

Model

Package in package "

Model
Version Phase 1.0 Proposed
km created on 11.02.2025. Last modified 11.02.2025

Requirements Model

Package in package 'Model'

Requirements Model
Version Phase 1.0 Proposed
created on 08.11.2012. Last modified 08.11.2012

Requirements Model diagram

Custom diagram in package 'Requirements Model'

Requirements Model
Version 1.0
seid.magljalic created on 19.11.2005. Last modified 27.05.2013

Name: Requirements Model
Author: seid.magljalic
Version: 1.0
Created: 19.11.2005 00:00:00
Updated: 27.05.2013 07:59:18

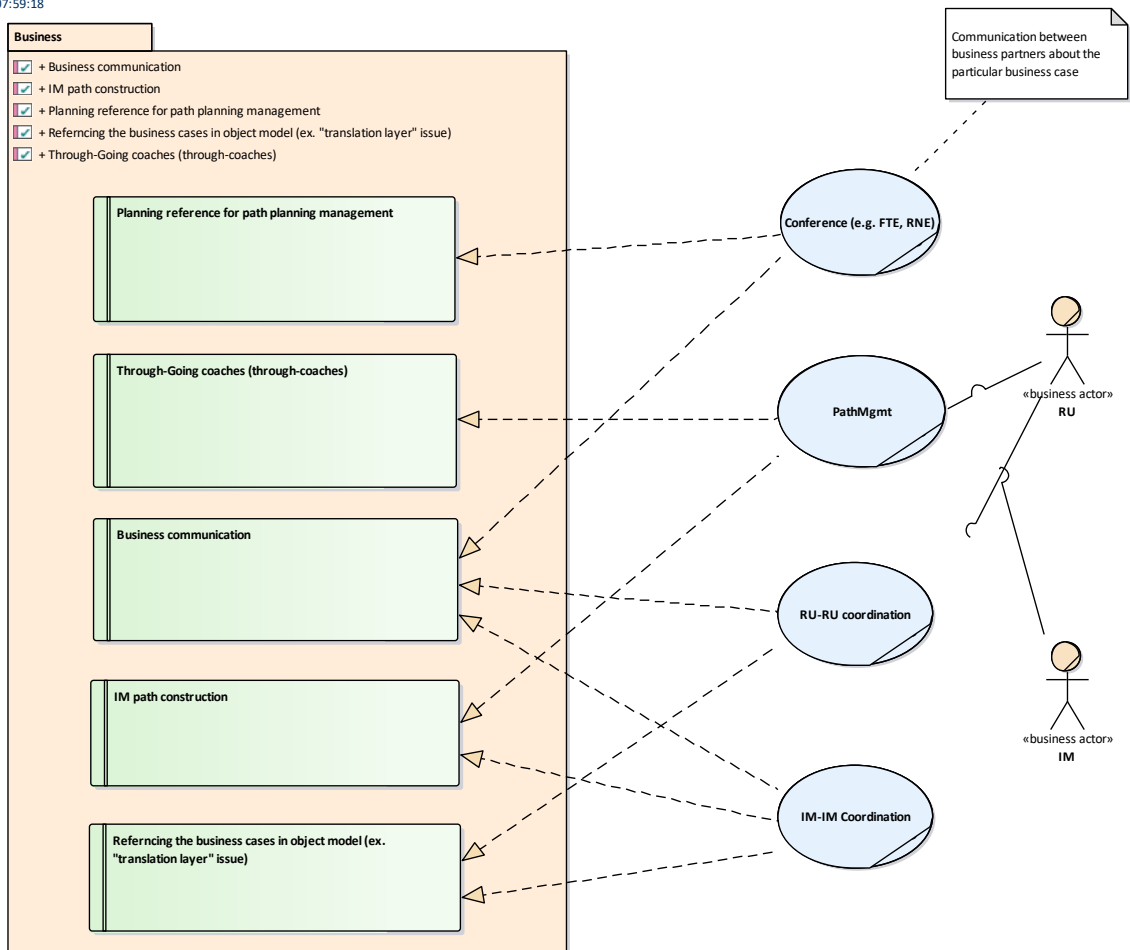





Figure 1: Requirements Model

IM

Actor «business actor» in package 'Stakeholders'

