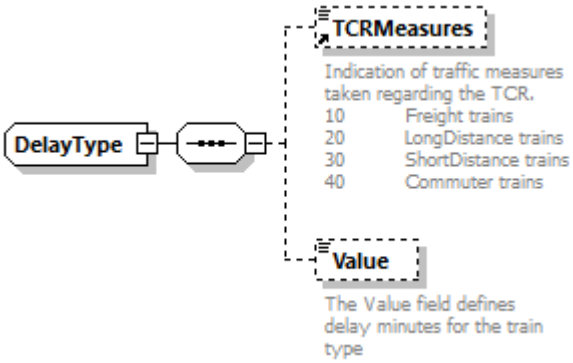
source	`<xs:element name="DangerousGoodsVolume" type="VolumeValue" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>The volume of the dangerous goods in cubic meters</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **DanGoodsType/LimitedQuantityIndicator**

diagram	**LimitedQuantityIndicator** Indicator for labelled dangerous goods in limited quantity according to chapter 3.-4 RID
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Indicator for labelled dangerous goods in limited quantity according to chapter 3.-4 RID

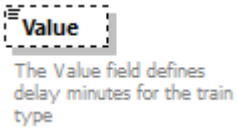
source	`<xs:element name="LimitedQuantityIndicator" type="xs:boolean" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Indicator for labelled dangerous goods in limited quantity according to chapter 3.-4 RID</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

complexType **DelayType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**TCRMeasures** **Value**
used by	element **TrafficMeasuresType/EstimatedDelay**

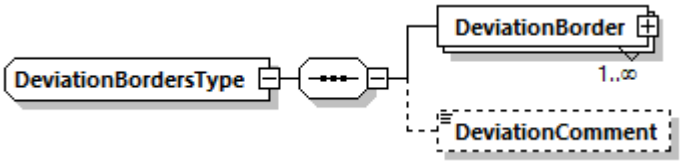
source	`<xs:complexType name="DelayType">`
	`  <xs:sequence>`
	`  <xs:element ref="TCRMeasures" minOccurs="0"/>`
	`  <xs:element name="Value" type="xs:positiveInteger" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>The Value field defines delay minutes for the train type</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  </xs:sequence>`
	`</xs:complexType>`

element **DelayType/Value**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:positiveInteger**
properties	minOcc 0 maxOcc 1 content simple
used by	elements **Height** **Length** **Width**
annotation	documentation The Value field defines delay minutes for the train type

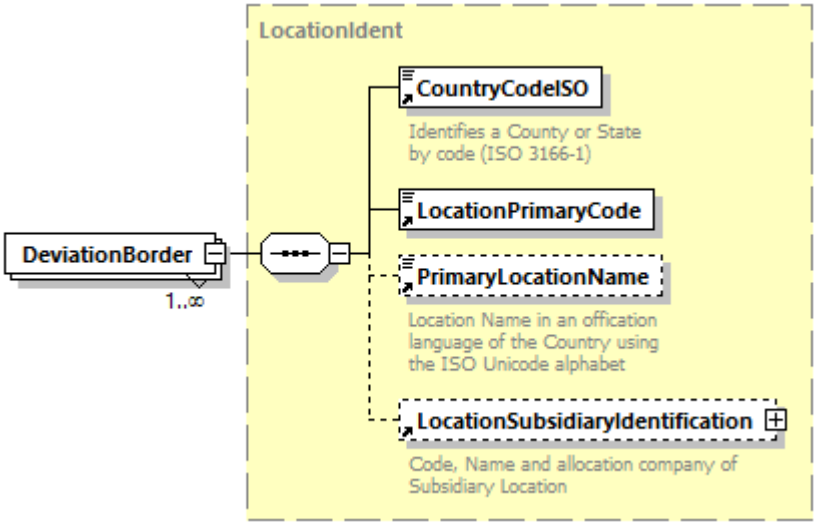
source	`<xs:element name="Value" type="xs:positiveInteger" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>The Value field defines delay minutes for the train type</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

complexType **DeviationBordersType**

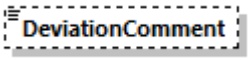
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**DeviationBorder** **DeviationComment**
used by	element **OperationalConsequencesType/Deviations/Borders**

source	`<xs:complexType name="DeviationBordersType">`
	`  <xs:sequence>`
	`  <xs:element name="DeviationBorder" type="LocationIdent" maxOccurs="unbounded"/>`
	`  <xs:element name="DeviationComment" type="xs:string" minOccurs="0"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

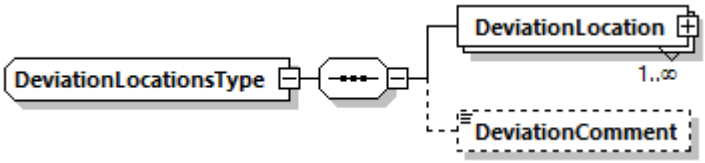
element **DeviationBordersType/DeviationBorder**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	minOcc 1 maxOcc unbounded content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
source	`<xs:element name="DeviationBorder" type="LocationIdent" maxOccurs="unbounded"/>`

element **DeviationBordersType/DeviationComment**

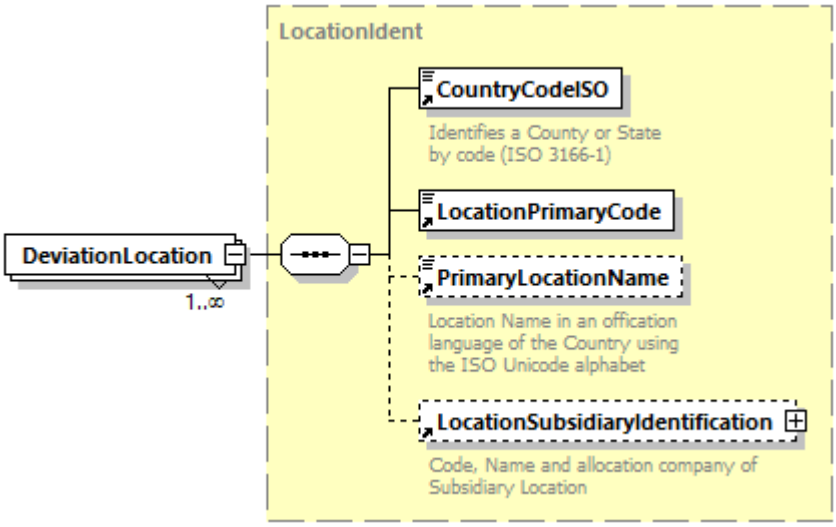
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="DeviationComment" type="xs:string" minOccurs="0"/>`

complexType **DeviationLocationsType**

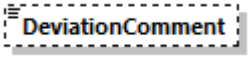
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**DeviationLocation** **DeviationComment**
used by	element **OperationalConsequencesType/Deviations/Routes**

source	`<xs:complexType name="DeviationLocationsType">`
	`  <xs:sequence>`
	`  <xs:element name="DeviationLocation" type="LocationIdent" maxOccurs="unbounded"/>`
	`  <xs:element name="DeviationComment" type="xs:string" minOccurs="0"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

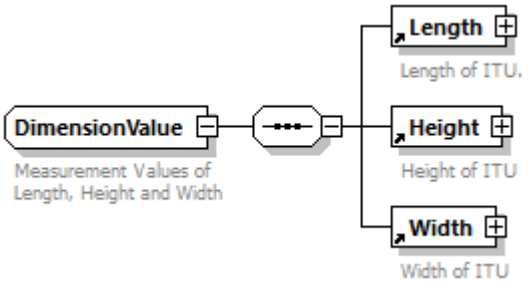
element **DeviationLocationsType/DeviationLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LocationIdent**
properties	minOcc 1 maxOcc unbounded content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
source	`<xs:element name="DeviationLocation" type="LocationIdent" maxOccurs="unbounded"/>`

element **DeviationLocationsType/DeviationComment**

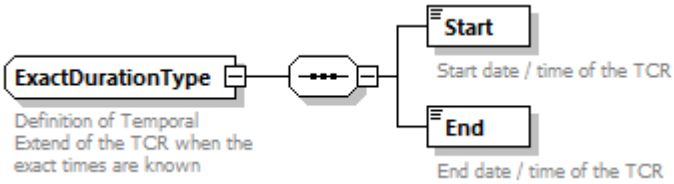
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="DeviationComment" type="xs:string" minOccurs="0"/>`

complexType **DimensionValue**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**Length** **Height** **Width**
annotation	documentation Measurement Values of Length, Height and Width

source	`<xs:complexType name="DimensionValue">`
	`  <xs:annotation>`
	`  <xs:documentation>Measurement Values of Length, Height and Width</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence>`
	`  <xs:element ref="Length"/>`
	`  <xs:element ref="Height"/>`
	`  <xs:element ref="Width"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

complexType **ExactDurationType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**Start** **End**
annotation	documentation Definition of Temporal Extend of the TCR when the exact times are known

source	`<xs:complexType name="ExactDurationType">`
	`  <xs:annotation>`
	`  <xs:documentation>Definition of Temporal Extend of the TCR when the exact times are known</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence>`
	`  <xs:element name="Start" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Start date / time of the TCR</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`

```
    <xs:element name="End" type="xs:dateTime">
      <xs:annotation>
        <xs:documentation>End date / time of the TCR</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element **ExactDurationType/Start**

diagram	Start Start date / time of the TCR
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
annotation	documentation Start date / time of the TCR

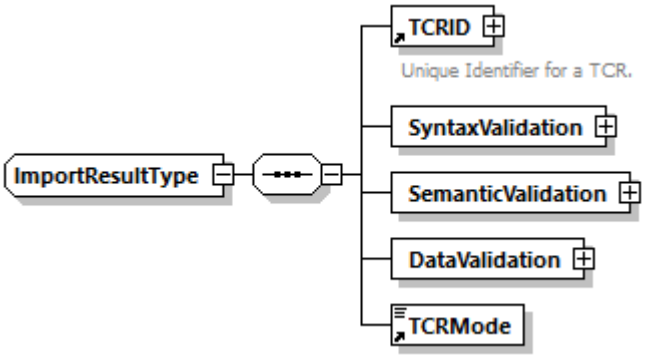
source	`<xs:element name="Start" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Start date / time of the TCR</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ExactDurationType/End**

diagram	End End date / time of the TCR
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	content simple
annotation	documentation End date / time of the TCR

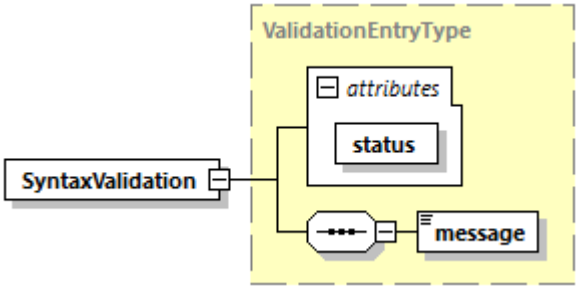
source	`<xs:element name="End" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>End date / time of the TCR</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

complexType **ImportResultType**

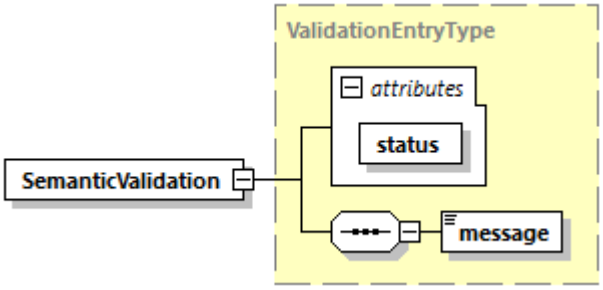
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**TCRID** **SyntaxValidation** **SemanticValidation** **DataValidation** **TCRMode**
used by	element **TCRResponseMessage/importResult**

source	`<xs:complexType name="ImportResultType">`
	`  <xs:sequence>`
	`  <xs:element ref="TCRID"/>`
	`  <xs:element name="SyntaxValidation" type="ValidationEntryType"/>`
	`  <xs:element name="SemanticValidation" type="ValidationEntryType"/>`
	`  <xs:element name="DataValidation" type="ValidationEntryType"/>`
	`  <xs:element ref="TCRMode"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

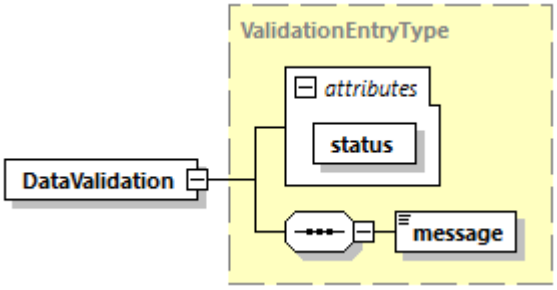
element **ImportResultType/SyntaxValidation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**ValidationEntryType**
properties	content complex
children	**message**
attributes	Name: status; Type: **TCRValidationStatusType**; Use: required; Default; Fixed; Annotation
source	`<xs:element name="SyntaxValidation" type="ValidationEntryType"/>`

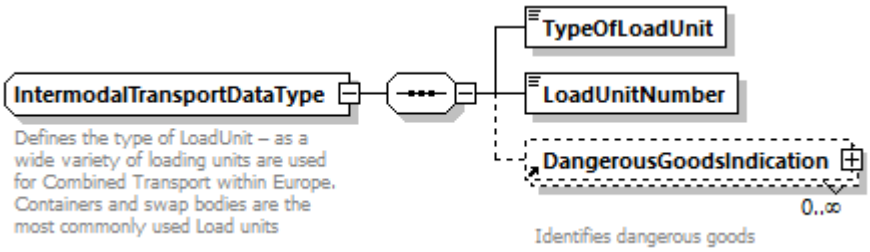
element **ImportResultType/SemanticValidation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**ValidationEntryType**
properties	content complex
children	**message**
attributes	Name: status; Type: **TCRValidationStatusType**; Use: required; Default; Fixed; Annotation
source	`<xs:element name="SemanticValidation" type="ValidationEntryType"/>`

element **ImportResultType/DataValidation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**ValidationEntryType**
properties	content complex
children	**message**
attributes	Name: status; Type: **TCRValidationStatusType**; Use: required; Default; Fixed; Annotation
source	`<xs:element name="DataValidation" type="ValidationEntryType"/>`

complexType **IntermodalTransportDataType**

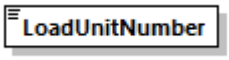
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**TypeOfLoadUnit** **LoadUnitNumber** **DangerousGoodsIndication**
used by	element **WagonData/IntermodalTransportData**
annotation	documentation Defines the type of LoadUnit – as a wide variety of loading units are used for Combined Transport within Europe. Containers and swap bodies are the most commonly used Load units

source	`<xs:complexType name="IntermodalTransportDataType">`
	`  <xs:annotation>`
	`  <xs:documentation>Defines the type of LoadUnit – as a wide variety of loading units are used for Combined Transport within Europe. Containers and swap bodies are the most commonly used Load units</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence>`
	`  <xs:element name="TypeOfLoadUnit" type="TypeOfLoadUnitType"/>`
	`  <xs:element name="LoadUnitNumber" type="LoadUnitNumberType"/>`
	`  <xs:element ref="DangerousGoodsIndication" minOccurs="0" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

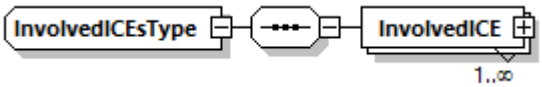
element **IntermodalTransportDataType/TypeOfLoadUnit**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**TypeOfLoadUnitType**
properties	content simple
facets	Kind / Value / Annotation enumeration 00 documentation unknown enumeration 01 documentation Container enumeration 02 documentation swap bodies enumeration 03 documentation semitrailers enumeration 04 documentation truck
source	`<xs:element name="TypeOfLoadUnit" type="TypeOfLoadUnitType"/>`

element **IntermodalTransportDataType/LoadUnitNumber**

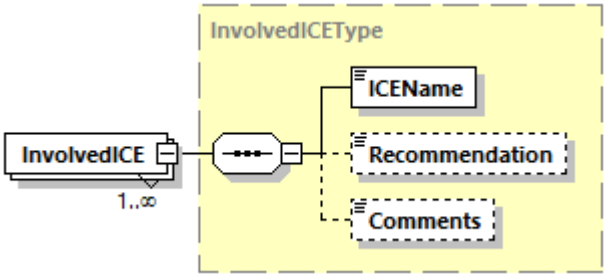
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**LoadUnitNumberType**
properties	content simple
facets	Kind / Value / Annotation whiteSpace / replace pattern / [A-Za-z0-9]{11}
source	`<xs:element name="LoadUnitNumber" type="LoadUnitNumberType"/>`

complexType **InvolvedICEsType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**InvolvedICE**
used by	element **TCRType/InvolvedICE**

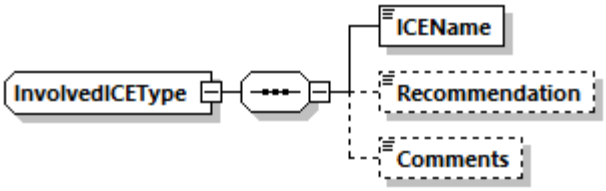
source	`<xs:complexType name="InvolvedICEsType">`
	`  <xs:sequence>`
	`  <xs:element name="InvolvedICE" type="InvolvedICEType" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

element **InvolvedICEsType/InvolvedICE**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**InvolvedICEType**
properties	minOcc 1 maxOcc unbounded content complex
children	**ICEName** **Recommendation** **Comments**

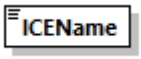
source	`<xs:element name="InvolvedICE" type="InvolvedICEType" maxOccurs="unbounded"/>`

complexType **InvolvedICEType**

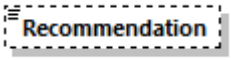
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**ICEName** **Recommendation** **Comments**
used by	element **InvolvedICEsType/InvolvedICE**

source	`<xs:complexType name="InvolvedICEType">`
	`  <xs:sequence>`
	`  <xs:element name="ICEName" type="FreeText"/>`
	`  <xs:element name="Recommendation" type="xs:boolean" minOccurs="0"/>`
	`  <xs:element name="Comments" type="xs:string" minOccurs="0"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

element **InvolvedICEType/ICEName**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 255
source	`<xs:element name="ICEName" type="FreeText"/>`

element **InvolvedICEType/Recommendation**

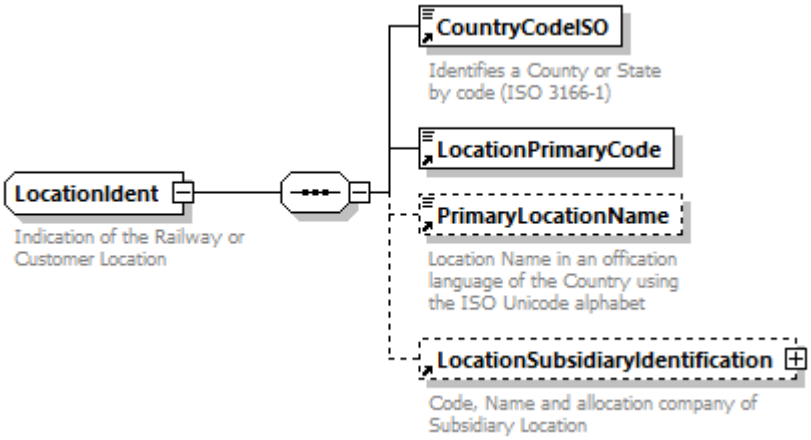
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple

source	`<xs:element name="Recommendation" type="xs:boolean" minOccurs="0"/>`

element **InvolvedICEType/Comments**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
used by	elements **LocationPrimaryInformation** **LocationSubsidiaryInformation** complexType **CapacityModelType**
source	`<xs:element name="Comments" type="xs:string" minOccurs="0"/>`

complexType **LocationIdent**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	elements **PassengerTrainData/Activities/ActivityLocationIdent** **TrainRunningData/Activities/ActivityLocationIdent** **AffectedBorderType/AffectedBorder** **AffectedBordersType/AffectedBorder** **ArrivalTrackAtLocation** **AssociatedAttachedLocationIdent** **AssociationLocation** **AvailabilityFrom** **AvailabilityTo** **RID_Checking/CheckingLocation** **CompositionStartOrChangeLocation** **DelayLocation** **DepartureJourneyTrack** **DepartureTrackAtLocation** **Destination** **WagonStatusMessages/WagonStatusMessage/DestinationLocation** **TrainOrCoachGroupComposition/Unit/ItineraryOfCoachOrTrainset/DestinationOfVehicle** **DeviationBordersType/DeviationBorder** **DeviationLocationsType/DeviationLocation** **ConsignmentOrderMessage/COMS/COM/RU_Declarations/DifferentAcceptance/DifferentAcceptance Point** **ConsignmentOrderMessage/COMS/COM/ChargingSections/End** **EndLocation** **AffectedSection/EndOfSection** **WagonStatusMessages/WagonStatusMessage/Event/EventLocationInformation/EventLocation** **ForecastedDelayLocation** **IntermediateDestination** **JourneySectionDestination** **JourneySectionOrigin Location** **LocationActualTrack** **TrainOrCoachGroupComposition/Unit/ItineraryOfCoachOrTrainset/AssociatedTrain/LocationOfChang**

	complexType: e LocationPlannedTrack NetworkProjectedLocation/NextLocation Notes/NoteLocationIdent Origin TrainOrCoachGroupComposition/Unit/ItineraryOfCoachOrTrainset/OriginOfVehicle ConsignmentOrderMessage/COMS/COM/PrepaymentInstructions/PaidUpTo TrainInformation/PathPlanningReferenceLocation PlannedJourneyLocation ConsignmentOrderMessage/COMS/COM/Carriers/SectionFrom ConsignmentOrderMessage/COMS/COM/Carriers/SectionTo WagonStatusMessages/WagonStatusMessage/ShippingLocation ConsignmentOrderMessage/COMS/COM/ChargingSections/Start StartLocation AffectedSection/StartOfSection Station TrainDepartureStation TrainDestinationStation TrainReadyMessage/TrainLocation TransferPoint PlannedLocationInfoType
annotation	documentation Indication of the Railway or Customer Location
source	<xs:complexType name="LocationIdent"> <xs:annotation> <xs:documentation>Indication of the Railway or Customer Location</xs:documentation> </xs:annotation> <xs:sequence> <xs:element ref="CountryCodeISO"/> <xs:element ref="LocationPrimaryCode"/> <xs:element ref="PrimaryLocationName" minOccurs="0"/> <xs:element ref="LocationSubsidiaryIdentification" minOccurs="0"/> </xs:sequence> </xs:complexType>

complexType **OperationalConsequencesType**

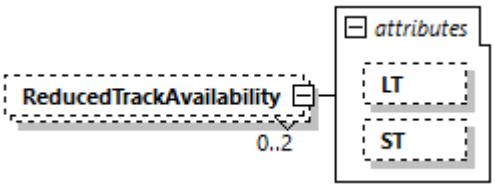
diagram

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**ReducedTrackAvailability** **DimensionalRestriction** **TotalClosure** **SpeedRestriction** **NoCatenary** **AffectedTrafficVolume** **TCRClassification** **TrafficMeasures** **Deviations** **InternationalCoordination** **InYearlyTimetable** **IndicationOfTimetableAdaption**
used by	element **TCRType/OperationalConsequenes**
annotation	documentation Information regarding the consequences of the TCR on the operations are given in this element.

source	`<xs:complexType name="OperationalConsequencesType">`
	`  <xs:annotation>`
	`  <xs:documentation>Information regarding the consequences of the TCR on the operations are given in this element.</xs:documentation>`
	`  </xs:annotation>`

```
  <xs:sequence>
    <xs:element name="ReducedTrackAvailability" minOccurs="0" maxOccurs="2">
      <xs:complexType>
        <xs:attribute name="LT" type="xs:boolean"/>
        <xs:attribute name="ST" type="xs:boolean"/>
      </xs:complexType>
    </xs:element>
    <xs:element name="DimensionalRestriction" minOccurs="0" maxOccurs="3">
      <xs:complexType>
        <xs:attribute name="weigth" type="xs:boolean"/>
        <xs:attribute name="length" type="xs:boolean"/>
        <xs:attribute name="profile" type="xs:boolean"/>
      </xs:complexType>
    </xs:element>
    <xs:element name="TotalClosure" type="xs:boolean" minOccurs="0"/>
    <xs:element name="SpeedRestriction" type="xs:boolean" minOccurs="0"/>
    <xs:element name="NoCatenary" type="xs:boolean" minOccurs="0">
      <xs:annotation>
        <xs:documentation>No catenary in sense of Diesel only, hybrid or baterie
locos.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="AffectedTrafficVolume" type="PercentageType"
minOccurs="0"/>
    <xs:element ref="TCRClassification"/>
    <xs:element name="TrafficMeasures" type="TrafficMeasuresType" minOccurs="0"/>
    <xs:element name="Deviations" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="Routes" type="DeviationLocationsType" minOccurs="0"
maxOccurs="unbounded"/>
          <xs:element name="Borders" type="DeviationBordersType" minOccurs="0"
maxOccurs="unbounded"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="InternationalCoordination" type="xs:string" minOccurs="0"/>
    <xs:element name="InYearlyTimetable" type="xs:boolean"/>
    <xs:element name="IndicationOfTimetableAdaption" type="xs:date"
minOccurs="0">
      <xs:annotation>
        <xs:documentation>Gives an indication when the timetable shall be adapted,
used only if InYearlyTimetable = false .</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element **OperationalConsequencesType/ReducedTrackAvailability**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 2 content complex
attributes	Name / Type / Use / Default / Fixed / Annotation LT / **xs:boolean** ST / **xs:boolean**

source	`<xs:element name="ReducedTrackAvailability" minOccurs="0" maxOccurs="2">`
	`  <xs:complexType>`
	`  <xs:attribute name="LT" type="xs:boolean"/>`
	`  <xs:attribute name="ST" type="xs:boolean"/>`
	`  </xs:complexType>`
	`</xs:element>`