IM

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CONNECTORS	
 UseCaseLink Source -> Destination From: IM : Actor, Public To: PathMgmt : UseCase, Public	
ASSOCIATIONS	
 Association (direction: Unspecified) Source: Public (Actor) IM «business actor»	Target: Public (UseCase) Conference (e.g. FTE, RNE) «business use case»
 Association (direction: Unspecified) Source: Public (Actor) IM «business actor»	Target: Public (UseCase) IM-IM Coordination «business use case»

RU

Actor «business actor» in package 'Stakeholders'

RU

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CONNECTORS	
 UseCaseLink Source -> Destination From: RU : Actor, Public To: Conference (e.g. FTE, RNE) : UseCase, Public	
 UseCaseLink Source -> Destination From: RU : Actor, Public To: RU-RU coordination : UseCase, Public	
 UseCaseLink Source -> Destination From: RU : Actor, Public To: PathMgmt : UseCase, Public	

CONNECTORS
<p> Dependency Source -> Destination</p> <p>From: Applicant : Actor, Public</p> <p>To: RU : Actor, Public</p>

Note

Note in package 'Requirements Model'

Communication between business partners about the particular business case

Note
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 Extends

Business

Package in package 'Requirements Model'

Business
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Text



Text in package 'Requirements Model'

Text
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 Extends

Business communication

Requirement «Functional» in package 'Business'

Business communication
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INCOMING STRUCTURAL RELATIONSHIPS
<p> Realization from «business use case» RU-RU coordination to «Functional» Business communication [Direction is 'Source -> Destination'.]</p>
<p> Realization from «business use case» Conference (e.g. FTE, RNE) to «Functional» Business communication [Direction is 'Source -> Destination'.]</p>

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Realization from «business use case» IM-IM Coordination to «Functional» Business communication
 [Direction is 'Source -> Destination'.]

IM path construction

Requirement «Functional» in package 'Business'

TG1/TG4

IM path construction
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INCOMING STRUCTURAL RELATIONSHIPS

⇒ Realization from «business use case» PathMgmt to «Functional» IM path construction
 [Direction is 'Source -> Destination'.]

⇒ Realization from «business use case» IM-IM Coordination to «Functional» IM path construction
 [Direction is 'Source -> Destination'.]

Planning reference for path planning management

Requirement «Functional» in package 'Business'

FTE

Planning reference for path planning management
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INCOMING STRUCTURAL RELATIONSHIPS

⇒ Realization from «business use case» Conference (e.g. FTE, RNE) to «Functional» Planning reference for path planning management
 [Direction is 'Source -> Destination'.]

Referencing the business cases in object model (ex. "translation layer" issue)

Requirement «Functional» in package 'Business'

Referencing the business cases in object model (ex. "translation layer" issue)
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INCOMING STRUCTURAL RELATIONSHIPS
<p>⇒ Realization from «business use case» RU-RU coordination to «Functional» Referncing the business cases in object model (ex. "translation layer" issue)</p> <p>[Direction is 'Source -> Destination'.]</p>
<p>⇒ Realization from «business use case» IM-IM Coordination to «Functional» Referncing the business cases in object model (ex. "translation layer" issue)</p> <p>[Direction is 'Source -> Destination'.]</p>

Through-Going coaches (through-coaches)

Requirement «Functional» in package 'Business'

TG1

Through-Going coaches (through-coaches)
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INCOMING STRUCTURAL RELATIONSHIPS
<p>⇒ Realization from «business use case» PathMgmt to «Functional» Through-Going coaches (through-coaches)</p> <p>[Direction is 'Source -> Destination'.]</p>



Conference (e.g. FTE, RNE)



UseCase «business use case» owned by 'Overview of European Rail Business', in package 'Main Workflows'


Conference (e.g. FTE, RNE)
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ELEMENTS OWNED BY Conference (e.g. FTE, RNE)
<p>📄 business case identification : Activity «business use case»</p>
<p>📄 common review : Activity «business use case»</p>
<p>📄 defining of volumes (trains/wagons) : Activity «business use case»</p>
<p>📄 IM Coordination : Activity «business use case»</p>
<p>📄 negotiation : Activity «business use case»</p>

ELEMENTS OWNED BY Conference (e.g. FTE, RNE)
 RU coordination : Activity «business use case»
 ActivityFinal : ActivityFinal «business use case»
 ActivityInitial : ActivityInitial «business use case»

EXTERNAL REQUIREMENTS
 Requirement. Business communication [Stereotype is «Functional»]
 Requirement. Planning reference for path planning management FTE [Stereotype is «Functional»]

OUTGOING STRUCTURAL RELATIONSHIPS
 Realization from «business use case» Conference (e.g. FTE, RNE) to «Functional» Planning reference for path planning management [Direction is 'Source -> Destination'.]
 Realization from «business use case» Conference (e.g. FTE, RNE) to «Functional» Business communication [Direction is 'Source -> Destination'.]

CONNECTORS
 UseCaseLink Source -> Destination From: RU : Actor, Public To: Conference (e.g. FTE, RNE) : UseCase, Public

ASSOCIATIONS
 Association (direction: Unspecified) Source: Public (Actor) IM «business actor» Target: Public (UseCase) Conference (e.g. FTE, RNE) «business use case»

business case identification

Activity owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'


business case identification
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STRUCTURAL PART OF business case identification

 ObjectNode2 : ActionPin


OUTGOING BEHAVIORAL RELATIONSHIPS

Name: create

 Object Flow from business case identification to Business Case

 ControlFlow from business case identification to defining of volumes (trains/wagons)

INCOMING BEHAVIORAL RELATIONSHIPS

 ControlFlow from negotiation to business case identification

ObjectNode2


ActionPin owned by 'business case identification', in package 'Main Workflows'

common review


Activity owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'

common review
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OUTGOING BEHAVIORAL RELATIONSHIPS

 ControlFlow from common review to RU coordination











INCOMING BEHAVIORAL RELATIONSHIPS



 ControlFlow from defining of volumes (trains/wagons) to common review


defining of volumes (trains/wagons)

Activity owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'

defining of volumes (trains/wagons)

ELEMENTS OWNED BY defining of volumes (trains/wagons)
 create train object : Action
 Relate to business case : Action
 BusinessCase : Activity
 define the transport volume : Activity
 detect number of trains : Activity
 detect throughgoing coaches : Activity
 Train Lifecycle Overview : Activity
 Train-Global : Activity
 ActivityInitial : ActivityInitial
 ActivityFinal : ActivityFinal

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from defining of volumes (trains/wagons) to common review
Name: create/update
 Object Flow from defining of volumes (trains/wagons) to Coach

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from business case identification to defining of volumes (trains/wagons)

create train object

Action owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

create train object
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OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐⇐⇐ Object Flow from create train object to Train (Plan)</p>
<p>⇐⇐⇐ ControlFlow from create train object to Relate to business case</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒⇒⇒ ControlFlow from as many as needed to create train object</p>

Relate to business case

Action owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

Relate to business case
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OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐⇐⇐ ControlFlow from Relate to business case to Synchronization</p>
<p>Name: link</p> <p>⇐⇐⇐ Object Flow from Relate to business case to Business Case</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒⇒⇒ ControlFlow from create train object to Relate to business case</p>

BusinessCase

Activity owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

BusinessCase
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INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒⇒⇒ Object Flow from Business Case to BusinessCase</p>

define the transport volume

Activity owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

how many coaches?
 throughgoing coaches?
 complete/block trains?

define the transport volume
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OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from define the transport volume to detect throughgoing coaches


INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from ActivityInitial to define the transport volume

detect number of trains

Activity owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

detect number of trains
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OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from detect number of trains to as many as needed

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from detect throughgoing coaches to detect number of trains

detect throughgoing coaches

Activity owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

detect throughgoing coaches
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OUTGOING BEHAVIORAL RELATIONSHIPS
Name: create
 Object Flow from detect throughgoing coaches to Coach

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from detect throughgoing coaches to detect number of trains

INCOMING BEHAVIORAL RELATIONSHIPS

ControlFlow from define the transport volume to detect throughgoing coaches

Train Lifecycle Overview

Activity owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

Train Lifecycle Overview
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 seid.magljalic created on 18.06.2013. Last modified 18.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS

Object Flow from Train (Plan) to Train Lifecycle Overview

Train-Global

Activity owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

Train-Global
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INCOMING BEHAVIORAL RELATIONSHIPS

Object Flow from Train (Plan) to Train-Global

ActivityInitial

ActivityInitial owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from ActivityInitial to define the transport volume

ActivityFinal

ActivityFinal owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

INCOMING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Synchronization to ActivityFinal

IM Coordination

Activity owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'

IM Coordination
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OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from IM Coordination to Synchronize the activities