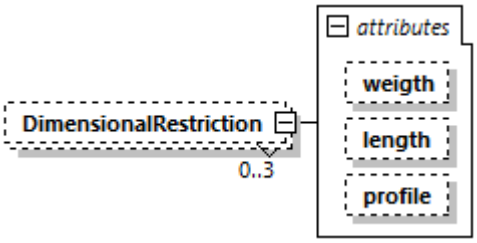
attribute **OperationalConsequencesType/ReducedTrackAvailability/@LT**

type	**xs:boolean**
source	`<xs:attribute name="LT" type="xs:boolean"/>`

attribute **OperationalConsequencesType/ReducedTrackAvailability/@ST**

type	**xs:boolean**
source	`<xs:attribute name="ST" type="xs:boolean"/>`

element **OperationalConsequencesType/DimensionalRestriction**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 3 content complex
attributes	Name / Type / Use / Default / Fixed / Annotation weigth / **xs:boolean**

	length **xs:boolean** profile **xs:boolean**

source	`<xs:element name="DimensionalRestriction" minOccurs="0" maxOccurs="3">`
	`  <xs:complexType>`
	`  <xs:attribute name="weigth" type="xs:boolean"/>`
	`  <xs:attribute name="length" type="xs:boolean"/>`
	`  <xs:attribute name="profile" type="xs:boolean"/>`
	`  </xs:complexType>`
	`</xs:element>`

attribute **OperationalConsequencesType/DimensionalRestriction/@weigth**

type	**xs:boolean**
source	`<xs:attribute name="weigth" type="xs:boolean"/>`

attribute **OperationalConsequencesType/DimensionalRestriction/@length**

type	**xs:boolean**
source	`<xs:attribute name="length" type="xs:boolean"/>`

attribute **OperationalConsequencesType/DimensionalRestriction/@profile**

type	**xs:boolean**
source	`<xs:attribute name="profile" type="xs:boolean"/>`

element **OperationalConsequencesType/TotalClosure**

diagram	TotalClosure
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="TotalClosure" type="xs:boolean" minOccurs="0"/>`

element **OperationalConsequencesType/SpeedRestriction**

diagram	SpeedRestriction
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**

properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="SpeedRestriction" type="xs:boolean" minOccurs="0"/>`

element **OperationalConsequencesType/NoCatenary**

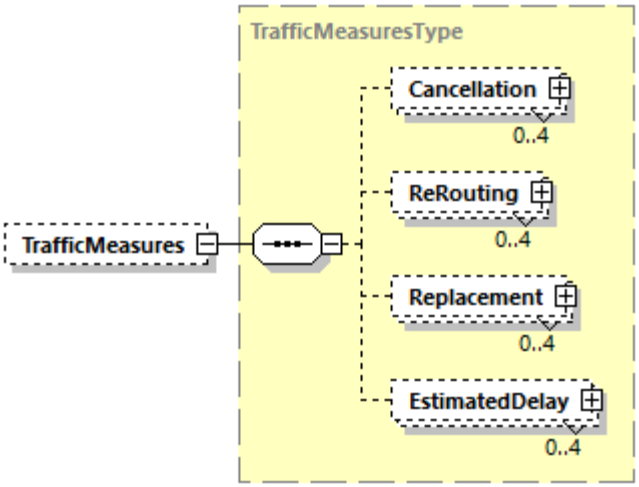
diagram	NoCatenary No catenary in sense of Diesel only, hybrid or baterie locos.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation No catenary in sense of Diesel only, hybrid or baterie locos.

source	`<xs:element name="NoCatenary" type="xs:boolean" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>No catenary in sense of Diesel only, hybrid or baterie locos.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

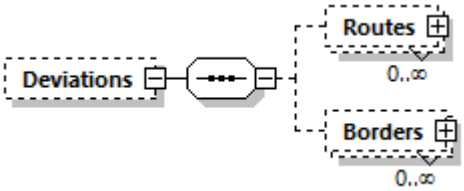
element **OperationalConsequencesType/AffectedTrafficVolume**

diagram	AffectedTrafficVolume
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**PercentageType**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 0 maxInclusive 100
source	`<xs:element name="AffectedTrafficVolume" type="PercentageType" minOccurs="0"/>`

element **OperationalConsequencesType/TrafficMeasures**

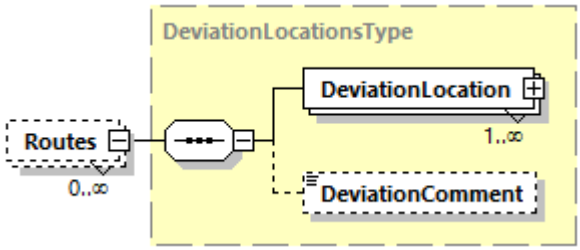
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**TrafficMeasuresType**
properties	minOcc 0 maxOcc 1 content complex
children	**Cancellation** **ReRouting** **Replacement** **EstimatedDelay**
source	`<xs:element name="TrafficMeasures" type="TrafficMeasuresType" minOccurs="0"/>`

element **OperationalConsequencesType/Deviations**

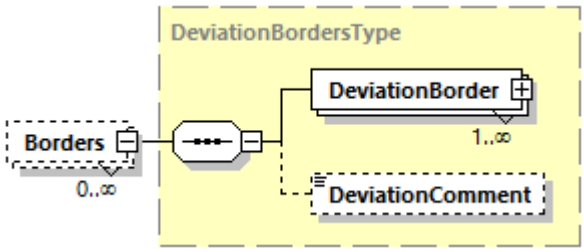
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**Routes** **Borders**

source	`<xs:element name="Deviations" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="Routes" type="DeviationLocationsType" minOccurs="0" maxOccurs="unbounded"/>`
	`  <xs:element name="Borders" type="DeviationBordersType" minOccurs="0" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

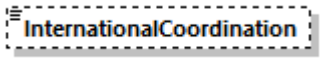
element **OperationalConsequencesType/Deviations/Routes**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**DeviationLocationsType**
properties	minOcc 0 maxOcc unbounded content complex
children	**DeviationLocation** **DeviationComment**
source	`<xs:element name="Routes" type="DeviationLocationsType" minOccurs="0" maxOccurs="unbounded"/>`

element **OperationalConsequencesType/Deviations/Borders**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**DeviationBordersType**
properties	minOcc 0 maxOcc unbounded content complex
children	**DeviationBorder** **DeviationComment**
source	`<xs:element name="Borders" type="DeviationBordersType" minOccurs="0" maxOccurs="unbounded"/>`

element **OperationalConsequencesType/InternationalCoordination**

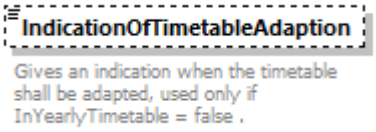
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:string**

properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="InternationalCoordination" type="xs:string" minOccurs="0"/>`

element **OperationalConsequencesType/InYearlyTimetable**

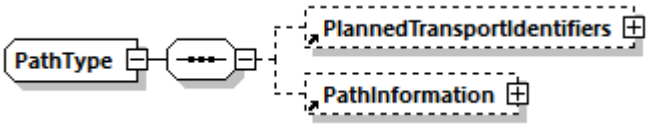
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	content simple
source	`<xs:element name="InYearlyTimetable" type="xs:boolean"/>`

element **OperationalConsequencesType/IndicationOfTimetableAdaption**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:date**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Gives an indication when the timetable shall be adapted, used only if InYearlyTimetable = false .

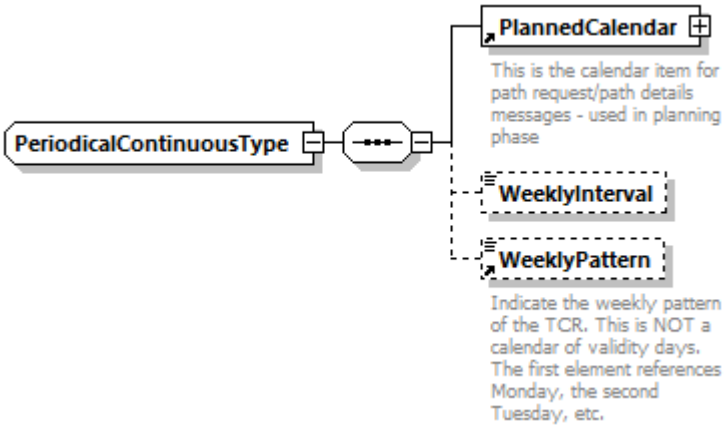
source	`<xs:element name="IndicationOfTimetableAdaption" type="xs:date" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Gives an indication when the timetable shall be adapted, used only if InYearlyTimetable = false .</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

complexType **PathType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**PlannedTransportIdentifiers** **PathInformation**
used by	elements **CapacityProductMessage/CataloguePaths** **CapacityProductMessage/Paths**

source	`<xs:complexType name="PathType">`
	`  <xs:sequence>`
	`  <xs:element ref="PlannedTransportIdentifiers" minOccurs="0"/>`
	`  <xs:element ref="PathInformation" minOccurs="0"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

complexType **PeriodicalContinuousType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**PlannedCalendar** **WeeklyInterval** **WeeklyPattern**

source	`<xs:complexType name="PeriodicalContinuousType">`
	`  <xs:sequence>`
	`  <xs:element ref="PlannedCalendar"/>`
	`  <xs:element name="WeeklyInterval" type="xs:positiveInteger" minOccurs="0"/>`
	`  <xs:element ref="WeeklyPattern" minOccurs="0"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

element **PeriodicalContinuousType/WeeklyInterval**

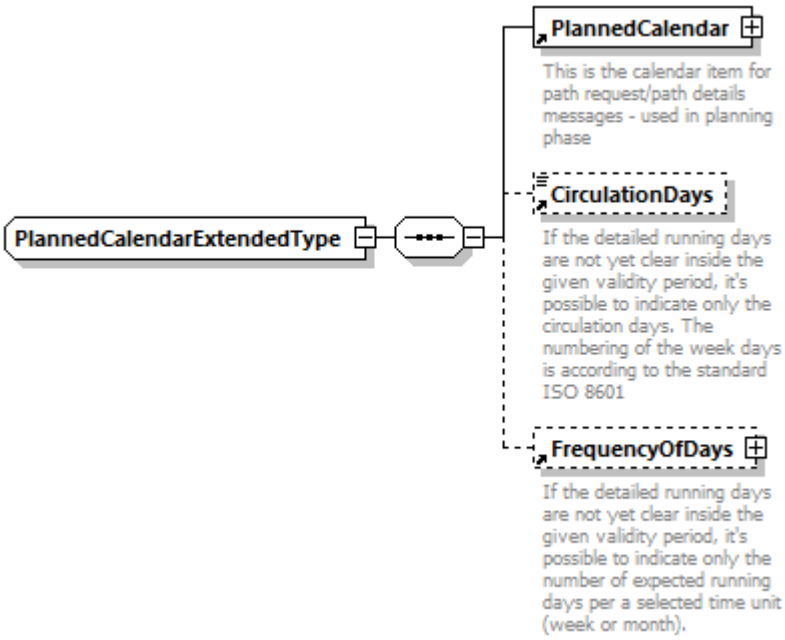
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:positiveInteger**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="WeeklyInterval" type="xs:positiveInteger" minOccurs="0"/>`

complexType **PeriodicalType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

source	`<xs:complexType name="PeriodicalType">`
	`  <xs:sequence/>`
	`</xs:complexType>`

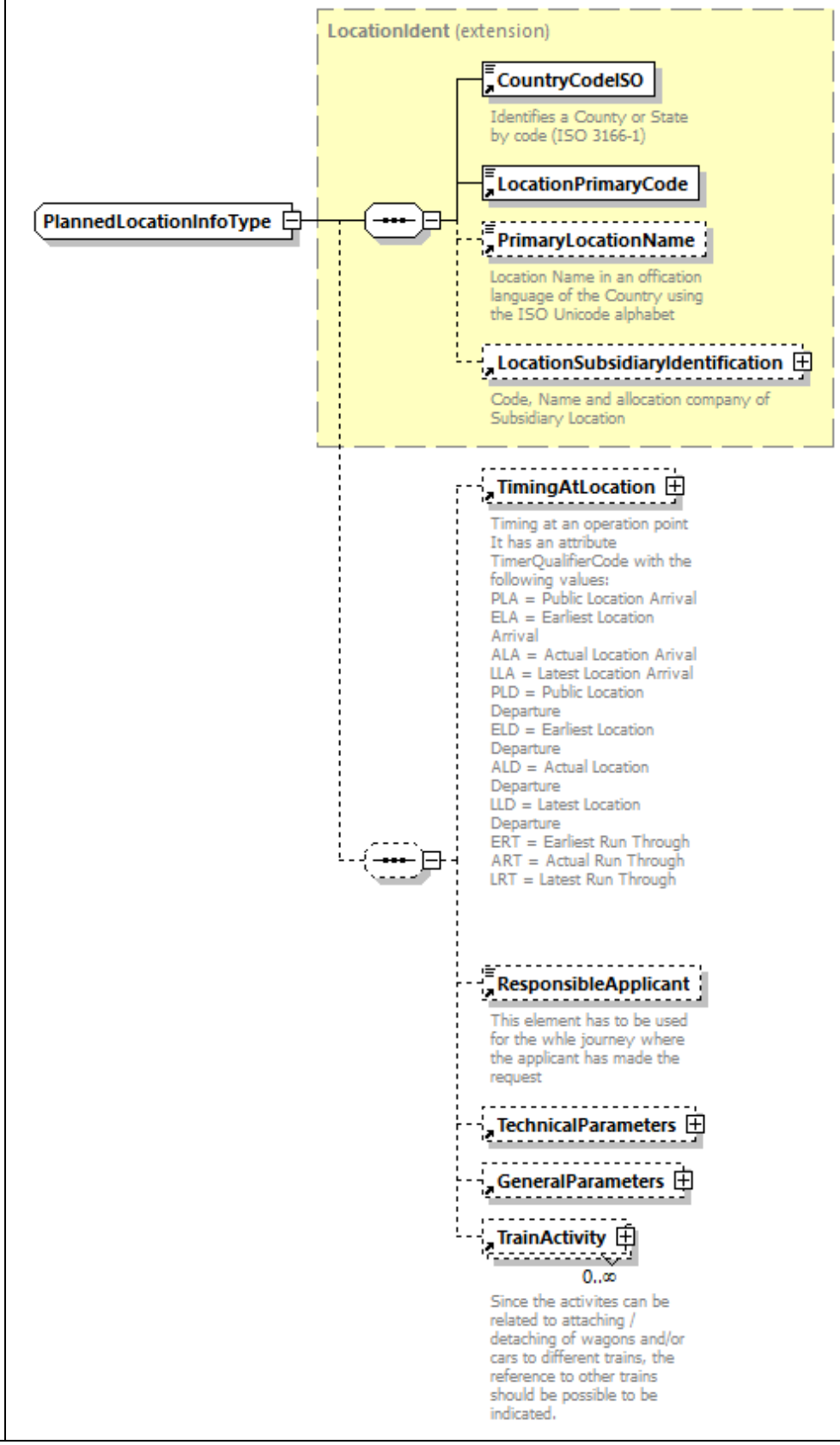
complexType **PlannedCalendarExtendedType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**PlannedCalendar** **CirculationDays** **FrequencyOfDays**
used by	element **CapacityModelType/PlannedCalendarExtended**

source	`<xs:complexType name="PlannedCalendarExtendedType">`
	`  <xs:sequence>`
	`  <xs:element ref="PlannedCalendar"/>`
	`  <xs:element ref="CirculationDays" minOccurs="0"/>`
	`  <xs:element ref="FrequencyOfDays" minOccurs="0"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

complexType **PlannedLocationInfoType**

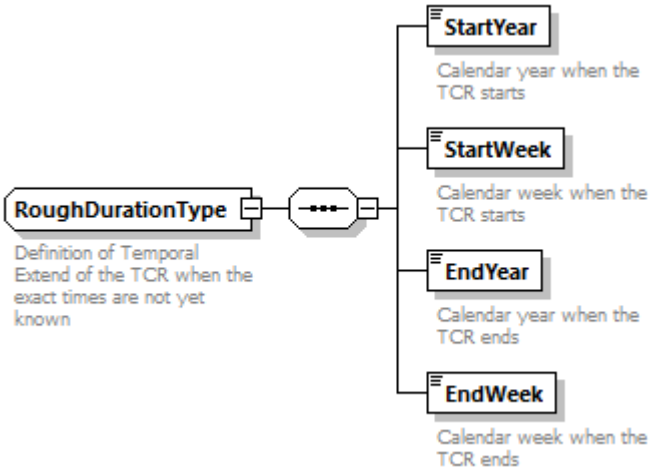
diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **LocationIdent**
properties	base LocationIdent
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification** **TimingAtLocation** **ResponsibleApplicant** **TechnicalParameters** **GeneralParameters** **TrainActivity**
used by	element **CapacityModelType/PlannedLocationInfo**

source	`<xs:complexType name="PlannedLocationInfoType">`
	`  <xs:complexContent>`
	`  <xs:extension base="LocationIdent">`
	`  <xs:sequence minOccurs="0">`
	`  <xs:element ref="TimingAtLocation" minOccurs="0"/>`
	`  <xs:element ref="ResponsibleApplicant" minOccurs="0"/>`
	`  <xs:element ref="TechnicalParameters" minOccurs="0"/>`
	`  <xs:element ref="GeneralParameters" minOccurs="0"/>`
	`  <xs:element ref="TrainActivity" minOccurs="0" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:extension>`
	`  </xs:complexContent>`
	`</xs:complexType>`

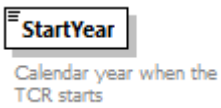
complexType **RoughDurationType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**StartYear** **StartWeek** **EndYear** **EndWeek**
used by	elements **TemporalExpansionType/RoughDates** **TCRTimeType/RoughDates**
annotation	documentation Definition of Temporal Extend of the TCR when the exact times are not yet known

source	`<xs:complexType name="RoughDurationType">`
	`  <xs:annotation>`
	`  <xs:documentation>Definition of Temporal Extend of the TCR when the exact times are not yet known</xs:documentation>`
	`  </xs:annotation>`

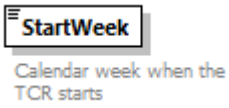
```
  <xs:sequence>
    <xs:element name="StartYear" type="xs:gYear">
      <xs:annotation>
        <xs:documentation>Calendar year when the TCR starts</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="StartWeek" type="WeekType">
      <xs:annotation>
        <xs:documentation>Calendar week when the TCR starts</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="EndYear" type="xs:gYear">
      <xs:annotation>
        <xs:documentation>Calendar year when the TCR ends</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="EndWeek" type="WeekType">
      <xs:annotation>
        <xs:documentation>Calendar week when the TCR ends</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element **RoughDurationType/StartYear**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:gYear**
properties	content simple
annotation	documentation Calendar year when the TCR starts

source	`<xs:element name="StartYear" type="xs:gYear">`
	`  <xs:annotation>`
	`  <xs:documentation>Calendar year when the TCR starts</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RoughDurationType/StartWeek**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**WeekType**

properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 52
annotation	documentation Calendar week when the TCR starts

source	`<xs:element name="StartWeek" type="WeekType">`
	`  <xs:annotation>`
	`  <xs:documentation>Calendar week when the TCR starts</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RoughDurationType/EndYear**

diagram	EndYear Calendar year when the TCR ends
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:gYear**
properties	content simple
annotation	documentation Calendar year when the TCR ends

source	`<xs:element name="EndYear" type="xs:gYear">`
	`  <xs:annotation>`
	`  <xs:documentation>Calendar year when the TCR ends</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

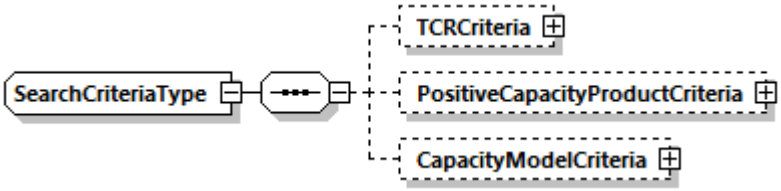
element **RoughDurationType/EndWeek**

diagram	EndWeek Calendar week when the TCR ends
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**WeekType**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 52
annotation	documentation Calendar week when the TCR ends

source	`<xs:element name="EndWeek" type="WeekType">`
	`  <xs:annotation>`
	`  <xs:documentation>Calendar week when the TCR ends</xs:documentation>`
	`  </xs:annotation>`

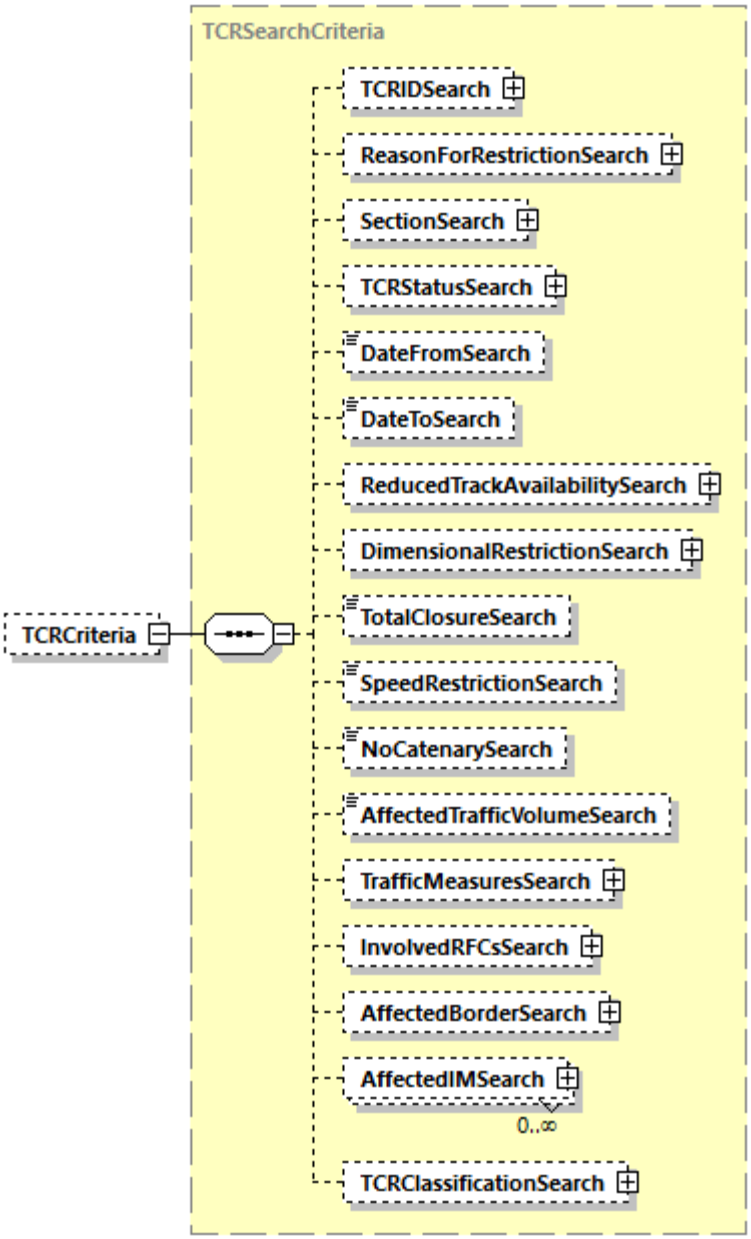
	`</xs:element>`

complexType **SearchCriteriaType**

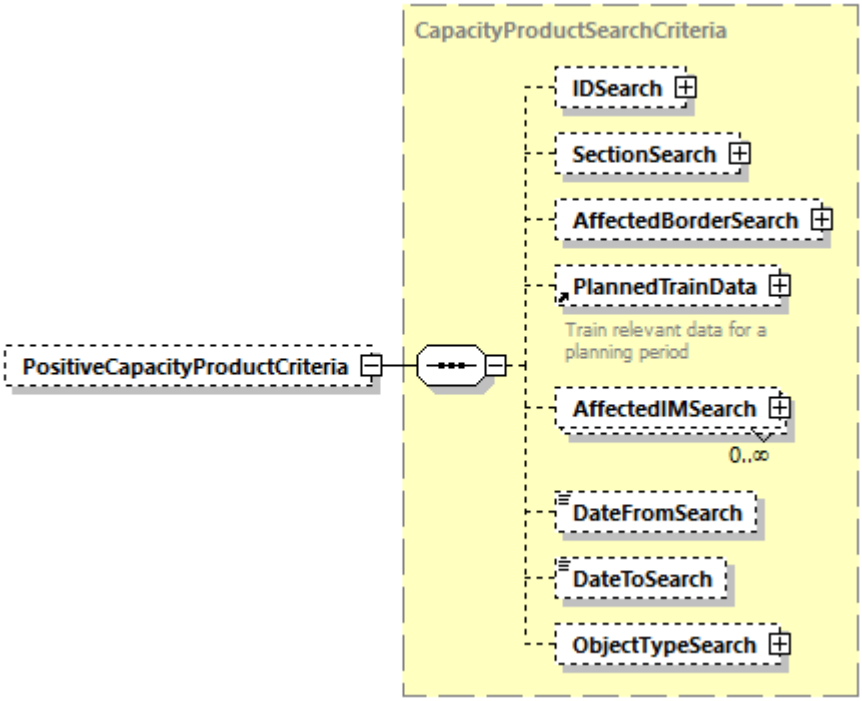
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**TCRCriteria** **PositiveCapacityProductCriteria** **CapacityModelCriteria**
used by	element **CapacityProductSearchMessage/SearchCriteria**

source	`<xs:complexType name="SearchCriteriaType">`
	`  <xs:sequence>`
	`  <xs:element name="TCRCriteria" type="TCRSearchCriteria" minOccurs="0"/>`
	`  <xs:element name="PositiveCapacityProductCriteria" type="CapacityProductSearchCriteria" minOccurs="0"/>`
	`  <xs:element name="CapacityModelCriteria" type="CapacityModelSearchCriteria" minOccurs="0"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

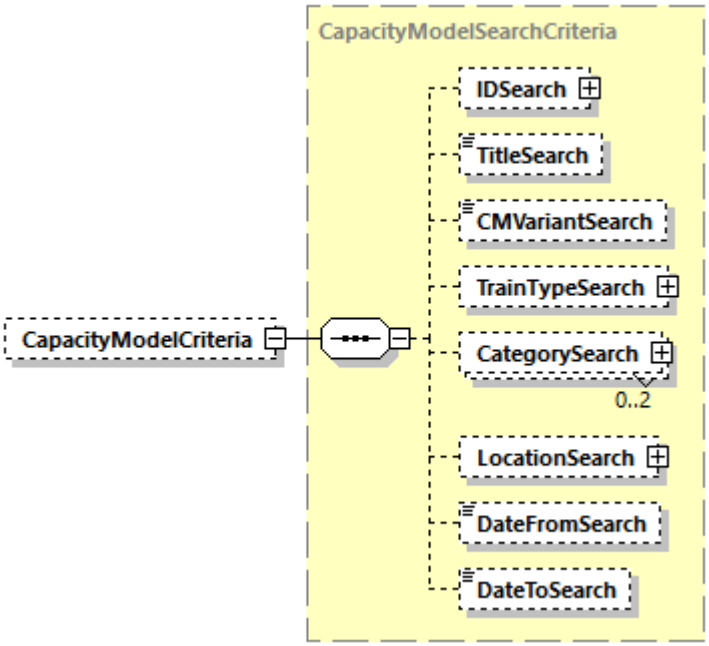
element **SearchCriteriaType/TCRCriteria**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**TCRSearchCriteria**
properties	minOcc 0 maxOcc 1 content complex
children	**TCRIDSearch** **ReasonForRestrictionSearch** **SectionSearch** **TCRStatusSearch** **DateFromSearch** **DateToSearch** **ReducedTrackAvailabilitySearch** **DimensionalRestrictionSearch** **TotalClosureSearch** **SpeedRestrictionSearch** **NoCatenarySearch** **AffectedTrafficVolumeSearch** **TrafficMeasuresSearch** **InvolvedRFCsSearch** **AffectedBorderSearch** **AffectedIMSearch** **TCRClassificationSearch**
source	`<xs:element name="TCRCriteria" type="TCRSearchCriteria" minOccurs="0"/>`

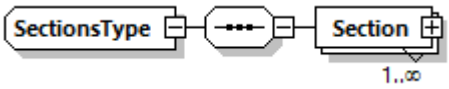
element **SearchCriteriaType/PositiveCapacityProductCriteria**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CapacityProductSearchCriteria**
properties	minOcc 0 maxOcc 1 content complex
children	**IDSearch** **SectionSearch** **AffectedBorderSearch** **PlannedTrainData** **AffectedIMSearch** **DateFromSearch** **DateToSearch** **ObjectTypeSearch**
source	`<xs:element name="PositiveCapacityProductCriteria" type="CapacityProductSearchCriteria" minOccurs="0"/>`

element **SearchCriteriaType/CapacityModelCriteria**

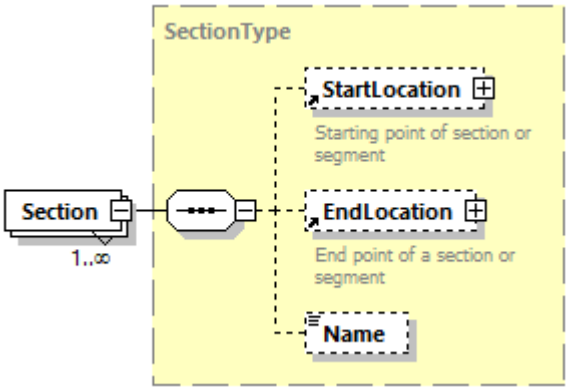
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**CapacityModelSearchCriteria**
properties	minOcc 0 maxOcc 1 content complex
children	**IDSearch** **TitleSearch** **CMVariantSearch** **TrainTypeSearch** **CategorySearch** **LocationSearch** **DateFromSearch** **DateToSearch**
source	`<xs:element name="CapacityModelCriteria" type="CapacityModelSearchCriteria" minOccurs="0"/>`

complexType **SectionsType**

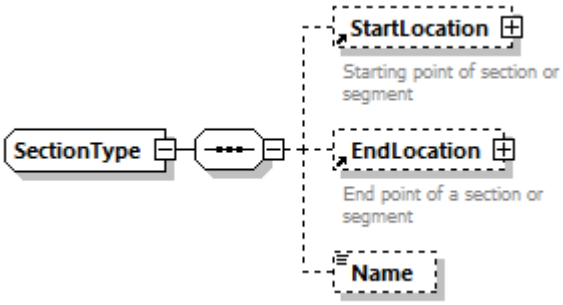
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**Section**
used by	elements **CapacityProductSearchCriteria/SectionSearch/Sections** **TCRSearchCriteria/SectionSearch/Sections** **TCRType/Sections**

source	`<xs:complexType name="SectionsType">`
	`  <xs:sequence>`
	`  <xs:element name="Section" type="SectionType" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

element **SectionsType/Section**

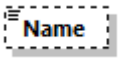
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**SectionType**
properties	minOcc 1 maxOcc unbounded content complex
children	**StartLocation** **EndLocation** **Name**
source	`<xs:element name="Section" type="SectionType" maxOccurs="unbounded"/>`

complexType **SectionType**

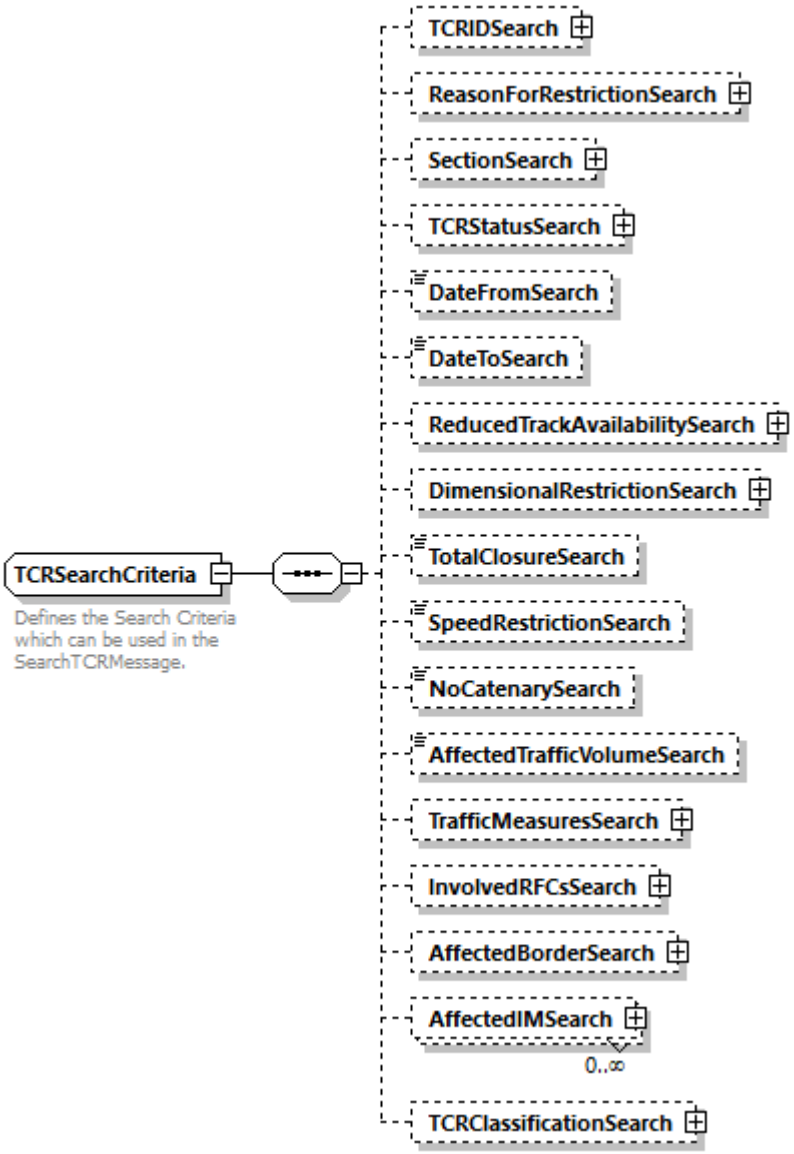
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**StartLocation** **EndLocation** **Name**
used by	element **SectionsType/Section**

source	`<xs:complexType name="SectionType">`
	`  <xs:sequence>`
	`  <xs:element ref="StartLocation" minOccurs="0"/>`
	`  <xs:element ref="EndLocation" minOccurs="0"/>`
	`  <xs:element name="Name" type="FreeText" minOccurs="0"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

element **SectionType/Name**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	minOcc 0 maxOcc 1 content simple
used by	elements **AdministrativeContactInformation** **Customer** **Customers** **RollingRoadUnit/RollingRoadUnitDetails/Haulier** **NetworkSpecificParameter** **Parameters**
facets	Kind Value Annotation minLength 1 maxLength 255
source	`<xs:element name="Name" type="FreeText" minOccurs="0"/>`

complexType **TCRSearchCriteria**

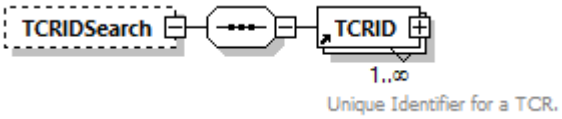
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**TCRIDSearch** **ReasonForRestrictionSearch** **SectionSearch** **TCRStatusSearch** **DateFromSearch** **DateToSearch** **ReducedTrackAvailabilitySearch** **DimensionalRestrictionSearch** **TotalClosureSearch** **SpeedRestrictionSearch** **NoCatenarySearch** **AffectedTrafficVolumeSearch** **TrafficMeasuresSearch** **InvolvedRFCsSearch** **AffectedBorderSearch** **AffectedIMSearch** **TCRClassificationSearch**
used by	element **SearchCriteriaType/TCRCriteria**
annotation	documentation Defines the Search Criteria which can be used in the SearchTCRMessage.

source	`<xs:complexType name="TCRSearchCriteria">`
	`  <xs:annotation>`
	`  <xs:documentation>Defines the Search Criteria which can be used in the SearchTCRMessage.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence>`

```
    <xs:element name="TCRIDSearch" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element ref="TCRID" maxOccurs="unbounded"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="ReasonForRestrictionSearch" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element ref="ReasonForRestriction" minOccurs="0"
maxOccurs="unbounded"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="SectionSearch" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="Sections" type="SectionsType" maxOccurs="unbounded"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="TCRStatusSearch" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element ref="TCRStatus" maxOccurs="unbounded"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="DateFromSearch" type="xs:dateTime" minOccurs="0"/>
    <xs:element name="DateToSearch" type="xs:dateTime" minOccurs="0"/>
    <xs:element name="ReducedTrackAvailabilitySearch" minOccurs="0">
      <xs:complexType>
        <xs:attribute name="LT" type="xs:boolean"/>
        <xs:attribute name="ST" type="xs:boolean"/>
      </xs:complexType>
    </xs:element>
    <xs:element name="DimensionalRestrictionSearch" minOccurs="0">
      <xs:complexType>
        <xs:attribute name="weigth" type="xs:boolean"/>
        <xs:attribute name="length" type="xs:boolean"/>
        <xs:attribute name="profile" type="xs:boolean"/>
      </xs:complexType>
    </xs:element>
    <xs:element name="TotalClosureSearch" type="xs:boolean" minOccurs="0"/>
    <xs:element name="SpeedRestrictionSearch" type="xs:boolean" minOccurs="0"/>
    <xs:element name="NoCatenarySearch" type="xs:boolean" minOccurs="0"/>
    <xs:element name="AffectedTrafficVolumeSearch" type="PercentageType"
minOccurs="0"/>
    <xs:element name="TrafficMeasuresSearch" type="TrafficMeasuresType"
minOccurs="0"/>
    <xs:element name="InvolvedRFCsSearch" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="RFCName" type="FreeText" maxOccurs="unbounded"/>
```

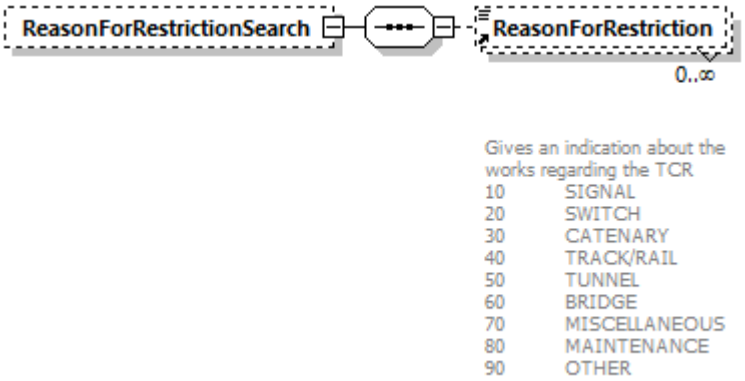
```
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="AffectedBorderSearch" type="AffectedBorderType"
minOccurs="0"/>
    <xs:element name="AffectedIMSearch" minOccurs="0" maxOccurs="unbounded">
      <xs:complexType>
        <xs:sequence>
          <xs:element ref="Company"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="TCRClassificationSearch" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element ref="TCRClassification" maxOccurs="unbounded"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element **TCRSearchCriteria/TCRIDSearch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**TCRID**

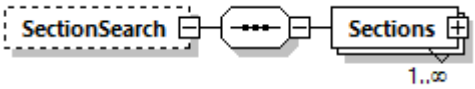
source	`<xs:element name="TCRIDSearch" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="TCRID" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **TCRSearchCriteria/ReasonForRestrictionSearch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**ReasonForRestriction**

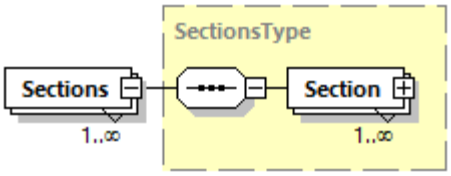
source	`<xs:element name="ReasonForRestrictionSearch" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="ReasonForRestriction" minOccurs="0" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **TCRSearchCriteria/SectionSearch**

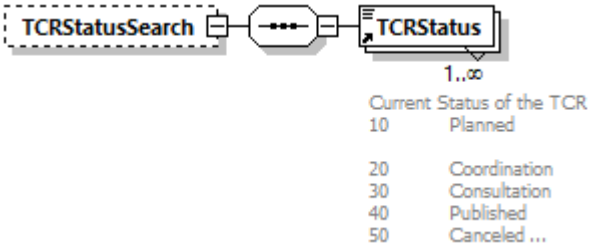
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**Sections**

source	`<xs:element name="SectionSearch" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="Sections" type="SectionsType" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **TCRSearchCriteria/SectionSearch/Sections**

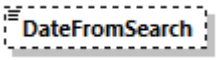
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**SectionsType**
properties	minOcc 1 maxOcc unbounded content complex
children	**Section**
source	`<xs:element name="Sections" type="SectionsType" maxOccurs="unbounded"/>`

element **TCRSearchCriteria/TCRStatusSearch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**TCRStatus**

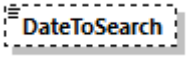
source	`<xs:element name="TCRStatusSearch" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="TCRStatus" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **TCRSearchCriteria/DateFromSearch**

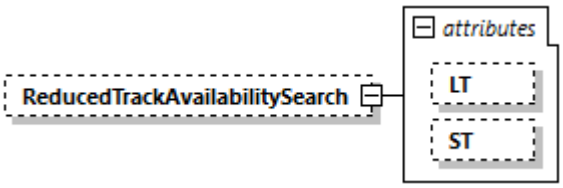
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	minOcc 0 maxOcc 1

	content simple
source	`<xs:element name="DateFromSearch" type="xs:dateTime" minOccurs="0"/>`

element **TCRSearchCriteria/DateToSearch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="DateToSearch" type="xs:dateTime" minOccurs="0"/>`

element **TCRSearchCriteria/ReducedTrackAvailabilitySearch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
attributes	Name / Type / Use / Default / Fixed / Annotation LT / **xs:boolean** ST / **xs:boolean**

source	`<xs:element name="ReducedTrackAvailabilitySearch" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:attribute name="LT" type="xs:boolean"/>`
	`  <xs:attribute name="ST" type="xs:boolean"/>`
	`  </xs:complexType>`
	`</xs:element>`

attribute **TCRSearchCriteria/ReducedTrackAvailabilitySearch/@LT**

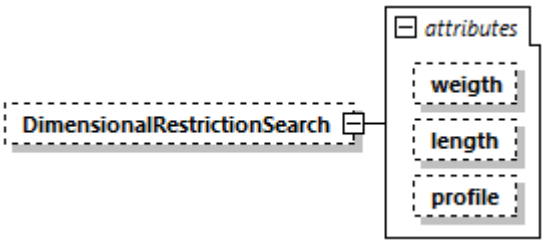
type	**xs:boolean**
source	`<xs:attribute name="LT" type="xs:boolean"/>`

attribute **TCRSearchCriteria/ReducedTrackAvailabilitySearch/@ST**

type	**xs:boolean**

source	`<xs:attribute name="ST" type="xs:boolean"/>`

element **TCRSearchCriteria/DimensionalRestrictionSearch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
attributes	Name / Type / Use / Default / Fixed / Annotation weigth / **xs:boolean** length / **xs:boolean** profile / **xs:boolean**

source	`<xs:element name="DimensionalRestrictionSearch" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:attribute name="weigth" type="xs:boolean"/>`
	`  <xs:attribute name="length" type="xs:boolean"/>`
	`  <xs:attribute name="profile" type="xs:boolean"/>`
	`  </xs:complexType>`
	`</xs:element>`

attribute **TCRSearchCriteria/DimensionalRestrictionSearch/@weigth**

type	**xs:boolean**
source	`<xs:attribute name="weigth" type="xs:boolean"/>`

attribute **TCRSearchCriteria/DimensionalRestrictionSearch/@length**

type	**xs:boolean**
source	`<xs:attribute name="length" type="xs:boolean"/>`

attribute **TCRSearchCriteria/DimensionalRestrictionSearch/@profile**

type	**xs:boolean**
source	`<xs:attribute name="profile" type="xs:boolean"/>`

element **TCRSearchCriteria/TotalClosureSearch**

diagram	TotalClosureSearch
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="TotalClosureSearch" type="xs:boolean" minOccurs="0"/>`

element **TCRSearchCriteria/SpeedRestrictionSearch**

diagram	SpeedRestrictionSearch
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="SpeedRestrictionSearch" type="xs:boolean" minOccurs="0"/>`

element **TCRSearchCriteria/NoCatenarySearch**

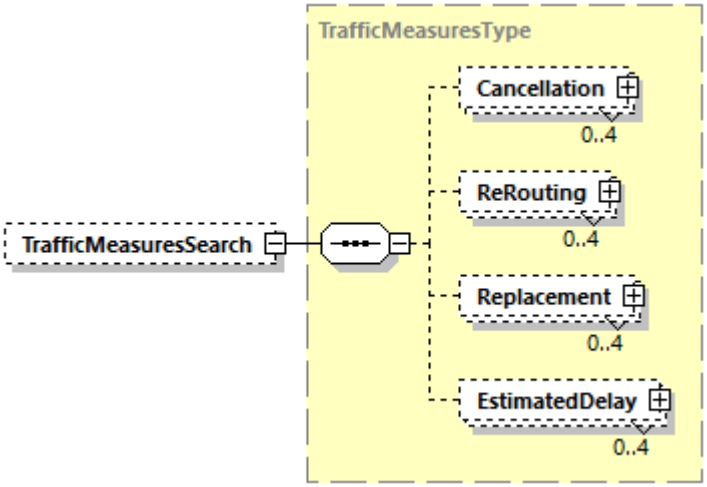
diagram	NoCatenarySearch
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="NoCatenarySearch" type="xs:boolean" minOccurs="0"/>`

element **TCRSearchCriteria/AffectedTrafficVolumeSearch**

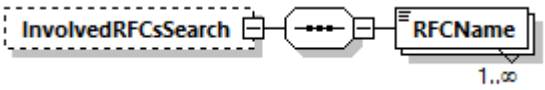
diagram	AffectedTrafficVolumeSearch
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**PercentageType**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 0

	maxInclusive 100
source	`<xs:element name="AffectedTrafficVolumeSearch" type="PercentageType" minOccurs="0"/>`

element **TCRSearchCriteria/TrafficMeasuresSearch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**TrafficMeasuresType**
properties	minOcc 0 maxOcc 1 content complex
children	**Cancellation** **ReRouting** **Replacement** **EstimatedDelay**
source	`<xs:element name="TrafficMeasuresSearch" type="TrafficMeasuresType" minOccurs="0"/>`

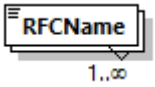
element **TCRSearchCriteria/InvolvedRFCsSearch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc 1 content complex
children	**RFCName**

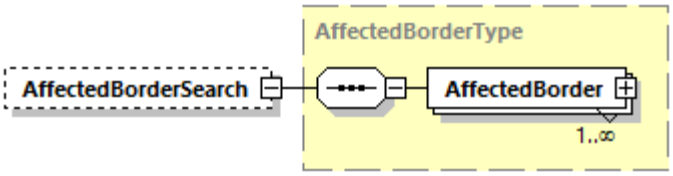
source	`<xs:element name="InvolvedRFCsSearch" minOccurs="0">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="RFCName" type="FreeText" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`

	`</xs:element>`

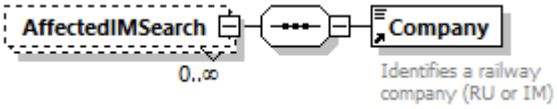
element **TCRSearchCriteria/InvolvedRFCsSearch/RFCName**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**FreeText**
properties	minOcc 1 maxOcc unbounded content simple
facets	Kind Value Annotation minLength 1 maxLength 255
source	`<xs:element name="RFCName" type="FreeText" maxOccurs="unbounded"/>`

element **TCRSearchCriteria/AffectedBorderSearch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**AffectedBorderType**
properties	minOcc 0 maxOcc 1 content complex
children	**AffectedBorder**
source	`<xs:element name="AffectedBorderSearch" type="AffectedBorderType" minOccurs="0"/>`

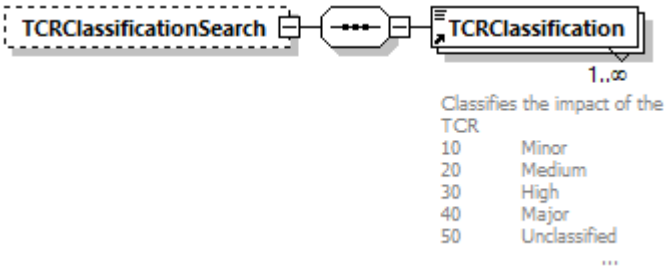
element **TCRSearchCriteria/AffectedIMSearch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc unbounded content complex
children	**Company**
source	`<xs:element name="AffectedIMSearch" minOccurs="0" maxOccurs="unbounded">`

```
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Company"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TCRSearchCriteria/TCRClassificationSearch**

diagram



namespace: http://www.era.europa.eu/schemes/TAFTSI/3.5

properties:

minOcc	0
maxOcc	1
content	complex

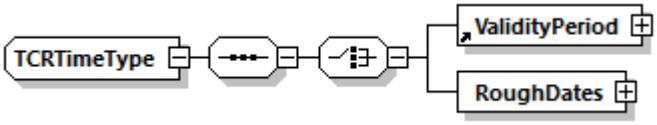
children: **TCRClassification**

source

```
<xs:element name="TCRClassificationSearch" minOccurs="0">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="TCRClassification" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

complexType **TCRTimeType**

diagram



namespace: http://www.era.europa.eu/schemes/TAFTSI/3.5

children: **ValidityPeriod** **RoughDates**

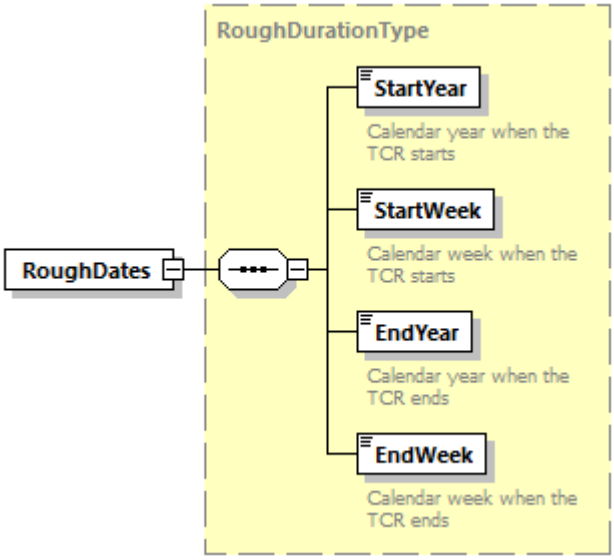
used by: complexType **ContinuousType**

source

```
<xs:complexType name="TCRTimeType">
  <xs:sequence>
    <xs:choice>
      <xs:element ref="ValidityPeriod"/>
      <xs:element name="RoughDates" type="RoughDurationType"/>
    </xs:choice>
  </xs:sequence>
```

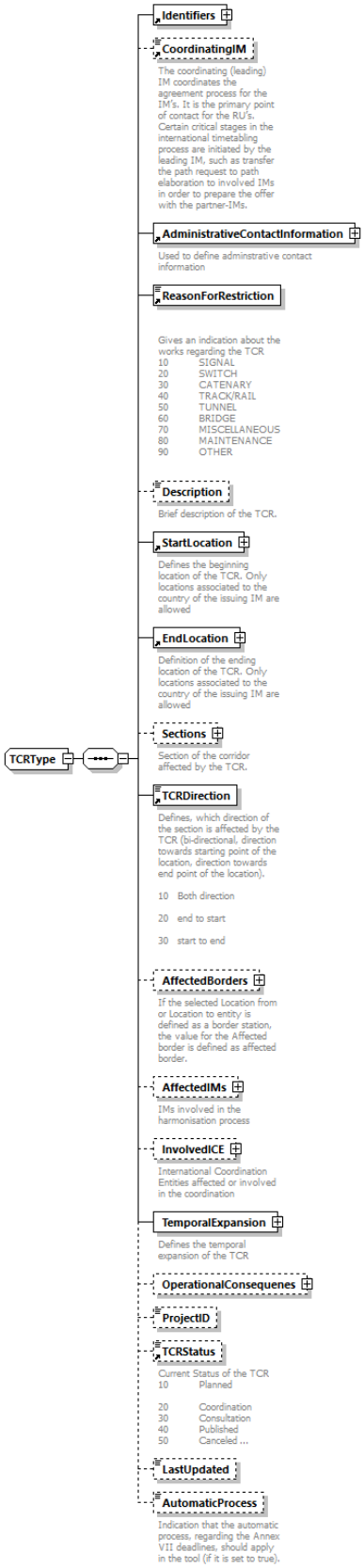
	`</xs:complexType>`

element **TCRTimeType/RoughDates**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**RoughDurationType**
properties	content complex
children	**StartYear** **StartWeek** **EndYear** **EndWeek**
source	`<xs:element name="RoughDates" type="RoughDurationType"/>`

complexType **TCRType**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**Identifiers** **CoordinatingIM** **AdministrativeContactInformation** **ReasonForRestriction** **Description** **StartLocation** **EndLocation** **Sections** **TCRDirection** **AffectedBorders** **AffectedIMs** **InvolvedICE** **TemporalExpansion** **OperationalConsequenes** **ProjectID** **TCRStatus** **LastUpdated** **AutomaticProcess**
used by	elements **TCRMessage/TCR** **CapacityProductMessage/TCRs**

source

```
<xs:complexType name="TCRType">
  <xs:sequence>
    <xs:element ref="Identifiers"/>
    <xs:element ref="CoordinatingIM" minOccurs="0"/>
    <xs:element ref="AdministrativeContactInformation"/>
    <xs:element ref="ReasonForRestriction"/>
    <xs:element name="Description" type="xs:string" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Brief description of the TCR.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element ref="StartLocation">
      <xs:annotation>
        <xs:documentation>Defines the beginning location of the TCR. Only locations
associated to the country of the issuing IM are allowed</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element ref="EndLocation">
      <xs:annotation>
        <xs:documentation>Definition of the ending location of the TCR. Only
locations associated to the country of the issuing IM are allowed</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="Sections" type="SectionsType" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Section of the corridor affected by the
TCR.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element ref="TCRDirection"/>
    <xs:element name="AffectedBorders" type="AffectedBordersType" minOccurs="0">
      <xs:annotation>
        <xs:documentation>If the selected Location from or Location to entity is
defined as a border station, the value for the Affected border is defined as affected
border.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="AffectedIMs" type="AffectedIMsType" minOccurs="0">
      <xs:annotation>
        <xs:documentation>IMs involved in the harmonisation
process</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="InvolvedICE" type="InvolvedICEsType" minOccurs="0">
      <xs:annotation>
        <xs:documentation>International Coordination Entities affected or involved
in the coordination</xs:documentation>
      </xs:annotation>
```

```
    </xs:element>
    <xs:element name="TemporalExpansion">
      <xs:annotation>
        <xs:documentation>Defines the temporal expansion of the
TCR</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:complexContent>
          <xs:extension base="TemporalExpansionType"/>
        </xs:complexContent>
      </xs:complexType>
    </xs:element>
    <xs:element name="OperationalConsequenes" type="OperationalConsequencesType"
minOccurs="0"/>
    <xs:element name="ProjectID" type="xs:string" minOccurs="0"/>
    <xs:element ref="TCRStatus" minOccurs="0"/>
    <xs:element name="LastUpdated" type="xs:dateTime" minOccurs="0"/>
    <xs:element name="AutomaticProcess" type="xs:boolean" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Indication that the automatic process, regarding the
Annex VII deadlines, should apply in the tool (if it is set to
true).</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

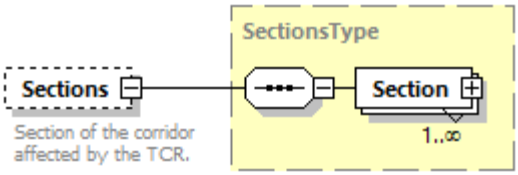
element **TCRType/Description**

diagram	Description Brief description of the TCR.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Brief description of the TCR.

source

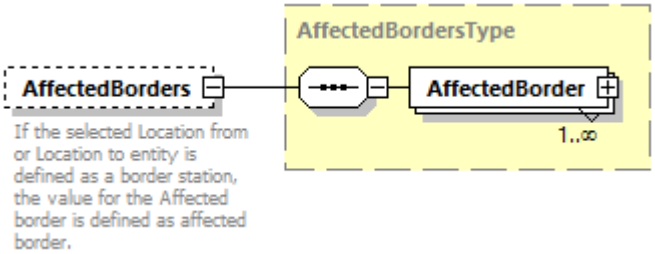
```
<xs:element name="Description" type="xs:string" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Brief description of the TCR.</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **TCRType/Sections**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**SectionsType**
properties	minOcc 0 maxOcc 1 content complex
children	**Section**
annotation	documentation Section of the corridor affected by the TCR.