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Start path management and notify IMs to IM Coordination

negotiation

Activity owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'

negotiation
Version 1.0 Phase 1.0 Proposed
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STRUCTURAL PART OF negotiation

⚙ ObjectNode1 : ActionPin

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from negotiation to business case identification

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from ActivityInitial to negotiation

ObjectNode1

ActionPin owned by 'negotiation', in package 'Main Workflows'

RU coordination

Activity owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'

RU coordination
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OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from RU coordination to Start path management and notify IMs

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from common review to RU coordination

ActivityFinal

ActivityFinal owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Synchronize the activities to ActivityFinal

ActivityInitial

ActivityInitial owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from ActivityInitial to negotiation




IM-IM Coordination




UseCase «business use case» owned by 'Overview of European Rail Business', in package 'Main Workflows'


IM-IM Coordination
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ELEMENTS OWNED BY IM-IM Coordination

IM-IM coordination : Activity «business use case»

EXTERNAL REQUIREMENTS	
<p> Requirement. Business communication</p>	[Stereotype is «Functional»]
<p> Requirement. IM path construction</p> <p>TG1/TG4</p>	[Stereotype is «Functional»]
<p> Requirement. Referncing the business cases in object model (ex. "translation layer" issue)</p>	[Stereotype is «Functional»]


OUTGOING STRUCTURAL RELATIONSHIPS	
<p> Realization from «business use case» IM-IM Coordination to «Functional» Referncing the business cases in object model (ex. "translation layer" issue)</p>	[Direction is 'Source -> Destination'.]
<p> Realization from «business use case» IM-IM Coordination to «Functional» IM path construction</p>	[Direction is 'Source -> Destination'.]
<p> Realization from «business use case» IM-IM Coordination to «Functional» Business communication</p>	[Direction is 'Source -> Destination'.]

ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Actor) IM «business actor»</p> <p>Target: Public (UseCase) IM-IM Coordination «business use case»</p>	

IM-IM coordination

Activity owned by 'IM-IM Coordination', in package 'Main Workflows'

IM-IM coordination
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 25.03.2013. Last modified 19.06.2013

ELEMENTS OWNED BY IM-IM coordination
<p> Path : Activity</p>

Path

Activity owned by 'IM-IM coordination', in package 'Main Workflows'

Path
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INCOMING BEHAVIORAL RELATIONSHIPS
 Object Flow from Path (Plan) to Path



PathMgmt


UseCase «business use case» owned by 'Overview of European Rail Business', in package 'Main Workflows'

PathMgmt
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ELEMENTS OWNED BY PathMgmt
 Path Management : Activity «business use case»

EXTERNAL REQUIREMENTS
 Requirement. IM path construction TG1/TG4 [Stereotype is «Functional»]
 Requirement. Through-Going coaches (through-coaches) TG1 [Stereotype is «Functional»]



OUTGOING STRUCTURAL RELATIONSHIPS
 Realization from «business use case» PathMgmt to «Functional» Through-Going coaches (through-coaches) [Direction is 'Source -> Destination'.]
 Realization from «business use case» PathMgmt to «Functional» IM path construction [Direction is 'Source -> Destination'.]



CONNECTORS
<p> UseCaseLink Source -> Destination From: IM : Actor, Public To: PathMgmt : UseCase, Public</p>
<p> UseCaseLink Source -> Destination From: RU : Actor, Public To: PathMgmt : UseCase, Public</p>


Path Management

Activity owned by 'PathMgmt', in package 'Main Workflows'

Path Management
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ELEMENTS OWNED BY Path Management
 Dossier : Activity
 Path : Activity
 IM : ActivityPartition
 RU : ActivityPartition
 IM coordination : InterruptibleActivityRegion
 FlowFinal : FlowFinal

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Path Management to FlowFinal
 ControlFlow from Path Management to Synchronize the activities

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Start path management and notify IMs to Path Management

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from train adaption to Path Management</p>
<p>⇒ ControlFlow from solution? to Path Management Guard: path</p>

Dossier

Activity owned by 'Path Management', in package 'Main Workflows'

Dossier
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INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Object Flow from Dossier to Dossier</p>

Path

Activity owned by 'Path Management', in package 'Main Workflows'

Path
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INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Object Flow from Path (Plan) to Path</p>

IM

ActivityPartition owned by 'Path Management', in package 'Main Workflows'