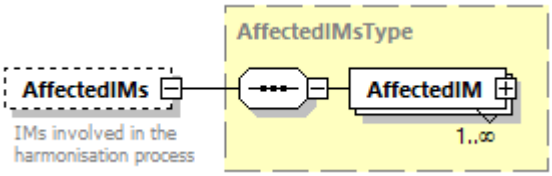
source	`<xs:element name="Sections" type="SectionsType" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Section of the corridor affected by the TCR.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TCRType/AffectedBorders**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**AffectedBordersType**
properties	minOcc 0 maxOcc 1 content complex
children	**AffectedBorder**
annotation	documentation If the selected Location from or Location to entity is defined as a border station, the value for the Affected border is defined as affected border.

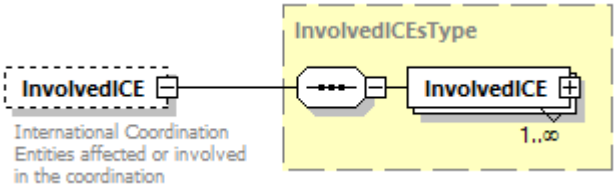
source	`<xs:element name="AffectedBorders" type="AffectedBordersType" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>If the selected Location from or Location to entity is defined as a border station, the value for the Affected border is defined as affected border.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TCRType/AffectedIMs**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**AffectedIMsType**
properties	minOcc 0 maxOcc 1 content complex
children	**AffectedIM**
annotation	documentation IMs involved in the harmonisation process

source	`<xs:element name="AffectedIMs" type="AffectedIMsType" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>IMs involved in the harmonisation process</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

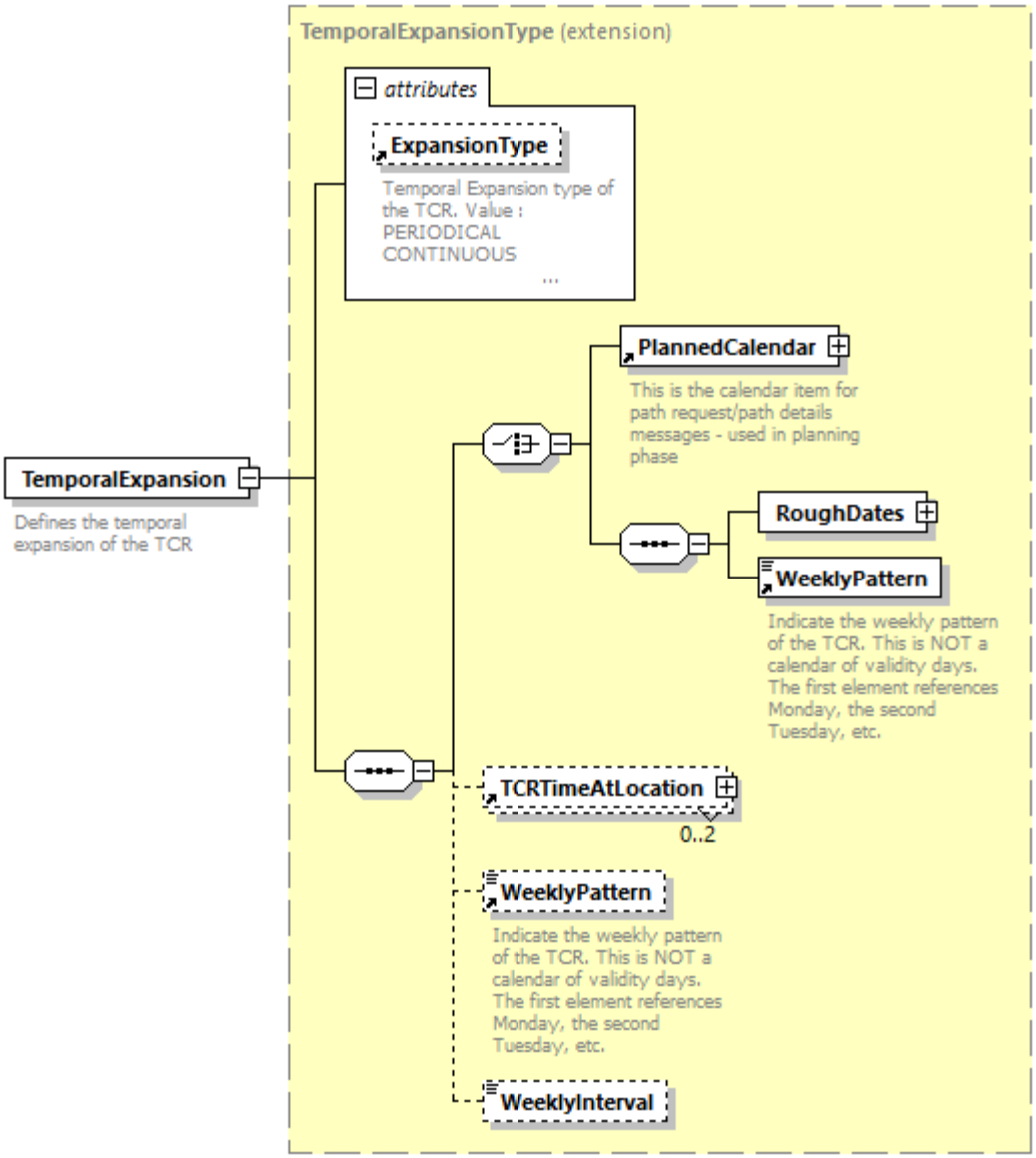
element **TCRType/InvolvedICE**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**InvolvedICEsType**
properties	minOcc 0 maxOcc 1 content complex
children	**InvolvedICE**
annotation	documentation International Coordination Entities affected or involved in the coordination

source	`<xs:element name="InvolvedICE" type="InvolvedICEsType" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>International Coordination Entities affected or involved in the coordination</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TCRType/TemporalExpansion**

diagram



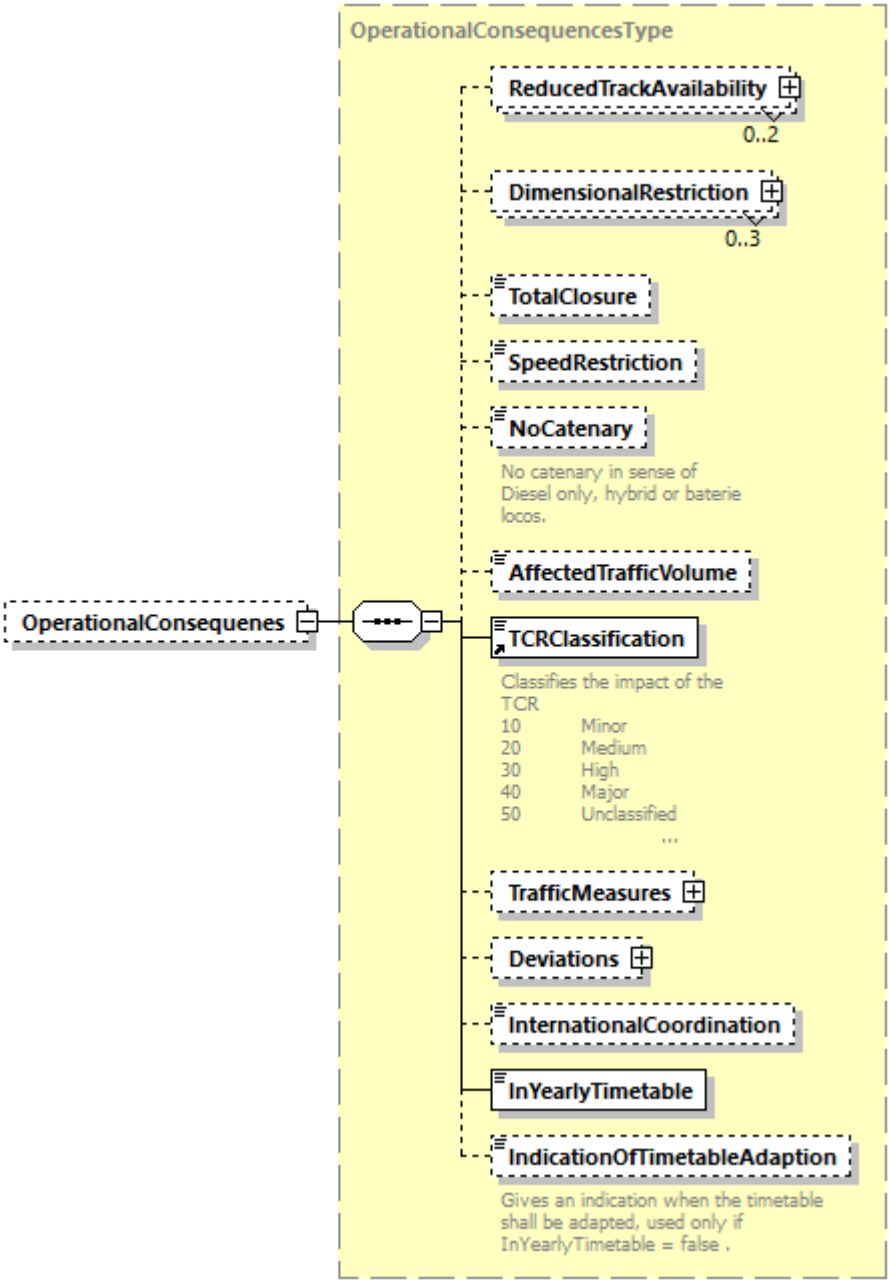
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	extension of **TemporalExpansionType**
properties	content complex
children	**PlannedCalendar** **RoughDates** **WeeklyPattern** **TCRTimeAtLocation** **WeeklyInterval**

attributes

Name	Type	Use	Default	Fixed	Annotation
ExpansionType	**derived by: xs:token**				documentation Temporal Expansion type of the TCR. Value : PERIODICAL CONTINUOUS

annotation	documentation Defines the temporal expansion of the TCR
source	<xs:element name="TemporalExpansion"> <xs:annotation> <xs:documentation>Defines the temporal expansion of the TCR</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="TemporalExpansionType"/> </xs:complexContent> </xs:complexType> </xs:element>

element **TCRType/OperationalConsequenes**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**OperationalConsequencesType**
properties	minOcc 0 maxOcc 1 content complex
children	**ReducedTrackAvailability** **DimensionalRestriction** **TotalClosure** **SpeedRestriction** **NoCatenary** **AffectedTrafficVolume** **TCRClassification** **TrafficMeasures** **Deviations** **InternationalCoordination** **InYearlyTimetable** **IndicationOfTimetableAdaption**
source	`<xs:element name="OperationalConsequenes" type="OperationalConsequencesType"`

	`minOccurs="0"/>`

element **TCRType/ProjectID**

diagram	ProjectID
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:string**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="ProjectID" type="xs:string" minOccurs="0"/>`

element **TCRType/LastUpdated**

diagram	LastUpdated
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:dateTime**
properties	minOcc 0 maxOcc 1 content simple
source	`<xs:element name="LastUpdated" type="xs:dateTime" minOccurs="0"/>`

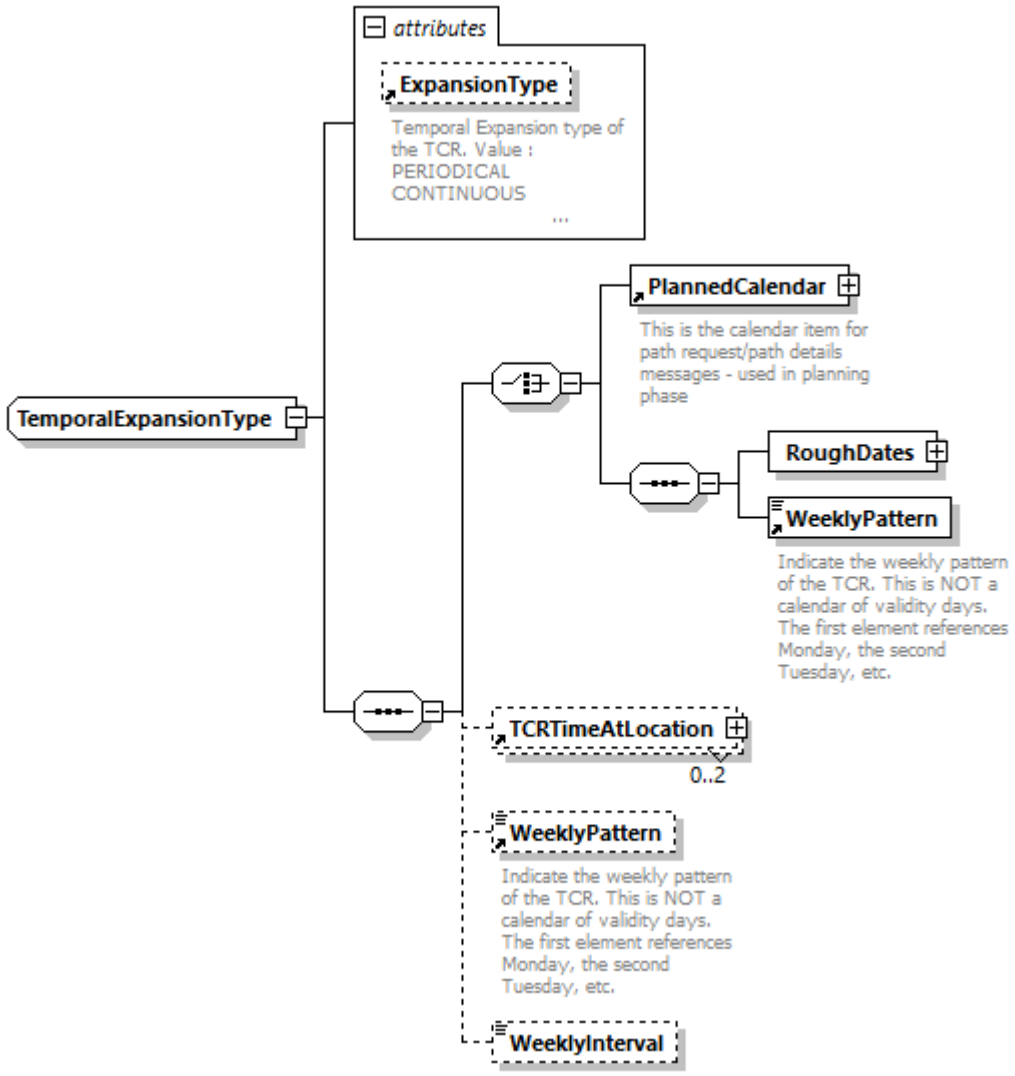
element **TCRType/AutomaticProcess**

diagram	AutomaticProcess Indication that the automatic process, regarding the Annex VII deadlines, should apply in the tool (if it is set to true).
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Indication that the automatic process, regarding the Annex VII deadlines, should apply in the tool (if it is set to true).

source	`<xs:element name="AutomaticProcess" type="xs:boolean" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Indication that the automatic process, regarding the Annex VII deadlines, should apply in the tool (if it is set to true).</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

complexType **TemporalExpansionType**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**PlannedCalendar** **RoughDates** **WeeklyPattern** **TCRTimeAtLocation** **WeeklyInterval**
used by	element **TCRType/TemporalExpansion**

attributes

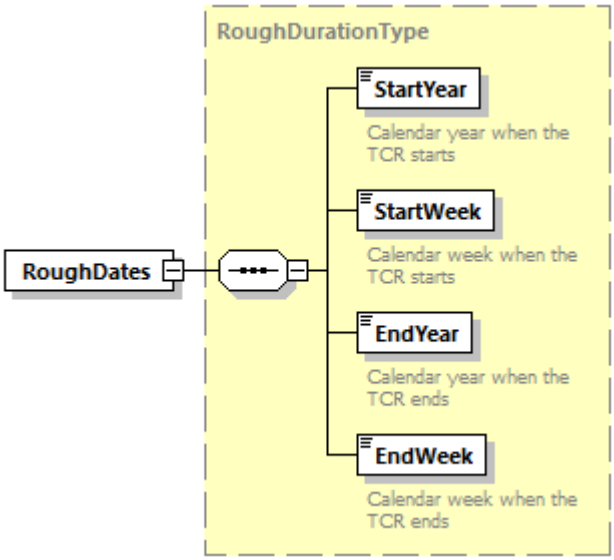
Name	Type	Use	Default	Fixed	Annotation
ExpansionType	**derived by: xs:token**				documentation Temporal Expansion type of the TCR. Value : PERIODICAL CONTINUOUS

source

```
<xs:complexType name="TemporalExpansionType">
  <xs:sequence>
```

```
    <xs:choice>
      <xs:element ref="PlannedCalendar"/>
      <xs:sequence>
        <xs:element name="RoughDates" type="RoughDurationType"/>
        <xs:element ref="WeeklyPattern"/>
      </xs:sequence>
    </xs:choice>
    <xs:element ref="TCRTimeAtLocation" minOccurs="0" maxOccurs="2"/>
    <xs:element ref="WeeklyPattern" minOccurs="0"/>
    <xs:element name="WeeklyInterval" type="xs:positiveInteger" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute ref="ExpansionType"/>
</xs:complexType>
```

element **TemporalExpansionType/RoughDates**

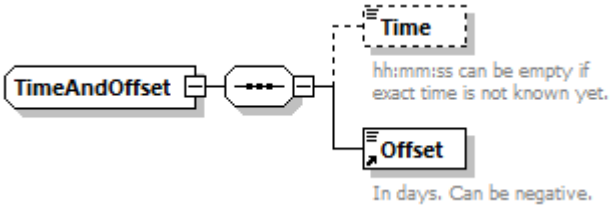
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**RoughDurationType**
properties	content complex
children	**StartYear** **StartWeek** **EndYear** **EndWeek**
source	`<xs:element name="RoughDates" type="RoughDurationType"/>`

element **TemporalExpansionType/WeeklyInterval**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:positiveInteger**
properties	minOcc 0

	maxOcc 1 content simple
source	`<xs:element name="WeeklyInterval" type="xs:positiveInteger" minOccurs="0"/>`

complexType **TimeAndOffset**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**Time** **Offset**
used by	elements **TCRTimeAtLocation/EndTime** **TCRTimeAtLocation/StartTime**

source	`<xs:complexType name="TimeAndOffset">`
	`  <xs:sequence>`
	`  <xs:element name="Time" type="xs:time" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>hh:mm:ss can be empty if exact time is not known yet.`
	`</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  <xs:element ref="Offset">`
	`  <xs:annotation>`
	`  <xs:documentation>In days. Can be negative.</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  </xs:sequence>`
	`</xs:complexType>`

element **TimeAndOffset/Time**

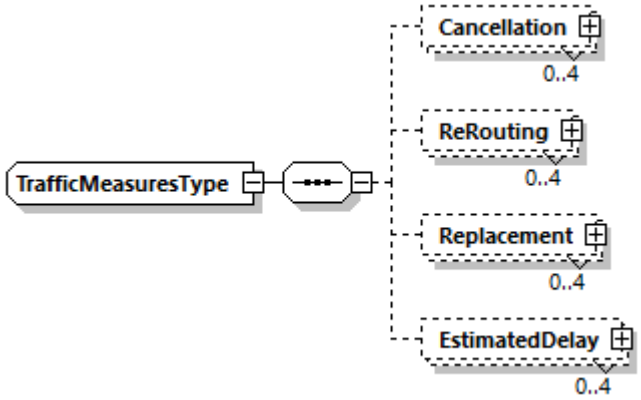
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:time**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation hh:mm:ss can be empty if exact time is not known yet.

source	`<xs:element name="Time" type="xs:time" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>hh:mm:ss can be empty if exact time is not known yet.`

```
</xs:documentation>
  </xs:annotation>
</xs:element>
```

complexType **TrafficMeasuresType**

diagram



namespace: http://www.era.europa.eu/schemes/TAFTSI/3.5

children: **Cancellation** **ReRouting** **Replacement** **EstimatedDelay**

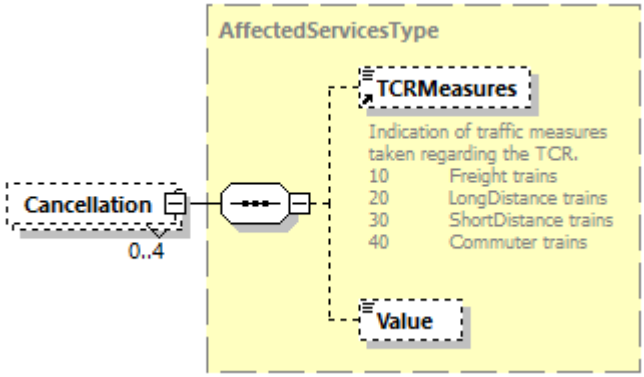
used by — elements: **OperationalConsequencesType/TrafficMeasures** **TCRSearchCriteria/TrafficMeasuresSearch**

source

```
<xs:complexType name="TrafficMeasuresType">
  <xs:sequence>
    <xs:element name="Cancellation" type="AffectedServicesType" minOccurs="0"
maxOccurs="4"/>
    <xs:element name="ReRouting" type="AffectedServicesType" minOccurs="0"
maxOccurs="4"/>
    <xs:element name="Replacement" type="AffectedServicesType" minOccurs="0"
maxOccurs="4"/>
    <xs:element name="EstimatedDelay" type="DelayType" minOccurs="0"
maxOccurs="4"/>
  </xs:sequence>
</xs:complexType>
```

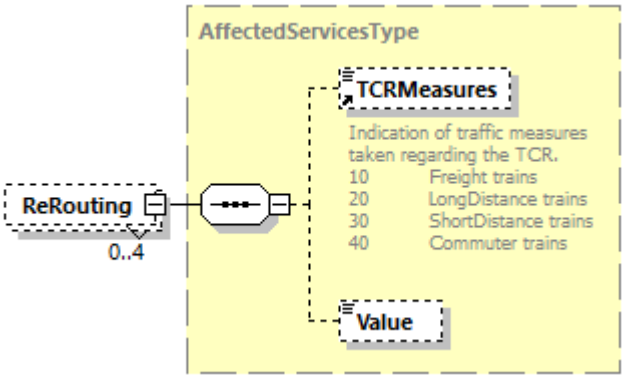
element **TrafficMeasuresType/Cancellation**

diagram

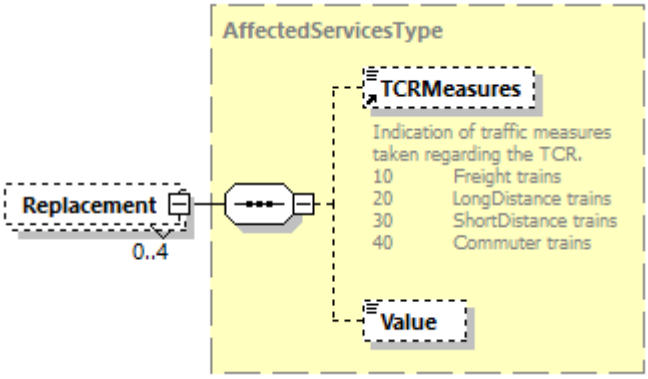


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**AffectedServicesType**
properties	minOcc 0 maxOcc 4 content complex
children	**TCRMeasures** **Value**
source	`<xs:element name="Cancellation" type="AffectedServicesType" minOccurs="0" maxOccurs="4"/>`

element **TrafficMeasuresType/ReRouting**

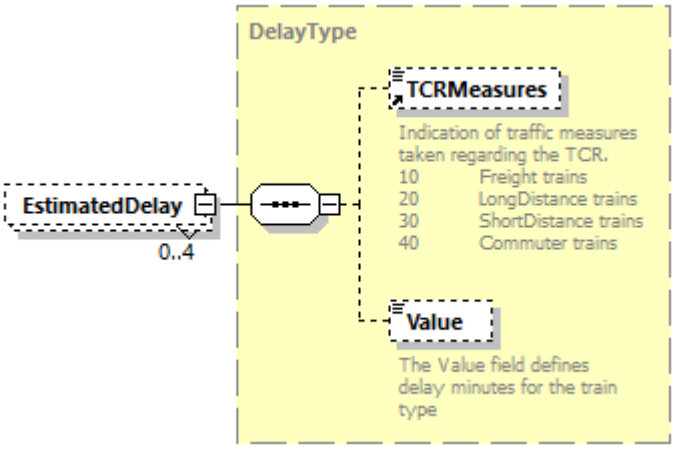
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**AffectedServicesType**
properties	minOcc 0 maxOcc 4 content complex
children	**TCRMeasures** **Value**
source	`<xs:element name="ReRouting" type="AffectedServicesType" minOccurs="0" maxOccurs="4"/>`

element **TrafficMeasuresType/Replacement**

diagram	

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**AffectedServicesType**
properties	minOcc 0 maxOcc 4 content complex
children	**TCRMeasures** **Value**
source	`<xs:element name="Replacement" type="AffectedServicesType" minOccurs="0" maxOccurs="4"/>`

element **TrafficMeasuresType/EstimatedDelay**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**DelayType**
properties	minOcc 0 maxOcc 4 content complex
children	**TCRMeasures** **Value**
source	`<xs:element name="EstimatedDelay" type="DelayType" minOccurs="0" maxOccurs="4"/>`

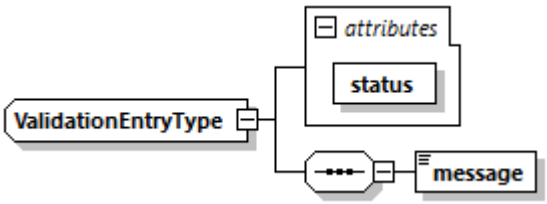
complexType **TrainActivityType**

diagram

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**TrainActivityType** **AssociatedAttachedTrainID** **AssociatedAttachedOTN** **AssociatedAttachedTrainServiceNumber** **AssociatedAttachedTimingAtLocation** **AssociatedAttachedLocationIdent** **FreeTextField**
used by	element **TrainActivity**

source	`<xs:complexType name="TrainActivityType">`
	`  <xs:sequence>`
	`  <xs:element ref="TrainActivityType"/>`
	`  <xs:element ref="AssociatedAttachedTrainID" minOccurs="0"/>`
	`  <xs:element ref="AssociatedAttachedOTN" minOccurs="0"/>`
	`  <xs:element ref="AssociatedAttachedTrainServiceNumber" minOccurs="0"/>`
	`  <xs:element ref="AssociatedAttachedTimingAtLocation" minOccurs="0"/>`
	`  <xs:element ref="AssociatedAttachedLocationIdent" minOccurs="0"/>`
	`  <xs:element ref="FreeTextField" minOccurs="0"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

complexType **ValidationEntryType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**message**
used by	elements **ImportResultType/DataValidation** **ImportResultType/SemanticValidation** **ImportResultType/SyntaxValidation**
attributes	Name: status Type: **TCRValidationStatusType** Use: required Default: Fixed: Annotation:

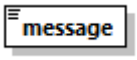
source	`<xs:complexType name="ValidationEntryType">`
	`  <xs:sequence>`
	`  <xs:element name="message" type="xs:string"/>`
	`  </xs:sequence>`
	`  <xs:attribute name="status" type="TCRValidationStatusType" use="required"/>`
	`</xs:complexType>`

attribute **ValidationEntryType/@status**

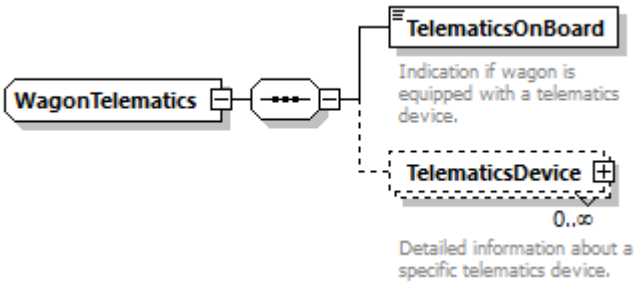
type	**TCRValidationStatusType**
properties	use required
facets	Kind: enumeration, Value: PASSED Kind: enumeration, Value: INFO Kind: enumeration, Value: WARNING Kind: enumeration, Value: FAILED Annotation:

	enumeration SKIPPED
source	`<xs:attribute name="status" type="TCRValidationStatusType" use="required"/>`

element **ValidationEntryType/message**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:string**
properties	content simple
source	`<xs:element name="message" type="xs:string"/>`

complexType **WagonTelematics**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
children	**TelematicsOnBoard** **TelematicsDevice**
used by	element **RollingStockDataset/DesignDataSet/WagonTelematics**

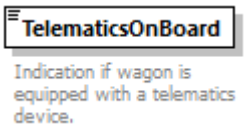
source

```
<xs:complexType name="WagonTelematics">
  <xs:sequence>
    <xs:element name="TelematicsOnBoard" type="xs:boolean">
      <xs:annotation>
        <xs:documentation xml:lang="en">Indication if wagon is equipped with a
telematics device.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="TelematicsDevice" minOccurs="0" maxOccurs="unbounded">
      <xs:annotation>
        <xs:documentation xml:lang="en">Detailed information about a specific
telematics device.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element name="DeviceType">
            <xs:annotation>
              <xs:documentation xml:lang="en">Specification of type of telematics
device.</xs:documentation>
            </xs:annotation>
```

```
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:enumeration value="Telematics Unit"/>
                <xs:enumeration value="Sensor"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="ComponentMounted" minOccurs="0">
            <xs:annotation>
              <xs:documentation xml:lang="en">Indication of the component to which
the telematics unit is attached.</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:enumeration value="Superstructure"/>
                <xs:enumeration value="Tank"/>
                <xs:enumeration value="End wall"/>
                <xs:enumeration value="Side wall"/>
                <xs:enumeration value="Marking plate"/>
                <xs:enumeration value="Frame"/>
                <xs:enumeration value="Headstock"/>
                <xs:enumeration value="Saddle plate"/>
                <xs:enumeration value="Longitudinal beam"/>
                <xs:enumeration value="Latitudinal beam"/>
                <xs:enumeration value="Hitch"/>
                <xs:enumeration value="Bogie"/>
                <xs:enumeration value="Axle"/>
                <xs:enumeration value="Axle box"/>
                <xs:enumeration value="Lift off protection"/>
                <xs:enumeration value="Brake system"/>
                <xs:enumeration value="Brake blocks"/>
                <xs:enumeration value="Air pipes"/>
                <xs:enumeration value="Brake valves"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="MountedPosition" minOccurs="0" maxOccurs="unbounded">
            <xs:annotation>
              <xs:documentation xml:lang="en">Indication of where the telematics
unit is located on the component.</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:enumeration value="Side"/>
                <xs:enumeration value="Top"/>
                <xs:enumeration value="Bottom"/>
                <xs:enumeration value="Inside"/>
                <xs:enumeration value="Left"/>
                <xs:enumeration value="Right"/>
                <xs:enumeration value="Center"/>
                <xs:enumeration value="Below isolation"/>
                <xs:enumeration value="Hand brake end"/>
                <xs:enumeration value="Non brake end"/>
                <xs:enumeration value="1"/>
                <xs:enumeration value="2"/>
```

```
                <xs:enumeration value="3"/>
                <xs:enumeration value="4"/>
                <xs:enumeration value="5"/>
                <xs:enumeration value="6"/>
                <xs:enumeration value="7"/>
                <xs:enumeration value="8"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="ManufacturerName" minOccurs="0">
            <xs:annotation>
              <xs:documentation xml:lang="en">Name of the manufacturer of the
telematics device.</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:maxLength value="255"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="ATEXCertified" type="xs:boolean" minOccurs="0">
            <xs:annotation>
              <xs:documentation xml:lang="en">Indication if the telematics device
is ATEX certified.</xs:documentation>
            </xs:annotation>
          </xs:element>
          <xs:element name="ATEXLevel" minOccurs="0" maxOccurs="2">
            <xs:annotation>
              <xs:documentation xml:lang="en">Indication of ATEX level (gas and
dust if applicable) based on ATEX/IECEx standard; e.g.: II 2G Ex ib IIB T4 Gb or II
2D Ex ib IIIC T135°C Db.</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:maxLength value="50"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

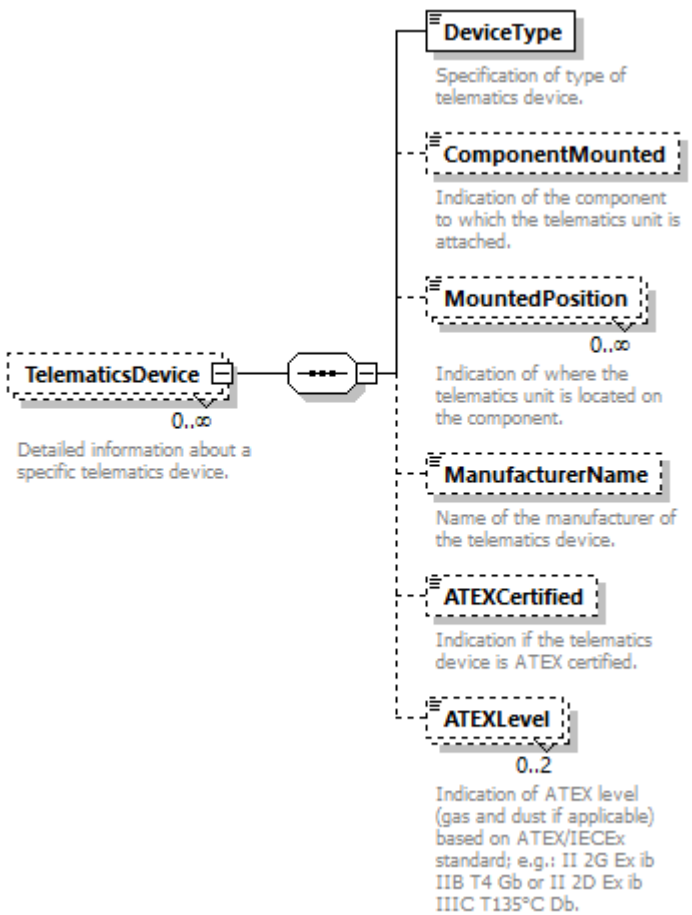
element **WagonTelematics/TelematicsOnBoard**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**

properties	content simple
annotation	documentation Indication if wagon is equipped with a telematics device.

source	`<xs:element name="TelematicsOnBoard" type="xs:boolean">`
	`  <xs:annotation>`
	`  <xs:documentation xml:lang="en">Indication if wagon is equipped with a telematics device.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **WagonTelematics/TelematicsDevice**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
properties	minOcc 0 maxOcc unbounded content complex
children	**DeviceType** **ComponentMounted** **MountedPosition** **ManufacturerName** **ATEXCertified** **ATEXLevel**
annotation	documentation Detailed information about a specific telematics device.

source	`<xs:element name="TelematicsDevice" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:annotation>`
	`  <xs:documentation xml:lang="en">Detailed information about a specific`

```
telematics device.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="DeviceType">
        <xs:annotation>
          <xs:documentation xml:lang="en">Specification of type of telematics
device.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:enumeration value="Telematics Unit"/>
            <xs:enumeration value="Sensor"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ComponentMounted" minOccurs="0">
        <xs:annotation>
          <xs:documentation xml:lang="en">Indication of the component to which the
telematics unit is attached.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:enumeration value="Superstructure"/>
            <xs:enumeration value="Tank"/>
            <xs:enumeration value="End wall"/>
            <xs:enumeration value="Side wall"/>
            <xs:enumeration value="Marking plate"/>
            <xs:enumeration value="Frame"/>
            <xs:enumeration value="Headstock"/>
            <xs:enumeration value="Saddle plate"/>
            <xs:enumeration value="Longitudinal beam"/>
            <xs:enumeration value="Latitudinal beam"/>
            <xs:enumeration value="Hitch"/>
            <xs:enumeration value="Bogie"/>
            <xs:enumeration value="Axle"/>
            <xs:enumeration value="Axle box"/>
            <xs:enumeration value="Lift off protection"/>
            <xs:enumeration value="Brake system"/>
            <xs:enumeration value="Brake blocks"/>
            <xs:enumeration value="Air pipes"/>
            <xs:enumeration value="Brake valves"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="MountedPosition" minOccurs="0" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation xml:lang="en">Indication of where the telematics unit
is located on the component.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:enumeration value="Side"/>
            <xs:enumeration value="Top"/>
            <xs:enumeration value="Bottom"/>
```

```
            <xs:enumeration value="Inside"/>
            <xs:enumeration value="Left"/>
            <xs:enumeration value="Right"/>
            <xs:enumeration value="Center"/>
            <xs:enumeration value="Below isolation"/>
            <xs:enumeration value="Hand brake end"/>
            <xs:enumeration value="Non brake end"/>
            <xs:enumeration value="1"/>
            <xs:enumeration value="2"/>
            <xs:enumeration value="3"/>
            <xs:enumeration value="4"/>
            <xs:enumeration value="5"/>
            <xs:enumeration value="6"/>
            <xs:enumeration value="7"/>
            <xs:enumeration value="8"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ManufacturerName" minOccurs="0">
        <xs:annotation>
          <xs:documentation xml:lang="en">Name of the manufacturer of the
telematics device.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="255"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ATEXCertified" type="xs:boolean" minOccurs="0">
        <xs:annotation>
          <xs:documentation xml:lang="en">Indication if the telematics device is
ATEX certified.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="ATEXLevel" minOccurs="0" maxOccurs="2">
        <xs:annotation>
          <xs:documentation xml:lang="en">Indication of ATEX level (gas and dust if
applicable) based on ATEX/IECEx standard; e.g.: II 2G Ex ib IIB T4 Gb or II 2D Ex
ib IIIC T135°C Db.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="50"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonTelematics/TelematicsDevice/DeviceType**

diagram	**DeviceType** Specification of type of telematics device.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	content simple
facets	Kind / Value / Annotation enumeration: Telematics Unit enumeration: Sensor
annotation	documentation Specification of type of telematics device.

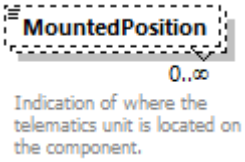
source	`<xs:element name="DeviceType">`
	`  <xs:annotation>`
	`  <xs:documentation xml:lang="en">Specification of type of telematics device.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:enumeration value="Telematics Unit"/>`
	`  <xs:enumeration value="Sensor"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **WagonTelematics/TelematicsDevice/ComponentMounted**

diagram	**ComponentMounted** Indication of the component to which the telematics unit is attached.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation enumeration: Superstructure enumeration: Tank enumeration: End wall enumeration: Side wall enumeration: Marking plate enumeration: Frame enumeration: Headstock enumeration: Saddle plate enumeration: Longitudinal beam

	enumeration Latitudinal beam enumeration Hitch enumeration Bogie enumeration Axle enumeration Axle box enumeration Lift off protection enumeration Brake system enumeration Brake blocks enumeration Air pipes enumeration Brake valves
annotation	documentation Indication of the component to which the telematics unit is attached.
source	<xs:element name="ComponentMounted" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="en">Indication of the component to which the telematics unit is attached.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="Superstructure"/> <xs:enumeration value="Tank"/> <xs:enumeration value="End wall"/> <xs:enumeration value="Side wall"/> <xs:enumeration value="Marking plate"/> <xs:enumeration value="Frame"/> <xs:enumeration value="Headstock"/> <xs:enumeration value="Saddle plate"/> <xs:enumeration value="Longitudinal beam"/> <xs:enumeration value="Latitudinal beam"/> <xs:enumeration value="Hitch"/> <xs:enumeration value="Bogie"/> <xs:enumeration value="Axle"/> <xs:enumeration value="Axle box"/> <xs:enumeration value="Lift off protection"/> <xs:enumeration value="Brake system"/> <xs:enumeration value="Brake blocks"/> <xs:enumeration value="Air pipes"/> <xs:enumeration value="Brake valves"/> </xs:restriction> </xs:simpleType> </xs:element>

element **WagonTelematics/TelematicsDevice/MountedPosition**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5

type	restriction of **xs:string**
properties	minOcc 0 maxOcc unbounded content simple
facets	Kind / Value / Annotation enumeration Side enumeration Top enumeration Bottom enumeration Inside enumeration Left enumeration Right enumeration Center enumeration Below isolation enumeration Hand brake end enumeration Non brake end enumeration 1 enumeration 2 enumeration 3 enumeration 4 enumeration 5 enumeration 6 enumeration 7 enumeration 8
annotation	documentation Indication of where the telematics unit is located on the component.

source

```
<xs:element name="MountedPosition" minOccurs="0" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation xml:lang="en">Indication of where the telematics unit is
located on the component.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="Side"/>
      <xs:enumeration value="Top"/>
      <xs:enumeration value="Bottom"/>
      <xs:enumeration value="Inside"/>
      <xs:enumeration value="Left"/>
      <xs:enumeration value="Right"/>
      <xs:enumeration value="Center"/>
      <xs:enumeration value="Below isolation"/>
      <xs:enumeration value="Hand brake end"/>
      <xs:enumeration value="Non brake end"/>
      <xs:enumeration value="1"/>
      <xs:enumeration value="2"/>
      <xs:enumeration value="3"/>
      <xs:enumeration value="4"/>
      <xs:enumeration value="5"/>
      <xs:enumeration value="6"/>
      <xs:enumeration value="7"/>
      <xs:enumeration value="8"/>
    </xs:restriction>
```

```
  </xs:simpleType>
</xs:element>
```

element **WagonTelematics/TelematicsDevice/ManufacturerName**

diagram	ManufacturerName Name of the manufacturer of the telematics device.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 255
annotation	documentation Name of the manufacturer of the telematics device.

source

```
<xs:element name="ManufacturerName" minOccurs="0">
  <xs:annotation>
    <xs:documentation xml:lang="en">Name of the manufacturer of the telematics
device.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="255"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

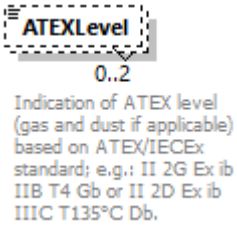
element **WagonTelematics/TelematicsDevice/ATEXCertified**

diagram	ATEXCertified Indication if the telematics device is ATEX certified.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Indication if the telematics device is ATEX certified.

source

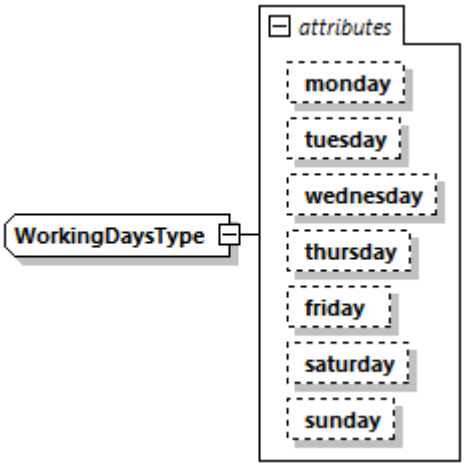
```
<xs:element name="ATEXCertified" type="xs:boolean" minOccurs="0">
  <xs:annotation>
    <xs:documentation xml:lang="en">Indication if the telematics device is ATEX
certified.</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **WagonTelematics/TelematicsDevice/ATEXLevel**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 2 content simple
facets	Kind Value Annotation maxLength 50
annotation	documentation Indication of ATEX level (gas and dust if applicable) based on ATEX/IECEx standard; e.g.: II 2G Ex ib IIB T4 Gb or II 2D Ex ib IIIC T135°C Db.

source	`<xs:element name="ATEXLevel" minOccurs="0" maxOccurs="2">`
	`  <xs:annotation>`
	`  <xs:documentation xml:lang="en">Indication of ATEX level (gas and dust if applicable) based on ATEX/IECEx standard; e.g.: II 2G Ex ib IIB T4 Gb or II 2D Ex ib IIIC T135°C Db.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="50"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

complexType **WorkingDaysType**

diagram	

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
attributes	

Name	Type	Use	Default	Fixed	Annotation
monday	**xs:boolean**				
tuesday	**xs:boolean**				
wednesday	**xs:boolean**				
thursday	**xs:boolean**				
friday	**xs:boolean**				
saturday	**xs:boolean**				
sunday	**xs:boolean**				

source

```
<xs:complexType name="WorkingDaysType">
  <xs:attribute name="monday" type="xs:boolean"/>
  <xs:attribute name="tuesday" type="xs:boolean"/>
  <xs:attribute name="wednesday" type="xs:boolean"/>
  <xs:attribute name="thursday" type="xs:boolean"/>
  <xs:attribute name="friday" type="xs:boolean"/>
  <xs:attribute name="saturday" type="xs:boolean"/>
  <xs:attribute name="sunday" type="xs:boolean"/>
</xs:complexType>
```

attribute **WorkingDaysType/@monday**

type	**xs:boolean**
source	`<xs:attribute name="monday" type="xs:boolean"/>`

attribute **WorkingDaysType/@tuesday**

type	**xs:boolean**
source	`<xs:attribute name="tuesday" type="xs:boolean"/>`

attribute **WorkingDaysType/@wednesday**

type	**xs:boolean**
source	`<xs:attribute name="wednesday" type="xs:boolean"/>`

attribute **WorkingDaysType/@thursday**

type	**xs:boolean**
source	`<xs:attribute name="thursday" type="xs:boolean"/>`

attribute **WorkingDaysType/@friday**

type	**xs:boolean**
source	`<xs:attribute name="friday" type="xs:boolean"/>`

attribute **WorkingDaysType/@saturday**

type	**xs:boolean**
source	`<xs:attribute name="saturday" type="xs:boolean"/>`

attribute **WorkingDaysType/@sunday**

type	**xs:boolean**
source	`<xs:attribute name="sunday" type="xs:boolean"/>`

simpleType **BitmapWeek**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string
used by	element **WeeklyPattern**
facets	Kind / Value / Annotation minLength 7 maxLength 7 pattern [0-1]{7}
annotation	documentation bitmap for a typical week starting on Monday

source	`<xs:simpleType name="BitmapWeek">`
	`  <xs:annotation>`
	`  <xs:documentation>bitmap for a typical week starting on Monday</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="7"/>`
	`  <xs:maxLength value="7"/>`
	`  <xs:pattern value="[0-1]{7}"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **CauseCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Numeric4-4**
properties	base Numeric4-4
used by	element **CauseType**
facets	Kind / Value / Annotation minInclusive 0001 maxInclusive 9999

annotation	documentation Cause of a damage or restriction
source	<xs:simpleType name="CauseCode">…</xs:simpleType>

```
<xs:simpleType name="CauseCode">
  <xs:annotation>
    <xs:documentation>Cause of a damage or restriction</xs:documentation>
  </xs:annotation>
  <xs:restriction base="Numeric4-4"/>
</xs:simpleType>
```

simpleType **CommunicationRefID**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string
used by	elements **eMail** **FaxNumber** **PhoneNumber** **TrainContactDetails**
facets	Kind Value Annotation minLength 1 maxLength 70
annotation	documentation Identifier for communications contact reference (i.e. fax number, phone number, e-mail, URL)
source	<xs:simpleType name="CommunicationRefID">…</xs:simpleType>

```
<xs:simpleType name="CommunicationRefID">
  <xs:annotation>
    <xs:documentation>Identifier for communications contact reference (i.e. fax
number, phone number, e-mail, URL)</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:string">
    <xs:maxLength value="70"/>
    <xs:minLength value="1"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **CompanyCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **String4-4**
properties	base String4-4
used by	elements **AllocationCompany** **RID_Checking/CheckingBody/BodyID** **ConsignmentOrderMessage/COMS/COM/AcceptancePoint/CarrierCode** **ConsignmentOrderMessage/COMS/COM/CommercialSpecifications/CarrierCode** **Wagons/WagonDetails/FormalReports/CarrierCode** **Wagons/WagonDetails/Examination/CarrierCode** **ConsignmentOrderMessage/COMS/COM/Carriers/CarrierCode** **ConsignmentOrderMessage/COMS/COM/LeadCarrier/CarrierCode** **Company** **AffectedIMType/CompanyCode** **CoordinatingIM** **ConsignmentOrderMessage/COMS/COM/RU_Declarations/RU_Declaration/DeclaringRU** **TrainOrCoachGroupComposition/Unit/ItineraryOfCoachOrTrainset/OriginOfVehicle/ForwardingRU** **IM_Partner** **ImpactedRU** **ConsignmentOrderMessage/COMS/COM/SectionalInvoicing/Section/InvoicingCarrierCode** **Keeper** **LeadRU** **NextResponsibleRU** **PreviousResponsibleRU**

	ConsignmentOrderMessage/COMS/COM/CustomsData/PrincipalRU ConsignmentOrderMessage/COMS/COM_Header/ReceivingRU Recipient WagonStatusMessages/WagonStatusMessage/ReportingRU ResponsibleApplicant ConsignmentOrderMessage/COMS/COM/Carriers/ResponsibleCarrierCode ResponsibleIM ResponsibleRU WagonStatusMessages/WagonStatusMessage/CarriersInvolved/Carrier/RU RU_Partner ConsignmentOrderMessage/COMS/COM/SectionalInvoicing/Section/InvoicedSection/SectionCarrierCode Sender ConsignmentOrderMessage/COMS/COM_Header/SendingRU WagonStatusMessages/WagonStatusMessage/ConsignmentIdentification/ControlLabel/ShippingCarrier TrafficType/TrafficTypeNetwork WagonStatusMessages/WagonStatusMessage/Train/TrainOperatingRU TransfereeIM UserRU
facets	Kind / Value / Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Identifies the RU, IM or other company involved in the Rail Transport Chain

source	`<xs:simpleType name="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the RU, IM or other company involved in the Rail Transport Chain</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="String4-4">`
	`  <xs:pattern value="[0-9A-Z]{4}"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **ConsignmentTypeCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	base xs:token
facets	Kind / Value / Annotation enumeration CIM documentation CIM Convention Internationale Marchandises (OTIF) Source: CIM (OTIF) enumeration Other
annotation	documentation Identifies the type of a waybill.

source	`<xs:simpleType name="ConsignmentTypeCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the type of a waybill.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:token">`
	`  <xs:enumeration value="CIM">`
	`  <xs:annotation>`
	`  <xs:documentation>CIM Convention Internationale Marchandises (OTIF) Source: CIM (OTIF)</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:enumeration>`
	`  <xs:enumeration value="Other"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **CountryIdentISO**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string
used by	elements **WagonPerformanceMessage/PerformanceData/Country** **Customers/Country** **ConsignmentOrderMessage/COMS/COM/SectionalInvoicing/Section/InvoicedSection/CountryCode** **ConsignmentOrderMessage/COMS/COM/Carriers/CountryCode** **ConsignmentOrderMessage/COMS/COM/LeadCarrier/CountryCode** **CountryCodeISO** **ILU_Details/DepartureCountry** **ITU_Details/DepartureCountry** **RollingStockDataset/DesignDataSet/LoadTable/LoadTableCountry** **RollingStockDataset/AdministrativeDataSet/MultilateralAuthorisationCountries** **OriginCountry** **RollingStockDataset/AdministrativeDataSet/QuieterRoutesExemptionCountry** **RollingStockDataset/AdministrativeDataSet/RegistrationCountry** **UltimateDestinationCountry**
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation ISO 3166-1 alpha code (2 positions)

source	`<xs:simpleType name="CountryIdentISO">`
	`  <xs:annotation>`
	`  <xs:documentation>ISO 3166-1 alpha code (2 positions)</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="2"/>`
	`  <xs:maxLength value="2"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **CurrencyCode_Type**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string
used by	elements **ConsignmentOrderMessage/COMS/COM/DeclarationOfValue/CurrencyCode** **ConsignmentOrderMessage/COMS/COM/InterestInDelivery/CurrencyCode** **ConsignmentOrderMessage/COMS/COM/CashOnDelivery/CurrencyCode** **ConsignmentOrderMessage/COMS/COM/ChargingSections/CurrencyCode**
facets	Kind Value Annotation pattern [A-Z][A-Z][A-Z]
annotation	documentation CODE: ISO Currency code (ISO-4217)

source	`<xs:simpleType name="CurrencyCode_Type">`
	`  <xs:annotation>`
	`  <xs:documentation>CODE: ISO Currency code (ISO-4217)</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:string">`
	`  <xs:pattern value="[A-Z][A-Z][A-Z]"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **DelayCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	base xs:token
used by	elements **DelayCause** **InterruptionReason** **ModificationReason**
facets	Kind Value Annotation enumeration 11 documentation Formation of trains if managed by infrastructure manager enumeration 10 documentation Timetable compilation enumeration 12 documentation Mistakes in operational procedures enumeration 13 documentation Wrong application of priority rules enumeration 14 enumeration 18 documentation Staff enumeration 19 documentation Other causes related to the operational planning and management enumeration 20 documentation Signalling installations enumeration 21 documentation Signalling installations at level crossings enumeration 22 documentation Telecommunication installations enumeration 23 documentation Power supply equipment enumeration 24 documentation Track enumeration 25 documentation Structures enumeration 28 documentation Staff enumeration 29 documentation Other causes related to infrastructure installations enumeration 31 documentation Irregularities in execution of construction work enumeration 30 documentation Planned construction work enumeration 32 documentation Speed restrictions due to defective track enumeration 39 documentation Other causes related to Civil engineering enumeration 40 documentation Delay caused by next IM enumeration 41 documentation Delay caused by previous IM enumeration 50 documentation exceeding the stop time enumeration 51 documentation Request of the RU enumeration 52 documentation Loading operations enumeration 53 documentation

			Loading irregularities
	enumeration	54	documentation
			Commercial preparation of the train
	enumeration	58	documentation
			Staff
	enumeration	59	documentation
			Other causes related to commercial causes
	enumeration	60	documentation
			Roster planning/re-rostering
	enumeration	61	documentation
			Formation of trains by the RU
	enumeration	62	documentation
			Problems affecting coaches
	enumeration	63	documentation
			Problems affecting wagons
	enumeration	64	documentation
			Problems affecting traction units
	enumeration	68	documentation
			Staff
	enumeration	69	documentation
			Other causes related to Rolling Stock
	enumeration	70	documentation
			Delay caused by next RU
	enumeration	71	documentation
			Delay caused by previous RU
	enumeration	80	documentation
			Strike
	enumeration	81	documentation
			Administrative formalites
	enumeration	82	documentation
			Outside influence
	enumeration	83	documentation
			Effects of weather and natural causes
	enumeration	84	documentation
			Delay caused by external reasons on the next network
	enumeration	89	documentation
			Other external causes
	enumeration	90	documentation
			Dangerous incidents, accidents and hazards
	enumeration	91	documentation
			Track occupation caused by the lateness of the same train
	enumeration	92	documentation
			Track occupation caused by the lateness of another train
	enumeration	93	documentation
			Turn round
	enumeration	94	documentation
			Connection
	enumeration	95	documentation
			Further investigation needed
annotation	documentation Reason for a delay or interruption. UIC Leaflet 450-2, Appendix C.		
source			