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ELEMENTS OWNED BY IM
<p>☒ check capacity : Activity</p>
<p>☒ book path : Activity</p>
<p>☒ CaseReference : Activity</p>


ELEMENTS OWNED BY IM
 PathRequest : Activity
 Train : Activity
 IM : Event
 Start IM Activity : ActivityInitial

check capacity

Activity owned by 'IM', in package 'Main Workflows'

check capacity
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OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from check capacity to EXIT: Answer not possible Guard: capacity not available
 ControlFlow from check capacity to construct path Guard: capacity available

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Check path request to check capacity

book path

Activity owned by 'IM', in package 'Main Workflows'

book path
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OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from book path to FlowFinal

INCOMING BEHAVIORAL RELATIONSHIPS
Name: PathID

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Information Flow from Path Confirmed Message to book path

⇨ ControlFlow from send answer to book path

CaseReference

Activity owned by 'IM', in package 'Main Workflows'

CaseReference
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seid.magljalic created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Object Flow from CaseReference to CaseReference

PathRequest

Activity owned by 'IM', in package 'Main Workflows'

PathRequest
Version 1.0 Phase 1.0 Proposed
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INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Object Flow from PathRequest to PathRequest

Train

Activity owned by 'IM', in package 'Main Workflows'

Train
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INCOMING BEHAVIORAL RELATIONSHIPS



⇨ Object Flow from Train (Plan) to Train

IM

Event owned by 'IM', in package 'Main Workflows'

IM
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CONNECTORS
<p> Dependency Train ID: Mandatory Source -> Destination From: PathRequest Message : Trigger, Public To: IM : Event, Public</p>
<p> Dependency PathRequest ID: Mandatory Source -> Destination From: PathRequest Message : Trigger, Public To: IM : Event, Public</p>









Start IM Activity

ActivityInitial owned by 'IM', in package 'Main Workflows'

RU

ActivityPartition owned by 'Path Management', in package 'Main Workflows'

RU
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ELEMENTS OWNED BY RU
 harmonize train : Action
 init train ressource planning : Action
 planning the path needed : Action
 4.6 Planning Activity : Activity
 check offered path : Activity
 planning the ressources : Activity
 planning the train section : Activity
 Request path : Activity

ELEMENTS OWNED BY RU
request path : Activity
review with partners : Activity
send answer : Activity
ActivityInitial : ActivityInitial

harmonize train

Action owned by 'RU', in package 'Main Workflows'

harmonize train
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OUTGOING BEHAVIORAL RELATIONSHIPS
ControlFlow from harmonize train to planning the ressources
Name: update Object Flow from harmonize train to Coach
Name: update Object Flow from harmonize train to Train (Plan)

INCOMING BEHAVIORAL RELATIONSHIPS
ControlFlow from planning the train section to harmonize train
Object Flow from Train (Plan) to harmonize train

init train ressource planning

Action owned by 'RU', in package 'Main Workflows'

init train ressource planning
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OUTGOING BEHAVIORAL RELATIONSHIPS

OUTGOING BEHAVIORAL RELATIONSHIPS

↔ Object Flow from init train ressource planning to CaseReference

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from ActivityInitial to init train ressource planning

planning the path needed

Action owned by 'RU', in package 'Main Workflows'

planning the path needed
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STRUCTURAL PART OF planning the path needed

⚙ ActionPin1 : ActionPin

OUTGOING BEHAVIORAL RELATIONSHIPS

Name: create

↔ Object Flow from planning the path needed to PathRequest

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from planning the ressources to planning the path needed

ActionPin1

ActionPin owned by 'planning the path needed', in package 'Main Workflows'

4.6 Planning Activity

Activity owned by 'RU', in package 'Main Workflows'

4.6 Planning Activity
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OUTGOING BEHAVIORAL RELATIONSHIPS

↔ ControlFlow from 4.6 Planning Activity to Check path request

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Request path to 4.6 Planning Activity

check offered path

Activity owned by 'RU', in package 'Main Workflows'

check offered path
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OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from check offered path to review with partners

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from PathDetails Message to check offered path

⇒ ControlFlow from offer path to check offered path

planning the ressources

Activity owned by 'RU', in package 'Main Workflows'

Loco, Driver, RCP

planning the ressources
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OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from planning the ressources to planning the path needed

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from harmonize train to planning the ressources

planning the train section

Activity owned by 'RU', in package 'Main Workflows'

planning the train section
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OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from planning the train section to harmonize train</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Object Flow from CaseReference to planning the train section</p>