```
<xs:simpleType name="DelayCode">
  <xs:annotation>
    <xs:documentation>Reason for a delay or interruption.  UIC Leaflet 450-2,
Appendix C.</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:token">
    <xs:enumeration value="11">
      <xs:annotation>
```

```
        <xs:documentation>Formation of trains if managed by infrastructure
manager</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="10">
      <xs:annotation>
        <xs:documentation>Timetable compilation</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="12">
      <xs:annotation>
        <xs:documentation>Mistakes in operational procedures</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="13">
      <xs:annotation>
        <xs:documentation>Wrong application of priority rules</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="14"/>
    <xs:enumeration value="18">
      <xs:annotation>
        <xs:documentation>Staff</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="19">
      <xs:annotation>
        <xs:documentation>Other causes related to the operational planning and
management</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="20">
      <xs:annotation>
        <xs:documentation>Signalling installations</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="21">
      <xs:annotation>
        <xs:documentation>Signalling installations at level
crossings</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="22">
      <xs:annotation>
        <xs:documentation>Telecommunication installations</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="23">
      <xs:annotation>
        <xs:documentation>Power supply equipment</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="24">
      <xs:annotation>
        <xs:documentation>Track</xs:documentation>
```

```
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="25">
      <xs:annotation>
        <xs:documentation>Structures</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="28">
      <xs:annotation>
        <xs:documentation>Staff</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="29">
      <xs:annotation>
        <xs:documentation>Other causes related to infrastructure
installations</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="31">
      <xs:annotation>
        <xs:documentation>Irregularities in execution of construction
work</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="30">
      <xs:annotation>
        <xs:documentation>Planned construction work</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="32">
      <xs:annotation>
        <xs:documentation>Speed restrictions due to defective
track</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="39">
      <xs:annotation>
        <xs:documentation>Other causes related to Civil
engineering</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="40">
      <xs:annotation>
        <xs:documentation>Delay caused by next IM</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="41">
      <xs:annotation>
        <xs:documentation>Delay caused by previous IM</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="50">
      <xs:annotation>
        <xs:documentation>exceeding the stop time</xs:documentation>
      </xs:annotation>
```

```
    </xs:enumeration>
    <xs:enumeration value="51">
      <xs:annotation>
        <xs:documentation>Request of the RU</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="52">
      <xs:annotation>
        <xs:documentation>Loading operations</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="53">
      <xs:annotation>
        <xs:documentation>Loading irregularities</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="54">
      <xs:annotation>
        <xs:documentation>Commercial preparation of the train</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="58">
      <xs:annotation>
        <xs:documentation>Staff</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="59">
      <xs:annotation>
        <xs:documentation>Other causes related to commercial
causes</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="60">
      <xs:annotation>
        <xs:documentation>Roster planning/re-rostering</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="61">
      <xs:annotation>
        <xs:documentation>Formation of trains by the RU</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="62">
      <xs:annotation>
        <xs:documentation>Problems affecting coaches</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="63">
      <xs:annotation>
        <xs:documentation>Problems affecting wagons</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="64">
      <xs:annotation>
        <xs:documentation>Problems affecting traction units</xs:documentation>
```

```
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="68">
      <xs:annotation>
        <xs:documentation>Staff</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="69">
      <xs:annotation>
        <xs:documentation>Other causes related to Rolling Stock</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="70">
      <xs:annotation>
        <xs:documentation>Delay caused by next RU</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="71">
      <xs:annotation>
        <xs:documentation>Delay caused by previous RU</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="80">
      <xs:annotation>
        <xs:documentation>Strike</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="81">
      <xs:annotation>
        <xs:documentation>Administrative formalites</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="82">
      <xs:annotation>
        <xs:documentation>Outside influence</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="83">
      <xs:annotation>
        <xs:documentation>Effects of weather and natural causes</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="84">
      <xs:annotation>
        <xs:documentation>Delay caused by external reasons on the next
network</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="89">
      <xs:annotation>
        <xs:documentation>Other external causes</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="90">
      <xs:annotation>
```

```
        <xs:documentation>Dangerous incidents, accidents and
hazards</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="91">
      <xs:annotation>
        <xs:documentation>Track occupation caused by the lateness of the same
train</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="92">
      <xs:annotation>
        <xs:documentation>Track occupation caused by the lateness of another
train</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="93">
      <xs:annotation>
        <xs:documentation>Turn round</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="94">
      <xs:annotation>
        <xs:documentation>Connection</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="95">
      <xs:annotation>
        <xs:documentation>Further investigation needed</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
  </xs:restriction>
</xs:simpleType>
```

simpleType **DeltaTime**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string
used by	elements **AgainstBooked** **AgainstReferenced**
facets	Kind Value Annotation length 5
annotation	documentation Time difference delay (+) or ahead of schedule (-) this shall be 1character + 4 Numeric

```
source
<xs:simpleType name="DeltaTime">
  <xs:annotation>
    <xs:documentation>Time difference delay (+) or ahead of schedule (-) this shall
be 1character + 4 Numeric</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:string">
    <xs:length value="5"/>
```

```
  </xs:restriction>
</xs:simpleType>
```

simpleType **DerailmentDetectionDevice**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string
used by	element **RollingStockDataset/DesignDataSet/DerailmentDetectionDevice**
facets	Kind / Value / Annotation enumeration EDT 101 enumeration MDV 100 enumeration Non coded device
annotation	documentation Identification of derailment detection device equipped on the wagon. Element is mandatory if wagon is equipped with such device. The following values are defined: EDT 101 MDV 100 Non coded device

source	`<xs:simpleType name="DerailmentDetectionDevice">`
	`  <xs:annotation>`
	`  <xs:documentation>Identification of derailment detection device equipped on the wagon. Element is mandatory if wagon is equipped with such device.`
	`The following values are defined:`
	`EDT 101`
	`MDV 100`
	`Non coded device`
	`</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:string">`
	`  <xs:enumeration value="EDT 101"/>`
	`  <xs:enumeration value="MDV 100"/>`
	`  <xs:enumeration value="Non coded device"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **EquipmentNumberType**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string
used by	elements **GoodsInWagon/ContainerNumber** **ITU_Details/Number**
facets	Kind / Value / Annotation minLength 1 maxLength 13

annotation	documentation Number of ITU
source	<xs:simpleType name="EquipmentNumberType"> <xs:annotation> <xs:documentation>Number of ITU</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="13"/> </xs:restriction> </xs:simpleType>

simpleType **EquipmentTypeType**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	base xs:token
used by	element **ITU_Type**
facets	Kind Value Annotation enumeration cn documentation Container enumeration sw documentation swap body enumeration te documentation Trailer (RollingRoad)
annotation	documentation Type of equipment
source	<xs:simpleType name="EquipmentTypeType">…</xs:simpleType>

```
<xs:simpleType name="EquipmentTypeType">
  <xs:annotation>
    <xs:documentation>Type of equipment</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:token">
    <xs:enumeration value="cn">
      <xs:annotation>
        <xs:documentation>Container</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="sw">
      <xs:annotation>
        <xs:documentation>swap body</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="te">
      <xs:annotation>
        <xs:documentation>Trailer (RollingRoad)</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
  </xs:restriction>
</xs:simpleType>
```

simpleType **ForwardingRestrictionType**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	base xs:token
facets	Kind / Value / Annotation enumeration 07 enumeration 08 enumeration 09 enumeration 11 enumeration 12 enumeration 13 enumeration 15 enumeration 16 enumeration 41 enumeration 42 enumeration 61 enumeration 62 enumeration 63 enumeration 70 enumeration 71 enumeration 92 enumeration 94 enumeration
annotation	documentation Code List Candidate: This code is designed to identify any special aspects or restrictions which might be relevant to wagon handling operations in train formation yards or in trains because of technical feature of the wagon or its load

source

```
<xs:simpleType name="ForwardingRestrictionType">
  <xs:annotation>
    <xs:documentation>Code List Candidate: This code is designed to identify any special aspects or restrictions which might be relevant to wagon handling operations in train formation yards or in trains because of technical feature of the wagon or its load</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:token">
    <xs:enumeration value="07"/>
    <xs:enumeration value="08"/>
    <xs:enumeration value="09"/>
    <xs:enumeration value="11"/>
    <xs:enumeration value="12"/>
    <xs:enumeration value="13"/>
    <xs:enumeration value="15"/>
    <xs:enumeration value="16"/>
    <xs:enumeration value="41"/>
    <xs:enumeration value="42"/>
    <xs:enumeration value="61"/>
    <xs:enumeration value="62"/>
    <xs:enumeration value="63"/>
    <xs:enumeration value="70"/>
    <xs:enumeration value="71"/>
```

```
    <xs:enumeration value="92"/>
    <xs:enumeration value="94"/>
    <xs:enumeration value=""/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **FreeText**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string
used by	elements **AdditionalInstruction** **Address** **CauseDescription** **CapacityModelType/CMVariant** **CapacityModelSearchCriteria/CMVariantSearch** **Comments** **AffectedIMType/CompanyName** **ContractNumberMovement** **InterruptionPoint/DetailedDescriptionOfLocation** **FreeTextField** **GoodsDescription** **HandlingInstruction** **InvolvedICEType/ICEName** **InternalReferenceIdentifier** **InterruptionDescription** **LocationSubsidiaryName** **MessageIdentifier** **ErrorMessage/ErrorCauseReference/MessageSenderReference** **Name** **SectionType/Name** **Notes/Note** **PrimaryLocationName** **RelatedIdentifier** **RelatedSenderReference** **Remarks** **TCRSearchCriteria/InvolvedRFCsSearch/RFCName** **RouteInformation** **SenderReference** **CapacityModelType/Title** **CapacityModelSearchCriteria/TitleSearch** **TrainReadyMessage/TrainReadyStatus/TrainNotReadyDescription** **TransportInstruction** **CapacityModelType/TypeOfContract** **NetworkSpecificParameter/Value** **Parameters/Value** complexType **CargoCodeType**
facets	Kind / Value / Annotation minLength 1 maxLength 255
annotation	documentation Clear Text in ISO Unicode character set

source	`<xs:simpleType name="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>Clear Text in ISO Unicode character set</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="255"/>`
	`  <xs:minLength value="1"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **InfoIndex**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string
facets	Kind / Value / Annotation enumeration 10 enumeration 20 enumeration 30
annotation	documentation indicates additional information

source	

```
<xs:simpleType name="InfoIndex">
  <xs:annotation>
    <xs:documentation>indicates additional information</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:string">
    <xs:enumeration value="10"/>
    <xs:enumeration value="20"/>
    <xs:enumeration value="30"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **InformationToBeDisplayedCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	base xs:token
used by	element **UnitData/InformationToBeDisplayed**
facets	

Kind	Value	Annotation
enumeration	01	documentation First-class seats vehicle
enumeration	02	documentation First-class couchettes vehicle
enumeration	03	documentation First-class sleepers vehicle
enumeration	04	documentation Second-class seats vehicle
enumeration	05	documentation Second-class couchettes vehicle
enumeration	06	documentation Second-class sleepers vehicle
enumeration	07	documentation Second-class reclining seats vehicle
enumeration	08	documentation Panorama vehicle
enumeration	09	documentation Dining vehicle
enumeration	10	documentation Bar/Bistro vehicle
enumeration	11	documentation Mobile dining service
enumeration	12	documentation Cars loaded
enumeration	13	documentation Cars loaded against direction of travel
enumeration	14	documentation Cars loaded in direction of travel
enumeration	15	documentation Non-smoking vehicle
enumeration	16	documentation Vehicle with smoking compartments
enumeration	17	documentation Vehicle with PRM access
enumeration	18	documentation Silence vehicle
enumeration	19	documentation

			Vehicle with child/family facilities
	enumeration	20	documentation Vehicle with compartments reserved for women
	enumeration	21	documentation Bike accepted
	enumeration	22	documentation Bike accepted for free
	enumeration	23	documentation Bike accepted against paiement
	enumeration	24	documentation Special vehicle
	enumeration	25	documentation Telephone
	enumeration	26	documentation Wifi
	enumeration	27	documentation Service vehicle
	enumeration	28	documentation Train staff available in this vehicle
	enumeration	29	documentation Not in service vehicle
	enumeration	30	documentation With supplement
	enumeration	31	documentation Reservation compulsory

annotation

documentation
Information for passengers displayed in the stations or in public timetables

source

```
<xs:simpleType name="InformationToBeDisplayedCode">
  <xs:annotation>
    <xs:documentation>Information for passengers displayed in the stations or in public timetables</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:token">
    <xs:enumeration value="01">
      <xs:annotation>
        <xs:documentation xml:lang="en">First-class seats vehicle</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="02">
      <xs:annotation>
        <xs:documentation xml:lang="en">First-class couchettes vehicle</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="03">
      <xs:annotation>
        <xs:documentation xml:lang="en">First-class sleepers vehicle</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="04">
      <xs:annotation>
        <xs:documentation xml:lang="en">Second-class seats vehicle</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
```

```
    <xs:enumeration value="05">
      <xs:annotation>
        <xs:documentation xml:lang="en">Second-class couchettes
vehicle</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="06">
      <xs:annotation>
        <xs:documentation xml:lang="en">Second-class sleepers
vehicle</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="07">
      <xs:annotation>
        <xs:documentation xml:lang="en">Second-class reclining seats
vehicle</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="08">
      <xs:annotation>
        <xs:documentation xml:lang="en">Panorama vehicle</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="09">
      <xs:annotation>
        <xs:documentation xml:lang="en">Dining vehicle</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="10">
      <xs:annotation>
        <xs:documentation xml:lang="en">Bar/Bistro vehicle</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="11">
      <xs:annotation>
        <xs:documentation xml:lang="en">Mobile dining service</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="12">
      <xs:annotation>
        <xs:documentation xml:lang="en">Cars loaded</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="13">
      <xs:annotation>
        <xs:documentation xml:lang="en">Cars loaded against direction of
travel</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="14">
      <xs:annotation>
        <xs:documentation xml:lang="en">Cars loaded in direction of
travel</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
```

```
    <xs:enumeration value="15">
      <xs:annotation>
        <xs:documentation xml:lang="en">Non-smoking vehicle</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="16">
      <xs:annotation>
        <xs:documentation xml:lang="en">Vehicle with smoking
compartments</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="17">
      <xs:annotation>
        <xs:documentation xml:lang="en">Vehicle with PRM access</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="18">
      <xs:annotation>
        <xs:documentation xml:lang="en">Silence vehicle</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="19">
      <xs:annotation>
        <xs:documentation xml:lang="en">Vehicle with child/family
facilities</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="20">
      <xs:annotation>
        <xs:documentation xml:lang="en">Vehicle with compartments reserved for
women</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="21">
      <xs:annotation>
        <xs:documentation xml:lang="en">Bike accepted</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="22">
      <xs:annotation>
        <xs:documentation xml:lang="en">Bike accepted for free</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="23">
      <xs:annotation>
        <xs:documentation xml:lang="en">Bike accepted against
paiement</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="24">
      <xs:annotation>
        <xs:documentation xml:lang="en">Special vehicle</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="25">
```

```
      <xs:annotation>
        <xs:documentation xml:lang="en">Telephone</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="26">
      <xs:annotation>
        <xs:documentation xml:lang="en">Wifi</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="27">
      <xs:annotation>
        <xs:documentation xml:lang="en">Service vehicle</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="28">
      <xs:annotation>
        <xs:documentation xml:lang="en">Train staff available in this
vehicle</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="29">
      <xs:annotation>
        <xs:documentation xml:lang="en">Not in service vehicle</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="30">
      <xs:annotation>
        <xs:documentation xml:lang="en">With supplement</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="31">
      <xs:annotation>
        <xs:documentation xml:lang="en">Reservation compulsory</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
  </xs:restriction>
</xs:simpleType>
```

simpleType **InternalFittingDefectCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	base xs:token
used by	element **PassengerUnitRestriction/InternalFittingDefect/InternalFittingDefectCode**
facets	Kind / Value / Annotation enumeration 01 documentation Lighting (totally out) enumeration 02 documentation Window pane broken enumeration 03 documentation Intercom fault enumeration 04 documentation

			Public-address system (incl. WiFi) fault
	enumeration	05	documentation Seats, berths
	enumeration	06	documentation Heating, air conditioning
	enumeration	07	documentation Toilets
	enumeration	08	documentation Water supply
	enumeration	09	documentation Bar/Restaurant equipments
	enumeration	10	documentation Spotting
	enumeration	11	documentation No reservation signs in the vehicle
	enumeration	12	documentation Facilities for bike transport missing/limited
	enumeration	13	documentation PRM accessible device missing/out of order
	enumeration	99	documentation Other
annotation	documentation List of Internal Fitting Defect		

source

```
<xs:simpleType name="InternalFittingDefectCode">
  <xs:annotation>
    <xs:documentation>List of Internal Fitting Defect</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:token">
    <xs:enumeration value="01">
      <xs:annotation>
        <xs:documentation xml:lang="en">Lighting (totally out)</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="02">
      <xs:annotation>
        <xs:documentation xml:lang="en">Window pane broken</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="03">
      <xs:annotation>
        <xs:documentation xml:lang="en">Intercom fault</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="04">
      <xs:annotation>
        <xs:documentation xml:lang="en">Public-address system (incl. WiFi)
fault</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="05">
      <xs:annotation>
        <xs:documentation xml:lang="en">Seats, berths</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="06">
      <xs:annotation>
```

```
        <xs:documentation xml:lang="en">Heating, air
conditioning</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="07">
      <xs:annotation>
        <xs:documentation xml:lang="en">Toilets</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="08">
      <xs:annotation>
        <xs:documentation xml:lang="en">Water supply</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="09">
      <xs:annotation>
        <xs:documentation xml:lang="en">Bar/Restaurant
equipments</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="10">
      <xs:annotation>
        <xs:documentation xml:lang="en">Spotting</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="11">
      <xs:annotation>
        <xs:documentation xml:lang="en">No reservation signs in the
vehicle</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="12">
      <xs:annotation>
        <xs:documentation xml:lang="en">Facilities for bike transport
missing/limited</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="13">
      <xs:annotation>
        <xs:documentation xml:lang="en">PRM accessible device missing/out of
order</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="99">
      <xs:annotation>
        <xs:documentation xml:lang="en">Other</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
  </xs:restriction>
</xs:simpleType>
```

simpleType **LoadUnitNumberType**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string
used by	elements **RunningStatusReportMessage/TransportDeviceID/LoadUnitNumber** **ILU_Details/LoadUnitNumber** **IntermodalTransportDataType/LoadUnitNumber**
facets	Kind Value Annotation whiteSpace replace pattern [A-Za-z0-9]{11}
annotation	documentation The Type consists of three parts, first 4A the owner key, second 6N registration number, third 1N control digit

source	`<xs:simpleType name="LoadUnitNumberType">`
	`  <xs:annotation>`
	`  <xs:documentation>The Type consists of three parts, first 4A the owner key, second 6N registration number, third 1N control digit</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:string">`
	`  <xs:whiteSpace value="replace"/>`
	`  <xs:pattern value="[A-Za-z0-9]{11}"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **MessageCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	base xs:integer
used by	element **RelatedReference/RelatedType**
facets	Kind Value Annotation minInclusive 1 maxInclusive 9999
annotation	documentation Identifies the type of message

source	`<xs:simpleType name="MessageCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the type of message</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="9999"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **Money_Type**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:decimal**

properties	base xs:decimal
used by	elements **ConsignmentOrderMessage/COMS/COM/DeclarationOfValue/Amount** **ConsignmentOrderMessage/COMS/COM/InterestInDelivery/Amount** **ConsignmentOrderMessage/COMS/COM/CashOnDelivery/Amount** **ConsignmentOrderMessage/COMS/COM/ChargingSections/Tariff/FreightCharges/Prepaid** **ConsignmentOrderMessage/COMS/COM/ChargingSections/AdditionalCharges/Prepaid** **ConsignmentOrderMessage/COMS/COM/ChargingSections/Tariff/FreightCharges/Transferred** **ConsignmentOrderMessage/COMS/COM/ChargingSections/AdditionalCharges/Transferred**
facets	Kind Value Annotation totalDigits 18 fractionDigits 2
annotation	documentation Type for all payments

source	`<xs:simpleType name="Money_Type">`
	`  <xs:annotation>`
	`  <xs:documentation>Type for all payments</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:decimal">`
	`  <xs:totalDigits value="18"/>`
	`  <xs:fractionDigits value="2"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **Name**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string
used by	element **VesselName**
facets	Kind Value Annotation maxLength 254
annotation	documentation Name in Free Text

source	`<xs:simpleType name="Name">`
	`  <xs:annotation>`
	`  <xs:documentation>Name in Free Text</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="254"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **NHMCodeType**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string

used by	elements **NHM_Code** **ConsignmentOrderMessage/COMS/COM/ChargingSections/Tariff/NHMCode** **Goods/PreviousLoadedGood** **Wagons/GoodsInWagon/PreviousLoadedGood**
facets	Kind Value Annotation length 6 pattern \d*[1-9]\d*
annotation	documentation NHM Code

source	`<xs:simpleType name="NHMCodeType">`
	`  <xs:annotation>`
	`  <xs:documentation>NHM Code</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:string">`
	`  <xs:length value="6"/>`
	`  <xs:pattern value="\d*[1-9]\d*"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **Numeric0-2**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	base xs:integer
used by	element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/CounterAcreditedRecognizedBody**
facets	Kind Value Annotation minInclusive 00 maxInclusive 99

source	`<xs:simpleType name="Numeric0-2">`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="00"/>`
	`  <xs:maxInclusive value="99"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **Numeric1-5**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:positiveInteger**
properties	base xs:positiveInteger
used by	elements **RollingStockDataset/DesignDataSet/BogiePivotPitch** **RollingStockDataset/DesignDataSet/HeightOfLoadingPlaneUnladen** **RollingStockDataset/DesignDataSet/InnerWheelbase** **LocationPrimaryCode** **RollingStockDataset/DesignDataSet/LoadTable/SpeedCategory**
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
source	`<xs:simpleType name="Numeric1-5">`

```
  <xs:restriction base="xs:positiveInteger">
    <xs:minInclusive value="1"/>
    <xs:maxInclusive value="99999"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **Numeric1-6**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	base xs:int
facets	Kind Value Annotation minInclusive 1 maxInclusive 999999

source	`<xs:simpleType name="Numeric1-6">`
	`  <xs:restriction base="xs:int">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="999999"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **Numeric2-2**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	base xs:integer
used by	elements **RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/EINYear** **MessageRoutingID** **RollingStockDataset/DesignDataSet/RemovableAccessories/NumberOfAccessorOfSpecType** **AirBrake/NumberOfBrakes** **WagonTechData/TechnicalRestrictions** **RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/TypeDocumentEIN** attribute **CI_InstanceNumber**
facets	Kind Value Annotation minInclusive 01 maxInclusive 99

source	`<xs:simpleType name="Numeric2-2">`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="01"/>`
	`  <xs:maxInclusive value="99"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **Numeric3-3**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	base xs:integer

used by	elements **AirBrake/LoadChangeDevice/AirBrakedMassLoaded** **AirBrake/LoadChangeDevice/ChangeOverWeight** simpleType **Speed**
facets	Kind Value Annotation minInclusive 001 maxInclusive 999

source	`<xs:simpleType name="Numeric3-3">`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="001"/>`
	`  <xs:maxInclusive value="999"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **Numeric4-4**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	base xs:integer
used by	elements **LengthOfSetOfCarriages** **RollingStockDataset/DesignDataSet/LoadTable/LoadTableProduct/ProductUNCode** **TrainLength** simpleType **CauseCode**
facets	Kind Value Annotation minInclusive 0001 maxInclusive 9999

source	`<xs:simpleType name="Numeric4-4">`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="0001"/>`
	`  <xs:maxInclusive value="9999"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **Percentage**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:float**
properties	base xs:float
used by	element **NetworkProjectedLocation/ProportionOfDistanceBetweenLocations**
facets	Kind Value Annotation minInclusive 0 maxInclusive 100
annotation	documentation decimal value between 0 and 100