Request path

Activity owned by 'RU', in package 'Main Workflows'

Request path
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OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ Information Flow from Request path to PathRequest Message</p>
<p>⇐ ControlFlow from Request path to 4.6 Planning Activity</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Object Flow from PathRequest to Request path</p>

request path

Activity owned by 'RU', in package 'Main Workflows'

request path
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OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from request path to construct path</p>
<p>⇐ Information Flow from request path to PathRequest Message</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Object Flow from PathRequest to request path</p>

review with partners*Activity owned by 'RU', in package 'Main Workflows'*

review with partners
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from review with partners to send answer

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from check offered path to review with partners

send answer*Activity owned by 'RU', in package 'Main Workflows'*

send answer
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Information Flow from send answer to Path Confirmed Message

⇐ ControlFlow from send answer to book path

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from review with partners to send answer









ActivityInitial*ActivityInitial owned by 'RU', in package 'Main Workflows'***OUTGOING BEHAVIORAL RELATIONSHIPS**

⇐ ControlFlow from ActivityInitial to init train resource planning

IM coordination

InterruptibleActivityRegion owned by 'Path Management', in package 'Main Workflows'



IM coordination
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 08.11.2012


ELEMENTS OWNED BY IM coordination
 Check path request : Activity
 construct path : Activity
 harmonize path : Activity
 offer path : Activity
 EXIT: Answer not possible : FlowFinal
 Further with booking procedure... : ActivityFinal
 Path request came : ActivityInitial
 Pre-Constructed product needed : ActivityInitial

Check path request

Activity owned by 'IM coordination', in package 'Main Workflows'

Check path request
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.03.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Check path request to check capacity
 ControlFlow from Check path request to EXIT: Answer not possible Guard: request not valid

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from 4.6 Planning Activity to Check path request

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Path request came to Check path request

⇒ Information Flow from PathRequest Message to Check path request

construct path

Activity owned by 'IM coordination', in package 'Main Workflows'

construct path
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Object Flow from construct path to Path (Plan)

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from request path to construct path

⇒ ControlFlow from Pre-Constructed product needed to construct path

⇒ ControlFlow from check capacity to construct path
Guard: capacity available

harmonize path

Activity owned by 'IM coordination', in package 'Main Workflows'

harmonize path
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from harmonize path to offer path

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from Path (Plan) to harmonize path

offer path

Activity owned by 'IM coordination', in package 'Main Workflows'

offer path
Version 1.0 Phase 1.0 Proposed
seid.magljajlic created on 08.11.2012. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ Information Flow from offer path to PathDetails Message
⇐ ControlFlow from offer path to check offered path
⇐ ControlFlow from offer path to Further with booking procedure...

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from harmonize path to offer path

EXIT: Answer not possible

FlowFinal owned by 'IM coordination', in package 'Main Workflows'

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from check capacity to EXIT: Answer not possible Guard: capacity not available
⇒ ControlFlow from Check path request to EXIT: Answer not possible Guard: request not valid

Further with booking procedure...

ActivityFinal owned by 'IM coordination', in package 'Main Workflows'

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from offer path to Further with booking procedure...

Path request came

ActivityInitial owned by 'IM coordination', in package 'Main Workflows'

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from Path request came to Check path request

Pre-Constructed product needed

ActivityInitial owned by 'IM coordination', in package 'Main Workflows'

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from Pre-Constructed product needed to construct path

FlowFinal

FlowFinal owned by 'Path Management', in package 'Main Workflows'

INCOMING BEHAVIORAL RELATIONSHIPS

ControlFlow from book path to FlowFinal

RU-RU coordination

UseCase «business use case» owned by 'Overview of European Rail Business', in package 'Main Workflows'

RU-RU coordination
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 19.06.2013

ELEMENTS OWNED BY RU-RU coordination

RU coordination : Activity «business use case»

EXTERNAL REQUIREMENTS

Requirement. Business communication

[Stereotype is «Functional»]

Requirement. Referencing the business cases in object model (ex. "translation layer" issue)

[Stereotype is «Functional»]









OUTGOING STRUCTURAL RELATIONSHIPS
<p>← Realization from «business use case» RU-RU coordination to «Functional» Business communication [Direction is 'Source -> Destination'.]</p>
<p>← Realization from «business use case» RU-RU coordination to «Functional» Referncing the business cases in object model (ex. "translation layer" issue) [Direction is 'Source -> Destination'.]</p>