source	`<xs:simpleType name="Percentage">`
	`  <xs:annotation>`
	`  <xs:documentation>decimal value between 0 and 100</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:float">`

```
    <xs:minInclusive value="0"/>
    <xs:maxInclusive value="100"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **PercentageType**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	base xs:integer
used by	elements **OperationalConsequencesType/AffectedTrafficVolume** **TCRSearchCriteria/AffectedTrafficVolumeSearch**
facets	Kind Value Annotation minInclusive 0 maxInclusive 100

source	`<xs:simpleType name="PercentageType">`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="0"/>`
	`  <xs:maxInclusive value="100"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **RestrictionCodes**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	base xs:token
used by	elements **RestrictionsDueToLoadOrDamage** **TechnicalForwardingRestrictions** **PassengerUnitRestriction/PassengerTransportRestriction/TransportRestrictionCode**
facets	Kind Value Annotation enumeration 07 documentation F - Shunt only when hand brake operable with ground staff enumeration 08 documentation F - Tank wagon loaded with liquid enumeration 09 documentation F - Wagon loaded with people enumeration 11 documentation F - Wagon other than bogie wagon with wheelbase of more than 9 metres enumeration 12 documentation F - Bogie wagon with distance between wheels of more than 14 metres and up to and including a distance of 17,50 metres enumeration 13 documentation F - Bogie wagon with distance between wheels of more than 17,50 metres enumeration 15 documentation F - Wagon not allowed over the hump enumeration 16 documentation F - Do not fly shunt or gravity shunt (3 red triangles) enumeration 18 documentation F - Must not use active braking equipment enumeration 25 documentation F - Gas carrying tank wagon with orange side stripe

	enumeration	30	documentation P (+F) - CCS fault (see CCS coding list)
	enumeration	31	documentation P (+F) - Braking system fault
	enumeration	32	documentation P (+F) - Wheelset, bogie fault
	enumeration	33	documentation P (+F) - Headlighting or back lighting fault
	enumeration	34	documentation P (+F) - Front glass broken
	enumeration	35	documentation P (+F) - Horn fault
	enumeration	36	documentation P (+F) - Radio fault
	enumeration	37	documentation P (+F) - Energy supply fault
	enumeration	38	documentation P (+F) - Traction or motor fault
	enumeration	39	documentation P - Access door fault
	enumeration	41	documentation F - Place this wagon at the front of the train
	enumeration	42	documentation F - Place this wagon at the rear of the train
	enumeration	50	documentation P (+F) - Speed restriction
	enumeration	52	documentation P (+F) - Diesel locomotive instead of electric locomotive
	enumeration	61	documentation F - Wagon forming part of a consignment of several wagons
	enumeration	62	documentation F - Wagon forming part of a group of wagons from which it must not be separated
	enumeration	63	documentation F (+P) - Special consignment or (for Passengers trains) loading/cinematic gauge larger than the planned one
	enumeration	68	documentation F - First or last wagon of a wagon group from which it must not be separated
	enumeration	70	documentation F - Shunt with care (1 red triangle)
	enumeration	71	documentation F - Shunt with special care (2 red triangle)
	enumeration	90	documentation P - Train planned with passengers operated without passengers
	enumeration	91	documentation P - Train planned without passengers operated with passengers
	enumeration	92	documentation P - Train planned with hauled rolling stock and operated without any coaches (light engine)
	enumeration	94	documentation F - Gas carrying wagon without orange side stripe
	enumeration	99	documentation P - Other
annotation	documentation All codes of Transport restrictions for Freight Traffic (cf. UIC 920-13) and Passengers Traffic are in the same list. F = Freight P = Passenger T = Technical D = Damage L = Load		

Code	F or P	Description	T	D	L
07	F	Shunt only when hand brake operable with ground staff			
08	F	Tank wagon loaded with liquid		x	x
09	F	Wagon loaded with people	x		
11	F	Wagon other than bogie wagon with wheelbase of more than 9 metres	x		
12	F	Bogie wagon with distance between wheels of more than 14 metres and up to and including a distance of 17,50 metres		x	
13	F	Bogie wagon with distance between wheels of more than 17,50 metres		x	
15	F	Wagon not allowed over the hump		x	x
16	F	Do not fly shunt or gravity shunt (3 red triangles)		x	x
18	F	Must not use active braking equipment		x	x
25	F	Gas carrying tank wagon with orange side stripe		x	
30	P (+F)	CCS fault (see CCS coding list)		x	
31	P (+F)	Braking system fault	x		
32	P (+F)	Wheelset, bogie fault		x	
33	P (+F)	Headlighting or back lighting fault	x		
34	P (+F)	Front glass broken	x		

35	P (+F)	Horn fault	
			x
36	P (+F)	Radio fault	
			x
37	P (+F)	Energy supply fault	
			x
38	P (+F)	Traction or motor fault	
			x
39	P	Access door fault	
			x
41	F	Place this wagon at the front of the train	
	x	x	x
42	F	Place this wagon at the rear of the train	
	x	x	x
50	P (+F)	Speed restriction	
			x x
52	P (+F)	Diesel locomotive instead of electric locomotive	
			x (X) F
61	F	Wagon forming part of a consignment of several wagons	
			x
62	F	Wagon forming part of a group of wagons from which it must not be separated	
			x
63	F (+P)	Special consignment or (for Passengers trains) loading/cinematic gauge larger than the planned one	
			x x
68	F	First or last wagon of a wagon group from which it must not be separated	
			x
70	F	Shunt with care (1 red triangle)	
			x x x
71	F	Shunt with special care (2 red triangle)	
	x	x	x
90	P	Train planned with passengers operated without passengers	
			x
91	P	Train planned without passengers operated with passengers	
			x

	92 P Train planned with hauled rolling stock and operated without any coaches (light engine) x x 94 F Gas carrying wagon without orange side stripe x 99 P Other x x
source	<xs:simpleType name="RestrictionCodes"> <xs:annotation> <xs:documentation> All codes of Transport restrictions for Freight Traffic (cf. UIC 920-13) and Passengers Traffic are in the same list. F = Freight P = Passenger T = Technical D = Damage L = Load Code F or P Description T D L 07 F Shunt only when hand brake operable with ground staff x x 08 F Tank wagon loaded with liquid x 09 F Wagon loaded with people x 11 F Wagon other than bogie wagon with wheelbase of more than 9 metres x 12 F Bogie wagon with distance between wheels of more than 14 metres and up to and including a distance of 17,50 metres x 13 F Bogie wagon with distance between wheels of more than 17,50 metres x 15 F Wagon not allowed over the hump x x x 16 F Do not fly shunt or gravity shunt (3 red triangles)

```
                                                                                                  x      x
      x
18    F      Must not use active braking equipment

                                                                                                         x

25    F      Gas carrying tank wagon with orange side stripe

                                                                                                  x

30    P (+F) CCS fault (see CCS coding list)


      x
31    P (+F) Braking system fault


                             x
32    P (+F) Wheelset, bogie fault


                             x
33    P (+F) Headlighting or back lighting fault


      x
34    P (+F) Front glass broken


                             x
35    P (+F) Horn fault


                                        x
36    P (+F) Radio fault


                                        x
37    P (+F) Energy supply fault


                   x
38    P (+F) Traction or motor fault


                   x
39    P      Access door fault


                                        x
41    F      Place this wagon at the front of the train


      x      x      x
42    F      Place this wagon at the rear of the train
```

```
      x     x     x
50    P (+F) Speed restriction


                        x     x
52    P (+F) Diesel locomotive instead of electric locomotive

                                                          x     (X) F
61    F     Wagon forming part of a consignment of several wagons

                                                          x
62    F     Wagon forming part of a group of wagons from which it must not be
separated
                                 x
63    F (+P) Special consignment or (for Passengers trains) loading/cinematic gauge
larger than the planned one                                x     x
68    F     First or last wagon of a wagon group from which it must not be separated

                                       x
70    F     Shunt with care (1 red triangle)


            x     x     x
71    F     Shunt with special care (2 red triangle)


      x     x     x
90    P     Train planned with passengers operated without passengers

                                                          x
91    P     Train planned without passengers operated with passengers

                                                          x
92    P     Train planned with hauled rolling stock and operated without any coaches
(light engine)
                  x     x
94    F     Gas carrying wagon without orange side stripe

                                                                  x

99    P     Other


                                                  x     x

                                                          </xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:token">
    <xs:enumeration value="07">
      <xs:annotation>
        <xs:documentation>F - Shunt only when hand brake operable with ground
staff</xs:documentation>
      </xs:annotation>
```

```
    </xs:enumeration>
    <xs:enumeration value="08">
      <xs:annotation>
        <xs:documentation>F - Tank wagon loaded with liquid</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="09">
      <xs:annotation>
        <xs:documentation>F - Wagon loaded with people</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="11">
      <xs:annotation>
        <xs:documentation>F - Wagon other than bogie wagon with wheelbase of more
than 9 metres</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="12">
      <xs:annotation>
        <xs:documentation>F - Bogie wagon with distance between wheels of more than
14 metres and up to and including a distance of 17,50 metres</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="13">
      <xs:annotation>
        <xs:documentation>F - Bogie wagon with distance between wheels of more than
17,50 metres</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="15">
      <xs:annotation>
        <xs:documentation>F - Wagon not allowed over the hump</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="16">
      <xs:annotation>
        <xs:documentation>F - Do not fly shunt or gravity shunt (3 red
triangles)</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="18">
      <xs:annotation>
        <xs:documentation>F - Must not use active braking
equipment</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="25">
      <xs:annotation>
        <xs:documentation>F - Gas carrying tank wagon with orange side
stripe</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="30">
      <xs:annotation>
        <xs:documentation>P (+F) - CCS fault (see CCS coding
```

```
list)</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="31">
      <xs:annotation>
        <xs:documentation>P (+F) - Braking system fault</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="32">
      <xs:annotation>
        <xs:documentation>P (+F) - Wheelset, bogie fault</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="33">
      <xs:annotation>
        <xs:documentation>P (+F) - Headlighting or back lighting
fault</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="34">
      <xs:annotation>
        <xs:documentation>P (+F) - Front glass broken</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="35">
      <xs:annotation>
        <xs:documentation>P (+F) - Horn fault</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="36">
      <xs:annotation>
        <xs:documentation>P (+F) - Radio fault</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="37">
      <xs:annotation>
        <xs:documentation>P (+F) - Energy supply fault</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="38">
      <xs:annotation>
        <xs:documentation>P (+F) - Traction or motor fault</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="39">
      <xs:annotation>
        <xs:documentation>P - Access door fault</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="41">
      <xs:annotation>
        <xs:documentation>F - Place this wagon at the front of the
train</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
```

```
    <xs:enumeration value="42">
      <xs:annotation>
        <xs:documentation>F - Place this wagon at the rear of the
train</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="50">
      <xs:annotation>
        <xs:documentation>P (+F) - Speed restriction</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="52">
      <xs:annotation>
        <xs:documentation>P (+F) - Diesel locomotive instead of electric
locomotive</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="61">
      <xs:annotation>
        <xs:documentation>F - Wagon forming part of a consignment of several
wagons</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="62">
      <xs:annotation>
        <xs:documentation>F - Wagon forming part of a group of wagons from which it
must not be separated</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="63">
      <xs:annotation>
        <xs:documentation>F (+P) - Special consignment or (for Passengers trains)
loading/cinematic gauge larger than the planned one</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="68">
      <xs:annotation>
        <xs:documentation>F - First or last wagon of a wagon group from which it must
not be separated</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="70">
      <xs:annotation>
        <xs:documentation>F - Shunt with care (1 red triangle)</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="71">
      <xs:annotation>
        <xs:documentation>F - Shunt with special care (2 red
triangle)</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="90">
      <xs:annotation>
        <xs:documentation>P - Train planned with passengers operated without
```

```
passengers</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="91">
      <xs:annotation>
        <xs:documentation>P - Train planned without passengers operated with
passengers</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="92">
      <xs:annotation>
        <xs:documentation>P - Train planned with hauled rolling stock and operated
without any coaches (light engine)</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="94">
      <xs:annotation>
        <xs:documentation>F - Gas carrying wagon without orange side
stripe</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="99">
      <xs:annotation>
        <xs:documentation>P - Other</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
  </xs:restriction>
</xs:simpleType>
```

simpleType **RunningStatus**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	base xs:token
used by	elements **TrainLocationStatus** **WagonLocationStatus**
facets	Kind / Value / Annotation enumeration 00 documentation Not specified enumeration 01 documentation Arrival at destination enumeration 02 documentation Departure at origin enumeration 03 documentation Intermediate arrival enumeration 04 documentation Intermediate departure enumeration 05 documentation Pass through enumeration 06 documentation NEW CODES: Some IMs are transmitting these codes (6 - 9) enumeration 07 enumeration 08

	enumeration	09	
	enumeration	10	documentation Not specified for wagon
	enumeration	11	documentation Wagon arrival at its destination by train
	enumeration	12	documentation Wagon departure from its station of origin by train
	enumeration	13	documentation Wagon arrival at reporting point by train
	enumeration	14	documentation Wagon departure from reporting point by train (HLR)
	enumeration	15	documentation Wagon run-through at reporting point by train
	enumeration	16	documentation Wagon parked at reporting point (MAD)
	enumeration	17	documentation Wagon shunted at reporting point
	enumeration	18	documentation Wagon arrived at reporting point
	enumeration	19	documentation Wagon departure from reporting point
annotation	documentation Identifies the status of a train related to the actual time at the reporting point.		

source

```
<xs:simpleType name="RunningStatus">
  <xs:annotation>
    <xs:documentation>Identifies the status of a train related to the actual time
at the reporting point.</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:token">
    <xs:enumeration value="00">
      <xs:annotation>
        <xs:documentation>Not specified</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="01">
      <xs:annotation>
        <xs:documentation>Arrival at destination</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="02">
      <xs:annotation>
        <xs:documentation>Departure at origin</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="03">
      <xs:annotation>
        <xs:documentation>Intermediate arrival</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="04">
      <xs:annotation>
        <xs:documentation>Intermediate departure</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="05">
      <xs:annotation>
```

```
        <sp_xs_documentation_open_tag_1>Pass through</sp_xs_documentation_close_tag_1>
      </sp_xs_annotation_open_tag_1>
    </sp_xs_enumeration_open_tag_1>
    <sp_xs_enumeration_open_tag_2 value="06">
      <sp_xs_annotation_open_tag_2>
        <sp_xs_documentation_open_tag_2>NEW CODES: Some IMs are transmitting these codes (6 -
9)</sp_xs_documentation_close_tag_2>
      </sp_xs_annotation_open_tag_2>
    </sp_xs_enumeration_open_tag_2>
    <sp_xs_enumeration_open_tag_3 value="07">
      <sp_xs_annotation_open_tag_3>
        <sp_xs_documentation_empty_tag_1/>
      </sp_xs_annotation_open_tag_3>
    </sp_xs_enumeration_open_tag_3>
    <sp_xs_enumeration_open_tag_4 value="08">
      <sp_xs_annotation_open_tag_4>
        <sp_xs_documentation_empty_tag_2/>
      </sp_xs_annotation_open_tag_4>
    </sp_xs_enumeration_open_tag_4>
    <sp_xs_enumeration_open_tag_5 value="09">
      <sp_xs_annotation_open_tag_5>
        <sp_xs_documentation_empty_tag_3/>
      </sp_xs_annotation_open_tag_5>
    </sp_xs_enumeration_open_tag_5>
    <sp_xs_enumeration_open_tag_6 value="10">
      <sp_xs_annotation_open_tag_6>
        <sp_xs_documentation_open_tag_3>Not specified for wagon</sp_xs_documentation_close_tag_3>
      </sp_xs_annotation_open_tag_6>
    </sp_xs_enumeration_open_tag_6>
    <sp_xs_enumeration_open_tag_7 value="11">
      <sp_xs_annotation_open_tag_7>
        <sp_xs_documentation_open_tag_4>Wagon arrival at its destination by
train</sp_xs_documentation_close_tag_4>
      </sp_xs_annotation_open_tag_7>
    </sp_xs_enumeration_open_tag_7>
    <sp_xs_enumeration_open_tag_8 value="12">
      <sp_xs_annotation_open_tag_8>
        <sp_xs_documentation_open_tag_5>Wagon departure from its station of origin by
train</sp_xs_documentation_close_tag_5>
      </sp_xs_annotation_open_tag_8>
    </sp_xs_enumeration_open_tag_8>
    <sp_xs_enumeration_open_tag_9 value="13">
      <sp_xs_annotation_open_tag_9>
        <sp_xs_documentation_open_tag_6>Wagon arrival at reporting point by
train</sp_xs_documentation_close_tag_6>
      </sp_xs_annotation_open_tag_9>
    </sp_xs_enumeration_open_tag_9>
    <sp_xs_enumeration_open_tag_10 value="14">
      <sp_xs_annotation_open_tag_10>
        <sp_xs_documentation_open_tag_7>Wagon departure from reporting point by train
(HLR)</sp_xs_documentation_close_tag_7>
      </sp_xs_annotation_open_tag_10>
    </sp_xs_enumeration_open_tag_10>
    <sp_xs_enumeration_open_tag_11 value="15">
      <sp_xs_annotation_open_tag_11>
```

```
        <xs:documentation>Wagon run-through at reporting point by
train</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="16">
      <xs:annotation>
        <xs:documentation>Wagon parked at reporting point (MAD)</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="17">
      <xs:annotation>
        <xs:documentation>Wagon shunted at reporting point</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="18">
      <xs:annotation>
        <xs:documentation>Wagon arrived at reporting point</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="19">
      <xs:annotation>
        <xs:documentation>Wagon departure from reporting point</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
  </xs:restriction>
</xs:simpleType>
```

simpleType **Speed**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Numeric3-3**
properties	base Numeric3-3
used by	elements **GNSS_DynamicPosition/CurrentSpeed** **HighestPlannedSpeed** **PlannedSpeed** **TrainMaxSpeed**
facets	Kind Value Annotation minInclusive 001 maxInclusive 999
annotation	documentation Shown in Km/h

```
<xs:simpleType name="Speed">
  <xs:annotation>
    <xs:documentation>Shown in Km/h</xs:documentation>
  </xs:annotation>
  <xs:restriction base="Numeric3-3"/>
</xs:simpleType>
```

simpleType **String1-10**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**

properties	base xs:string
used by	element **LocationSubsidiaryCode**
facets	Kind Value Annotation minLength 1 maxLength 10

source	`<xs:simpleType name="String1-10">`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="10" fixed="false"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **String1-14**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string
used by	element **CustomerCode/PrimaryCode**
facets	Kind Value Annotation minLength 1 maxLength 14

source	`<xs:simpleType name="String1-14">`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="14"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **String1-5**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string
used by	element **DelayMinutes**
facets	Kind Value Annotation minLength 1 maxLength 5

source	`<xs:simpleType name="String1-5">`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="5"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **String1-7**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string
used by	element **CustomerCode/AdditionalCode**
facets	Kind Value Annotation minLength 1 maxLength 7

source	`<xs:simpleType name="String1-7">`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="7"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **String1-8**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string
used by	elements **AssociatedAttachedOTN** **AssociatedAttachedTrainServiceNumber** **OperationalTrainNumber**
facets	Kind Value Annotation minLength 1 maxLength 8

source	`<xs:simpleType name="String1-8">`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="8"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **String4-4**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string
used by	simpleType **CompanyCode**
facets	Kind Value Annotation minLength 4 maxLength 4
source	`<xs:simpleType name="String4-4">` `  <xs:restriction base="xs:string">`

```
    <xs:minLength value="4"/>
    <xs:maxLength value="4"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **String5-5**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string
facets	Kind Value Annotation minLength 5 maxLength 5

source	`<xs:simpleType name="String5-5">`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="5"/>`
	`  <xs:maxLength value="5"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **String5-8**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string
facets	Kind Value Annotation minLength 5 maxLength 8

source	`<xs:simpleType name="String5-8">`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="5"/>`
	`  <xs:maxLength value="8"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **TCRValidationStatusType**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	base xs:token
used by	attribute **ValidationEntryType/@status**
facets	Kind Value Annotation enumeration PASSED enumeration INFO

	enumeration WARNING enumeration FAILED enumeration SKIPPED

source	`<xs:simpleType name="TCRValidationStatusType">`
	`  <xs:restriction base="xs:token">`
	`  <xs:enumeration value="PASSED"/>`
	`  <xs:enumeration value="INFO"/>`
	`  <xs:enumeration value="WARNING"/>`
	`  <xs:enumeration value="FAILED"/>`
	`  <xs:enumeration value="SKIPPED"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **Time**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:time**
properties	base xs:time
annotation	documentation Time expressed in HH:MM:SS

source	`<xs:simpleType name="Time">`
	`  <xs:annotation>`
	`  <xs:documentation>Time expressed in HH:MM:SS</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:time"/>`
	`</xs:simpleType>`

simpleType **TrainCC_SystemCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	base xs:token
used by	element **TrainCC_System**
facets	Kind Value Annotation enumeration 01 enumeration 02 enumeration 03 enumeration 04 enumeration 05 enumeration 06 enumeration 07 enumeration 08 enumeration 09 enumeration 10 enumeration 11

	enumeration 12 enumeration 13 enumeration 14 enumeration 15 enumeration 16 enumeration 17 enumeration 18 enumeration 19 enumeration 20 enumeration 21 enumeration 22 enumeration 23 enumeration 24 enumeration 25 enumeration 26 enumeration 27 enumeration 28 enumeration 29 enumeration 30 enumeration 31 enumeration 32 enumeration 33 enumeration 34 enumeration 35 enumeration 36 enumeration 37 enumeration 38 enumeration 39 enumeration 40 enumeration 41 enumeration 42 enumeration 43 enumeration 44 enumeration 45 enumeration 46 enumeration 47 enumeration 48 enumeration 49 enumeration 50 enumeration 51 enumeration 52 enumeration 53 enumeration 54
annotation	documentation Type of Train Control System Identifies the command control system of the train in coded values.

	1 ALSN 2 ASFA 3 ATB 1st Gen 4 ATB Next Gen 5 ATC 6 ATP 7 CIR 1 (traction unit is equipped with LZB CIR-ELKE I) 8 CIR 1+2 (traction unit is equipped with LZB CIR-ELKE I + II) 9 CIR 2 (traction unit is equipped with LZB CIR-ELKE II) 10 Crocodile 11 DAAT 12 EBICAB 700 13 EBICAB 900 14 EFA (all traction units/driving cabins of the train are equipped with an electronic drivers cab display (EFA)) 15 ETCS L1 LS plus EuroZUB 16 ETCS L1 SRS 2.3.0d (traction unit is equipped with ETCS Level 1 version 2.3.0d) 17 ETCS L2 SRS 2.3.0d (traction unit is equipped with ETCS Level 2 version 2.3.0d) 18 ETCS L2 SRS 3.3.0 (traction unit is equipped with ETCS Level 2 version 3.3.0) 19 ETCS L2 SRS 3.4.0 (traction unit is equipped with ETCS Level 2 version 3.4.0) 20 ETCS L2 SRS 3.6.0 (traction unit is equipped with ETCS Level 2 version 3.6.0) 21 ETCS Level 0 22 ETCS Level 1 23 ETCS Level 2 24 ETCS Level 3 25 ETCS Level NSC 26 EVM 27 Indusi 54 28 Indusi 60 R 29 Indusi PZ 80 30 KBS-E 31 KCVB 32 KCVP 33 KVB 34 KVBP 35 LS 36 LS 90 37 LS I 38 LS III 39 LS IV 40 LZB 41 Mirel 42 NEXTEO 43 PZB 44 PZB90 45 SCMT 46 SHP 47 SIFA 48 STM ASFA 49 STM LZB 50 TBL 1 51 TBL 2 52 TVM 300 53 TVM 430 54 ZUB
source	<xs:simpleType name="TrainCC_SystemCode"> <xs:annotation> <xs:documentation>Type of Train Control System Identifies the command control system of the train in coded values. 1 ALSN

```
2    ASFA
3    ATB 1st Gen
4    ATB Next Gen
5    ATC
6    ATP
7    CIR 1 (traction unit is equipped with LZB CIR-ELKE I)
8    CIR 1+2 (traction unit is equipped with LZB CIR-ELKE I + II)
9    CIR 2 (traction unit is equipped with LZB CIR-ELKE II)
10    Crocodile
11    DAAT
12    EBICAB 700
13    EBICAB 900
14    EFA (all traction units/driving cabins of the train are equipped with an
electronic drivers cab display (EFA))
15    ETCS L1 LS plus EuroZUB
16    ETCS L1 SRS 2.3.0d (traction unit is equipped with ETCS Level 1 version 2.3.0d)
17    ETCS L2 SRS 2.3.0d (traction unit is equipped with ETCS Level 2 version 2.3.0d)
18    ETCS L2 SRS 3.3.0 (traction unit is equipped with ETCS Level 2 version 3.3.0)
19    ETCS L2 SRS 3.4.0 (traction unit is equipped with ETCS Level 2 version 3.4.0)
20    ETCS L2 SRS 3.6.0 (traction unit is equipped with ETCS Level 2 version 3.6.0)
21    ETCS Level 0
22    ETCS Level 1
23    ETCS Level 2
24    ETCS Level 3
25    ETCS Level NSC
26    EVM
27    Indusi 54
28    Indusi 60 R
29    Indusi PZ 80
30    KBS-E
31    KCVB
32    KCVP
33    KVB
34    KVBP
35    LS
36    LS 90
37    LS I
38    LS III
39    LS IV
40    LZB
41    Mirel
42    NEXTEO
43    PZB
44    PZB90
45    SCMT
46    SHP
47    SIFA
48    STM ASFA
49    STM LZB
50    TBL 1
51    TBL 2
52    TVM 300
53    TVM 430
54    ZUB</xs:documentation>
  </xs:annotation>
```

```
<xs:restriction base="xs:token">
  <xs:enumeration value="01"/>
  <xs:enumeration value="02"/>
  <xs:enumeration value="03"/>
  <xs:enumeration value="04"/>
  <xs:enumeration value="05"/>
  <xs:enumeration value="06"/>
  <xs:enumeration value="07"/>
  <xs:enumeration value="08"/>
  <xs:enumeration value="09"/>
  <xs:enumeration value="10"/>
  <xs:enumeration value="11"/>
  <xs:enumeration value="12"/>
  <xs:enumeration value="13"/>
  <xs:enumeration value="14"/>
  <xs:enumeration value="15"/>
  <xs:enumeration value="16"/>
  <xs:enumeration value="17"/>
  <xs:enumeration value="18"/>
  <xs:enumeration value="19"/>
  <xs:enumeration value="20"/>
  <xs:enumeration value="21"/>
  <xs:enumeration value="22"/>
  <xs:enumeration value="23"/>
  <xs:enumeration value="24"/>
  <xs:enumeration value="25"/>
  <xs:enumeration value="26"/>
  <xs:enumeration value="27"/>
  <xs:enumeration value="28"/>
  <xs:enumeration value="29"/>
  <xs:enumeration value="30"/>
  <xs:enumeration value="31"/>
  <xs:enumeration value="32"/>
  <xs:enumeration value="33"/>
  <xs:enumeration value="34"/>
  <xs:enumeration value="35"/>
  <xs:enumeration value="36"/>
  <xs:enumeration value="37"/>
  <xs:enumeration value="38"/>
  <xs:enumeration value="39"/>
  <xs:enumeration value="40"/>
  <xs:enumeration value="41"/>
  <xs:enumeration value="42"/>
  <xs:enumeration value="43"/>
  <xs:enumeration value="44"/>
  <xs:enumeration value="45"/>
  <xs:enumeration value="46"/>
  <xs:enumeration value="47"/>
  <xs:enumeration value="48"/>
  <xs:enumeration value="49"/>
  <xs:enumeration value="50"/>
  <xs:enumeration value="51"/>
  <xs:enumeration value="52"/>
  <xs:enumeration value="53"/>
  <xs:enumeration value="54"/>
```

```
  </xs:restriction>
</xs:simpleType>
```

simpleType **TypeOfIMHarmonizationCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string
used by	element **TypeOfIMHarmonization**
facets	Kind / Value / Annotation enumeration Full enumeration Part
annotation	documentation Enumeration of Type of IM harmonization: Full, Part

source

```
<xs:simpleType name="TypeOfIMHarmonizationCode">
  <xs:annotation>
    <xs:documentation>Enumeration of Type of  IM harmonization: Full, Part
</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:string">
    <xs:enumeration value="Full"/>
    <xs:enumeration value="Part"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **TypeOfInformationCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	base xs:integer
used by	element **TypeOfInformation**
facets	Kind / Value / Annotation minInclusive 0 maxInclusive 99 enumeration 1 documentation harmonisation - in process enumeration 2 documentation harmonisation - accepted enumeration 3 documentation harmonisation - rejected enumeration 4 documentation Request ready enumeration 5 documentation path study request enumeration 6 documentation pre-arranged path/reserve capacity enumeration 7 documentation

			create offer
	enumeration	8	documentation
			coordination update
	enumeration	9	documentation
			draft offer
	enumeration	10	documentation
			draft alternative offer
	enumeration	11	documentation
			observation - in process
	enumeration	12	documentation
			observation - complete
	enumeration	13	documentation
			preparation of final offer - in process
	enumeration	14	documentation
			preparation of final offer - accepted
	enumeration	15	documentation
			preparation of final offer - rejected
	enumeration	16	documentation
			final offer
	enumeration	17	documentation
			final offer - accepted
	enumeration	18	documentation
			alternative offer accepted
	enumeration	19	documentation
			pre-accepted offer
	enumeration	20	documentation
			Final Offer rejected
	enumeration	21	documentation
			no alternative available
	enumeration	22	documentation
			booked
	enumeration	23	documentation
			preparation of draft alternative offer is in progress
	enumeration	24	documentation
			alternative offer triggered by IM
	enumeration	25	documentation
			offer/final offer rejected (without revision)
	enumeration	26	documentation
			alternative offer rejected (without revision)
	enumeration	27	documentation
			offer/final offer rejected (revision required)
	enumeration	28	documentation
			alternative offer rejected (revision required)
	enumeration	29	documentation
			withdrawal
	enumeration	30	documentation
			Create Dossier
	enumeration	31	documentation
			Close Dossier
	enumeration	32	documentation
			Path canceled full
	enumeration	33	documentation
			Path canceled partial
	enumeration	40	documentation
			Fully Assembled Path (FAP, constructed path)
	enumeration	42	documentation
			Preparation of draft offer – accepted
	enumeration	43	documentation
			Preparation of draft offer – rejected
	enumeration	44	documentation

			Draft offer rejected
	enumeration	45	documentation Draft no alternative available
	enumeration	50	documentation activate path (utilisation notification)
	enumeration	51	documentation deactivate path (utilisation notification)
	enumeration	52	documentation confirmation of utilisation notification
	enumeration	53	documentation Path and train cancelled
	enumeration	54	documentation Pre-booking in progress
	enumeration	65	documentation Preparation of alternative offer in progress due to route update (used in PathNotAvailableMessage)
	enumeration	66	documentation Booked after route update (used in PathDetailsMessage)
annotation	documentation Enumeration indicating to which process step / process type in the planning does the message belong		

source

```
<xs:simpleType name="TypeOfInformationCode">
  <xs:annotation>
    <xs:documentation>Enumeration indicating to which process step / process type
in the planning does the message belong</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:integer">
    <xs:maxInclusive value="99"/>
    <xs:minInclusive value="0"/>
    <xs:enumeration value="1">
      <xs:annotation>
        <xs:documentation>harmonisation - in process</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="2">
      <xs:annotation>
        <xs:documentation>harmonisation - accepted</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="3">
      <xs:annotation>
        <xs:documentation>harmonisation - rejected</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="4">
      <xs:annotation>
        <xs:documentation>Request ready</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="5">
      <xs:annotation>
        <xs:documentation>path study request</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="6">
      <xs:annotation>
        <xs:documentation>pre-arranged path/reserve capacity</xs:documentation>
```

```
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="7">
      <xs:annotation>
        <xs:documentation>create offer</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="8">
      <xs:annotation>
        <xs:documentation>coordination update</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="9">
      <xs:annotation>
        <xs:documentation>draft offer</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="10">
      <xs:annotation>
        <xs:documentation>draft alternative offer</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="11">
      <xs:annotation>
        <xs:documentation>observation - in process</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="12">
      <xs:annotation>
        <xs:documentation>observation - complete</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="13">
      <xs:annotation>
        <xs:documentation>preparation of final offer - in
process</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="14">
      <xs:annotation>
        <xs:documentation>preparation of final offer - accepted</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="15">
      <xs:annotation>
        <xs:documentation>preparation of final offer - rejected</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="16">
      <xs:annotation>
        <xs:documentation>final offer</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="17">
      <xs:annotation>
```

```
        <xs:documentation>final offer - accepted</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="18">
      <xs:annotation>
        <xs:documentation>alternative offer accepted</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="19">
      <xs:annotation>
        <xs:documentation>pre-accepted offer</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="20">
      <xs:annotation>
        <xs:documentation>Final Offer rejected</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="21">
      <xs:annotation>
        <xs:documentation>no alternative available</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="22">
      <xs:annotation>
        <xs:documentation>booked</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="23">
      <xs:annotation>
        <xs:documentation>preparation of draft alternative offer is in
progress</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="24">
      <xs:annotation>
        <xs:documentation>alternative offer triggered by IM</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="25">
      <xs:annotation>
        <xs:documentation>offer/final offer rejected (without
revision)</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="26">
      <xs:annotation>
        <xs:documentation>alternative offer rejected (without
revision)</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="27">
      <xs:annotation>
        <xs:documentation>offer/final offer rejected (revision
required)</xs:documentation>
```

```
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="28">
      <xs:annotation>
        <xs:documentation>alternative offer rejected (revision
required)</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="29">
      <xs:annotation>
        <xs:documentation>withdrawal</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="30">
      <xs:annotation>
        <xs:documentation>Create Dossier</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="31">
      <xs:annotation>
        <xs:documentation>Close Dossier</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="32">
      <xs:annotation>
        <xs:documentation>Path canceled full</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="33">
      <xs:annotation>
        <xs:documentation>Path canceled partial</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="40">
      <xs:annotation>
        <xs:documentation>Fully Assembled Path (FAP, constructed
path)</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="42">
      <xs:annotation>
        <xs:documentation>Preparation of draft offer – accepted</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="43">
      <xs:annotation>
        <xs:documentation>Preparation of draft offer – rejected</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="44">
      <xs:annotation>
        <xs:documentation>Draft offer rejected</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="45">
```

```
      <xs:annotation>
        <xs:documentation>Draft no alternative available</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="50">
      <xs:annotation>
        <xs:documentation>activate path (utilisation
notification)</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="51">
      <xs:annotation>
        <xs:documentation>deactivate path (utilisation
notification)</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="52">
      <xs:annotation>
        <xs:documentation>confirmation of utilisation
notification</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="53">
      <xs:annotation>
        <xs:documentation>Path and train cancelled </xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="54">
      <xs:annotation>
        <xs:documentation>Pre-booking in progress</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="65">
      <xs:annotation>
        <xs:documentation>Preparation of alternative offer in progress due to route
update (used in PathNotAvailableMessage)</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="66">
      <xs:annotation>
        <xs:documentation>Booked after route update (used in
PathDetailsMessage)</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
  </xs:restriction>
</xs:simpleType>
```

simpleType **TypeOfLoadUnitType**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	base xs:token

used by	elements **ILU_Type** **IntermodalTransportDataType/TypeOfLoadUnit**
facets	Kind / Value / Annotation enumeration 00 documentation unknown enumeration 01 documentation Container enumeration 02 documentation swap bodies enumeration 03 documentation semitrailers enumeration 04 documentation truck
annotation	documentation 00=unknown, 01=Container, 02=swap bodies, 03=semitrailers, 04=truck

source

```
<xs:simpleType name="TypeOfLoadUnitType">
  <xs:annotation>
    <xs:documentation>00=unknown, 01=Container, 02=swap bodies, 03=semitrailers,
04=truck</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:token">
    <xs:enumeration value="00">
      <xs:annotation>
        <xs:documentation>unknown</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="01">
      <xs:annotation>
        <xs:documentation>Container</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="02">
      <xs:annotation>
        <xs:documentation>swap bodies</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="03">
      <xs:annotation>
        <xs:documentation>semitrailers</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="04">
      <xs:annotation>
        <xs:documentation>truck</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
  </xs:restriction>
</xs:simpleType>
```

simpleType **TypeOfRequestCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:short**

properties	base xs:short
used by	element **TypeOfRequest**
facets	Kind Value Annotation minInclusive 1 enumeration 1 documentation Study enumeration 2 documentation Request enumeration 3 documentation Modification
annotation	documentation Enumeration for the 3 different basic types of the planning processes types in the planning: Study (1), Request (2), Modification (3)

source

```
<xs:simpleType name="TypeOfRequestCode">
  <xs:annotation>
    <xs:documentation>Enumeration for the 3 different basic types of the planning processes types in the planning: Study (1), Request (2), Modification (3)</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:short">
    <xs:minInclusive value="1"/>
    <xs:enumeration value="1">
      <xs:annotation>
        <xs:documentation>Study</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="2">
      <xs:annotation>
        <xs:documentation>Request</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="3">
      <xs:annotation>
        <xs:documentation>Modification</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
  </xs:restriction>
</xs:simpleType>
```

simpleType **TypeOfRUHarmonizationCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string
used by	element **TypeOfRUHarmonization**
facets	Kind Value Annotation enumeration Full enumeration Part enumeration None

annotation	documentation Type of RU harmonization: Full, Part, None.
source	<xs:simpleType name="TypeOfRUHarmonizationCode"> <xs:annotation> <xs:documentation>Type of RU harmonization: Full, Part, None.</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Full"/> <xs:enumeration value="Part"/> <xs:enumeration value="None"/> </xs:restriction> </xs:simpleType>

simpleType **UnitType**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
properties	base xs:token
facets	Kind / Value / Annotation enumeration 1 documentation Container enumeration 2 documentation Other intermodal traffic enumeration 4 documentation Rolling road (RR) enumeration 6 documentation Semi-trailer on bogies enumeration 10 documentation Container less than 20' enumeration 11 documentation Container 20' enumeration 12 documentation Container 30' enumeration 13 documentation Container 40' enumeration 40 documentation Semi-trailer truck/articulated lorry enumeration 41 documentation Road tractor enumeration 42 documentation Lorry without trailer enumeration 43 documentation Lorry with trailer enumeration 50 documentation Semi-trailer/road semi-trailer enumeration 51 documentation Swap bodies
annotation	documentation Indicates the type of a Transportation unit.
source	<xs:simpleType name="UnitType"> <xs:annotation> <xs:documentation>Indicates the type of a Transportation unit.</xs:documentation>

```
    </xs:annotation>
    <xs:restriction base="xs:token">
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>Container</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>Other intermodal traffic</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="4">
        <xs:annotation>
          <xs:documentation>Rolling road (RR)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="6">
        <xs:annotation>
          <xs:documentation>Semi-trailer on bogies</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="10">
        <xs:annotation>
          <xs:documentation>Container less than 20’</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="11">
        <xs:annotation>
          <xs:documentation>Container 20’</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="12">
        <xs:annotation>
          <xs:documentation>Container 30’</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="13">
        <xs:annotation>
          <xs:documentation>Container 40’</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="40">
        <xs:annotation>
          <xs:documentation>Semi-trailer truck/articulated lorry</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="41">
        <xs:annotation>
          <xs:documentation>Road tractor</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="42">
        <xs:annotation>
          <xs:documentation>Lorry without trailer</xs:documentation>
```

```
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="43">
      <xs:annotation>
        <xs:documentation>Lorry with trailer</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="50">
      <xs:annotation>
        <xs:documentation>Semi-trailer/road semi-trailer</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="51">
      <xs:annotation>
        <xs:documentation>Swap bodies</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
  </xs:restriction>
</xs:simpleType>
```

simpleType **VolumeValue**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**xs:float**
properties	base xs:float
used by	elements **DangerousGoodsVolume** **RID/DangerousGoodsVolume** **DanGoodsType/DangerousGoodsVolume** **Volume**
annotation	documentation Volume value of the load units by cbm

source	`<xs:simpleType name="VolumeValue">`
	`  <xs:annotation>`
	`  <xs:documentation>Volume value of the load units by cbm</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:float"/>`
	`</xs:simpleType>`

simpleType **WagonIdent**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:string**
properties	base xs:string
used by	elements **RollingStockDataset/AdministrativeDataSet/PreviousWagonNumberFreight** **WagonNumberFreight** **ConsignmentOrderMessage/COMS/COM/WagonPreviousNumberFreight**
facets	Kind Value Annotation maxLength 12 pattern [0-9]{12}
annotation	documentation Identification code of a freight wagon based on the TSI OPE and CEN Recommendations and CIS wagons coded according to OSJD-UIC leaflet 402, which allows the conversion from 8 digits to 12 digits and viceversa.

source	<xs:simpleType name="WagonIdent"> <xs:annotation> <xs:documentation>Identification code of a freight wagon based on the TSI OPE and CEN Recommendations and CIS wagons coded according to OSJD-UIC leaflet 402, which allows the conversion from 8 digits to 12 digits and viceversa.</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:maxLength value="12"/> <xs:pattern value="[0-9]{12}"/> </xs:restriction> </xs:simpleType>

simpleType **WeekType**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	base xs:integer
used by	elements **RoughDurationType/EndWeek** **RoughDurationType/StartWeek**
facets	Kind Value Annotation minInclusive 1 maxInclusive 52
source	<xs:simpleType name="WeekType"> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="52"/> </xs:restriction> </xs:simpleType>

simpleType **WeightValueKilo**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:integer**
properties	base xs:integer
used by	elements **DangerousGoodsWeight** **GrossWeight** **MaxGrossWeight** **ILU_Details/TareWeight** **ITU_Details/TareWeight** **RollingRoadUnit/RollingRoadUnitDetails/TareWeightVehicle** **TotalLoadWeight** **TotalWeight** **LoadingTackles/TotalWeightLoadingTackles** **WagonWeightEmpty** **RID/WeightNettoExplosiveMass**
facets	Kind Value Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse
annotation	documentation In Kilograms
source	<xs:simpleType name="WeightValueKilo"> <xs:annotation> <xs:documentation>In Kilograms</xs:documentation> </xs:annotation>

```
  <xs:restriction base="xs:integer">
    <xs:minInclusive value="0"/>
    <xs:maxInclusive value="999999"/>
    <xs:whiteSpace value="collapse"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **WeightValueTonne**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:int**
properties	base xs:int
used by	elements **TractionWeight** **TrainWeight** **WeightOfSetOfCarriages**
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation In Tonnes

source	`<xs:simpleType name="WeightValueTonne">`
	`  <xs:annotation>`
	`  <xs:documentation>In Tonnes</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:int">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="99999"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

attribute **CI_InstanceNumber**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	**Numeric2-2**
used by	elements **Recipient** **Sender**
facets	Kind Value Annotation minInclusive 01 maxInclusive 99
annotation	documentation Number of a Common Interface Instance for the same Company

source	`<xs:attribute name="CI_InstanceNumber" type="Numeric2-2">`
	`  <xs:annotation>`
	`  <xs:documentation>Number of a Common Interface Instance for the same Company</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

attribute **ExpansionType**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
used by	complexType **TemporalExpansionType**
facets	Kind / Value / Annotation enumeration PERIODICAL enumeration CONTINUOUS
annotation	documentation Temporal Expansion type of the TCR. Value : PERIODICAL CONTINUOUS
source	<xs:attribute name="ExpansionType"> <xs:annotation> <xs:documentation>Temporal Expansion type of the TCR. Value : PERIODICAL CONTINUOUS </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="PERIODICAL"/> <xs:enumeration value="CONTINUOUS"/> </xs:restriction> </xs:simpleType> </xs:attribute>

attribute **LocationSubsidiaryTypeCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
used by	element **LocationSubsidiaryCode**
facets	Kind / Value / Annotation enumeration 0 — documentation: Not Defined; documentation: not used enumeration 1 — documentation: Track; documentation: The track is a uniquely defined part of location enumeration 2 — documentation: Private Siding; documentation: Tracks are not for open access enumeration 3 — documentation: Border Point Code; documentation: Special code for the Border Points are allocated at the country border and the points between different IM networks. Location of these points sometimes are not geographically same with the station or yard. Therefore these points are "logical point"

	enumeration	4	documentation Sorting Code documentation Destination station of the wagon has a code in order to provide shunting technology.
	enumeration	5	documentation Vehicle Parking Points documentation All points (tracks)
	enumeration	6	documentation Public Loading Places documentation Is a type of physical location on the open access network where consignor or consignee can load or unload wagons
	enumeration	7	documentation Private Loading Places documentation Is a type of physical location outside the open access network where consignor or consignee can load or unload wagons
	enumeration	8	documentation IM Path Tariff Point documentation Price Segment change between two IM Networks.
	enumeration	9	documentation Depot / Maintenance workshop. Place for overhaul or maintenance of the rolling stock.
	enumeration	10	documentation Switch/turnout documentation The location where two tracks meet or diverge.
	enumeration	11	documentation Grade Crossing documentation The location where two tracks on the same level cross each other.
	enumeration	12	documentation Section of the track documentation Section is inside of the location considered part of a track.
	enumeration	13	documentation Twin track point documentation The spot where is end or start of the twinned track section.
	enumeration	14	documentation Retarder (rail brake) documentation Trackside equipment to control the speed of the wagons running from the shunting hump.
	enumeration	15	documentation Platform documentation The area next to the track which has been raised to make access to railway vehicles easier.
	enumeration	16	documentation Railing documentation barrier Safety equipment used to prevent access to the track by people and animals.
	enumeration	17	documentation Movable scotch block documentation Safety equipment across the track avoiding any unnecessary moving beyond that point.
	enumeration	18	documentation

			Derailing stop / Trap points / Catch points documentation
	enumeration	19	Safety equipment is on one rail avoiding any unnecessary moving beyond that point. documentation
	enumeration	20	Loading equipment documentation Special equipment to facilitate the loading and unloading on the Public Loading Places. documentation
	enumeration	21	Weighbridge documentation Special equipment is to facilitate the measure of the weight of the wagon. documentation
	enumeration	22	Building documentation Those buildings where IM placed his staff for direct communication with RU staff or the IM buildings serve RU activities as well. documentation
	enumeration	23	Level crossing documentation Place where rail and road crossing in level. on the same level (grade) documentation
	enumeration	24	Bridge documentation Special built structure is over the road documentation
	enumeration	25	Tunnel documentation Structure to to allow a railway line to pass under the surface. documentation
	enumeration	26	Underpass documentation Undercrossing or underground passage under the railway track. (Not used by trains) documentation
	enumeration	27	Block section documentation Block section outside of the location with primary code. In other words: a section on the open track between stations defined by signalling system. documentation
	enumeration	28	Signal documentation A signal is a mechanical or electrical device erected beside a railway line to pass information relating to the state of the line ahead to train drivers/engineers. documentation
	enumeration	29	Sign and board documentation Equipment to inform the board staff for train traffic and shunting. documentation
	enumeration	30	Phase break documentation Border of the power supply systems (catenary). documentation
	enumeration	32	Leap in kilometer documentation The section has deviation in length i. e. the section more or less than called. documentation
	enumeration	33	Balise documentation A balise is an electronic beacon or transponder placed between the rails of a railway as part of an Automatic Train Protection (ATP) system. documentation

			Hot spot detector documentation Trackside equipment which detects hot wheels or axle-box on passing trains.
	enumeration	34	documentation Flat wheel detector documentation Trackside equipment which detects flat spots on wheels on passing trains.
	enumeration	35	documentation Dynamic wheel load documentation detector Special equipment is in trackside for inspect of the overloaded wagons.
	enumeration	36	documentation Freight yard documentation A freight yard is commercial usage of a physical location which can be used as a sending or a destination station in freight orders of rail freight transports. The freight yard can have his own codification
	enumeration	37	documentation Loading point documentation A loading point is a commercial usage of a physical location. Each loading point is assigned to a yard.
	enumeration	38	documentation IM Network link documentation It allows to link two locations from different IM Networks
	enumeration	39	documentation Reservation code
	enumeration	40	documentation Metastation documentation To mark a meta location that forms the link between different stations that are considered as equal (for the traveller)
	enumeration	41	documentation CompanySpecificIdentifier documentation Company specific identifier of the primary location
	enumeration	42	documentation DIUM stations - Places of acceptance/delivery Station open into international traffic of goods (tariff point included in DIUM) – consignment acceptance/delivery station (loading points are excluded and covered by TypeCode 37).
	enumeration	43	documentation Passengers cars public loadingIs a type of physical location on the open access network where passengers can put their car on a carrying train
	enumeration	44	documentation Passengers cars private loading Is a type of physical location outside the open access network where passengers can put their car on a carrying train
	enumeration	45	documentation Sewage dump Place for cleaning purposes - disposal of the waste

	enumeration	46	documentation	Refuelling Point	Location where refuelling takes place
	enumeration	47	documentation	Mains Supply	Location where energy supply can be provided for the rolling stock e.g. preheating
	enumeration	48	documentation	Water Supply	Location where water supply can be provided for the rolling stock
	enumeration	49	documentation	Compressed plant	Train on a track with motion stabled with external air supply for braking systems
	enumeration	50	documentation	Indoor cleaning platform	Cleaning point -interior
	enumeration	51	documentation	Car-wash plant	Cleaning point -outdoor
	enumeration	52	documentation	Short dry-cleaning track	Cleaning point
	enumeration	53	documentation	Pollution protective plate	Track where floor that avoids pollution of the earth below
	enumeration	54	documentation	Sand-filling station	Location where sand is filled
	enumeration	55	documentation	Repair track	Location where a train/wagon/engine can be repaired
	enumeration	56	documentation	Signal box	The location of a building containing signalling equipment
	enumeration	57	documentation Intermodal Terminal documentation		

			Intermodal Terminal is a location which provides the space, equipment and operational environment under which the transfer of loading units (freight containers, swap bodies, semi-trailers or trailers) takes place
	enumeration	58	documentation OSJD system based location documentation Location code used within OSJD
	enumeration	59	documentation Train Service Substitute Stop documentation Place outside of railway station or railway stop, where passengers board or leave bus or any other transport mean as substitution of train service. Physical part of Primary Location.
	enumeration	60	documentation Multifunctional rail terminal documentation Facilities for conventional and/or intermodal rail/road transshipment principally open for public use and for all types of cargo. This kind of facility does not only provide transshipment, but also additional services like storage, consignment or road pre/end haulage. Physical part of Primary Location.
	enumeration	61	documentation Relief facility documentation Facilities providing equipment and infrastructure used to overcome a disruption (derailment, collision or other accidents). Physical part of Primary Location.
	enumeration	66	documentation Location ENEE Code documentation Legacy ENEE code of the parent primary location. Different coding of primary location.
	enumeration	70	documentation Network Border documentation Network border between two neighboring IM's; first or last Primary Location on a network. Attribute of primary location.
	enumeration	71	documentation State border documentation Political border between two member states. Attribute of primary location.
	enumeration	72	documentation Administrative border documentation Border point inside a member state to define federal structures or administrative districts or local areas. Attribute of primary location.
	enumeration	74	documentation Operational handover documentation Location where the responsibility for operation changes or can change between two involved IMs. Attribute of primary location.
	enumeration	75	documentation Planning handover documentation Location where the responsibility for timetable planning and path allocation changes or can change between two involved IMs. Attribute of primary location.
	enumeration	76	documentation Other technical facility documentation All technical installations and services that are not included in other facility types. E.g. Pre heating, de icing, air conditioning, Washing/cleaning of rolling stock, Disinfection of rolling stock, Sewage removal and Stationary brake test facilities. Physical part of Primary Location.
	enumeration	90	documentation Test Loc

	enumeration 99 documentation Relation to Station documentation An indicator used to show that this location is a subsidiary of another location.
source	

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location</xs:documentation>
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country border and the points between different IM networks. Location of these points
sometimes are not geographically same with the station or yard. Therefore these points
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```

```
where consignor or consignee can load or unload wagons</xs:documentation>
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```

```
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running from the shunting hump.</xs:documentation>
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unnecessary moving beyond that point.</xs:documentation>
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moving beyond that point.</xs:documentation>
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unloading on the Public Loading Places.</xs:documentation>
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communication with RU staff or the IM buildings serve RU activities as
well.</xs:documentation>
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```

```
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track. (Not used by trains)</xs:documentation>
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In other words: a section on the open track between stations defined by signalling
system.</xs:documentation>
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to train drivers/engineers.</xs:documentation>
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and shunting.</xs:documentation>
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```
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between the rails of a railway as part of an Automatic Train Protection (ATP)
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axle-box on passing trains.</xs:documentation>
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on passing trains.</xs:documentation>
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location which can be used as a sending or a destination station in freight orders
of rail freight transports. The freight yard can have his own
codification</xs:documentation>
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location. Each loading point is assigned to a yard.</xs:documentation>
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```

```
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Networks</xs:documentation>
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open into international traffic of goods (tariff point included in DIUM) – consignment
acceptance/delivery station (loading points are excluded and covered by TypeCode 37).
                            </xs:documentation>
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train
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carrying train
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```

```
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                          Sewage dump  Place for cleaning purposes - disposal of
the waste
                          </xs:documentation>
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      <xs:enumeration value="46">
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                          Refuelling Point    Location where refuelling takes
place
                          </xs:documentation>
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                          Mains Supply Location where energy supply can be
provided for the rolling stock e.g. preheating
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for the rolling stock
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with external air supply for braking systems
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                          Indoor cleaning platform  Cleaning point -interior
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```

```
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                          Pollution protective plateTrack where floor that avoids
pollution of the earth below
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                          Repair track Location where a train/wagon/engine can be
repaired
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signalling equipment
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space, equipment and operational environment under which the transfer of loading
units (freight containers, swap bodies, semi-trailers or trailers) takes place
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      <xs:enumeration value="58">
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      <xs:enumeration value="59">
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```

```
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passengers board or leave bus or any other transport mean as substitution of train
service. Physical part of Primary Location.</xs:documentation>
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rail/road transshipment principally open for public use and for all types of cargo.
This kind of facility does not only provide transshipment, but also additional
services like storage, consignment or road pre/end haulage. Physical part of Primary
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of Primary Location.</xs:documentation>
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of primary location.</xs:documentation>
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structures or administrative districts or local areas. Attribute of primary
location.</xs:documentation>
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```

```
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or can change between two involved IMs. Attribute of primary
location.</xs:documentation>
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planning and path allocation changes or can change between two involved IMs. Attribute
of primary location.</xs:documentation>
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included in other facility types. E.g. Pre heating, de icing, air conditioning,
Washing/cleaning of rolling stock, Disinfection of rolling stock, Sewage removal and
Stationary brake test facilities. Physical part of Primary
Location.</xs:documentation>
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subsidiary of another location.</xs:documentation>
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attribute **TCRTimeQualifier**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
used by	element **TCRTimeAtLocation**
facets	Kind / Value / Annotation enumeration START_LOCATION enumeration END_LOCATION enumeration ALL_LOCATIONS

annotation	documentation Timing and offset definition at a specific location. Value : START_LOCATION END_LOCATION ALL_LOCATIONS
source	<xs:attribute name="TCRTimeQualifier"> <xs:annotation> <xs:documentation>Timing and offset definition at a specific location. Value : START_LOCATION END_LOCATION ALL_LOCATIONS </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="START_LOCATION"/> <xs:enumeration value="END_LOCATION"/> <xs:enumeration value="ALL_LOCATIONS"/> </xs:restriction> </xs:simpleType> </xs:attribute>

attribute **TimingQualifierCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.5
type	restriction of **xs:token**
used by	element **TimingAtLocation/Timing**
facets	Kind / Value / Annotation enumeration PLA documentation Public Location Arrival enumeration PLD documentation Public Location Departure enumeration ELA documentation Earliest Location Arrival enumeration ELD documentation Earliest Location Departure enumeration LLA documentation Latest Location Arrival enumeration LLD documentation Latest Location Departure enumeration ALA documentation Actual Location Arival enumeration ALD documentation Actual Location Departure enumeration ERT documentation Earliest Run Through enumeration ART documentation Actual Run Through enumeration LRT documentation Latest Run Through
source	<xs:attribute name="TimingQualifierCode"> <xs:annotation> <xs:documentation/>

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</xs:annotation>
<xs:simpleType>
  <xs:restriction base="xs:token">
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        <xs:documentation>Public Location Arrival</xs:documentation>
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    <xs:enumeration value="ART">
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      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="LRT">
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```

	`<xs:documentation>Latest Run Through</xs:documentation>`
	`</xs:annotation>`
	`</xs:enumeration>`
	`</xs:restriction>`
	`</xs:simpleType>`
	`</xs:attribute>`

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