CONNECTORS
<p> UseCaseLink Source -> Destination From: RU : Actor, Public To: RU-RU coordination : UseCase, Public</p>

RU coordination

Activity owned by 'RU-RU coordination', in package 'Main Workflows'

RU coordination
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 08.11.2012




ELEMENTS OWNED BY RU coordination
 identifies the affected objects : Action
 analyze the situation : Activity
 BusinessCase : Activity
 find solution : Activity
 identifies the affected objects : Activity
 need for coordination : Activity
 Train : Activity
 train adaption : Activity


ELEMENTS OWNED BY RU coordination
 solution? : DecisionNode
 FlowFinal : FlowFinal
 ActivityInitial : ActivityInitial

identifies the affected objects

Action owned by 'RU coordination', in package 'Main Workflows'

identifies the affected objects
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS
Name: identify  Object Flow from identifies the affected objects to Business Case
 ControlFlow from identifies the affected objects to find solution
Name: identify  Object Flow from identifies the affected objects to Train (Plan)


INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from analyze the situation to identifies the affected objects

analyze the situation

Activity owned by 'RU coordination', in package 'Main Workflows'

what is affected?
 what causes the problems?

analyze the situation
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from analyze the situation to identifies the affected objects

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from analyze the situation to identifies the affected objects

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from need for coordination to analyze the situation

BusinessCase

Activity owned by 'RU coordination', in package 'Main Workflows'

BusinessCase
Version 1.0 Phase 1.0 Proposed
seid.magljajlic created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from Business Case to BusinessCase

find solution

Activity owned by 'RU coordination', in package 'Main Workflows'

find solution
Version 1.0 Phase 1.0 Proposed
seid.magljajlic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from find solution to solution?

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from identifies the affected objects to find solution

identifies the affected objects

Activity owned by 'RU coordination', in package 'Main Workflows'

identifies the affected objects
Version 1.0 Phase 1.0 Proposed
seid.magljajlic created on 08.11.2012. Last modified 08.11.2012

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from analyze the situation to identifies the affected objects

need for coordination

Activity owned by 'RU coordination', in package 'Main Workflows'

- optimization of own resources
- operational issues
- customer needs
- load exceeds reg. cap.
- timing
-

need for coordination
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from need for coordination to analyze the situation

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from ActivityInitial to need for coordination

Train

Activity owned by 'RU coordination', in package 'Main Workflows'

Train
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from Train (Plan) to Train

train adaption

Activity owned by 'RU coordination', in package 'Main Workflows'

train adaption
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from train adaption to Path Management

⇐ ControlFlow from train adaption to FlowFinal

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from solution? to train adaption
Guard: train

solution?

DecisionNode owned by 'RU coordination', in package 'Main Workflows'

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from solution? to FlowFinal
Guard: nothing

⇐ ControlFlow from solution? to train adaption
Guard: train

⇐ ControlFlow from solution? to Path Management
Guard: path

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from find solution to solution?

FlowFinal

FlowFinal owned by 'RU coordination', in package 'Main Workflows'

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Path Management to FlowFinal

⇒ ControlFlow from solution? to FlowFinal
Guard: nothing

⇒ ControlFlow from train adaption to FlowFinal

ActivityInitial

ActivityInitial owned by 'RU coordination', in package 'Main Workflows'

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from ActivityInitial to need for coordination

Business

Package in package 'Requirements Model'

Business
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012

Business communication

Requirement «Functional» in package 'Business'

Business communication
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Realization from «business use case» RU-RU coordination to «Functional» Business communication
[Direction is 'Source -> Destination'.]

⇒ Realization from «business use case» Conference (e.g. FTE, RNE) to «Functional» Business communication
[Direction is 'Source -> Destination'.]

⇒ Realization from «business use case» IM-IM Coordination to «Functional» Business communication
[Direction is 'Source -> Destination'.]

IM path construction

Requirement «Functional» in package 'Business'

TG1/TG4

IM path construction
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Realization from «business use case» PathMgmt to «Functional» IM path construction
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Realization from «business use case» IM-IM Coordination to «Functional» IM path construction
 [Direction is 'Source -> Destination'.]

Planning reference for path planning management

Requirement «Functional» in package 'Business'

FTE

Planning reference for path planning management
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 08.11.2012

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Realization from «business use case» Conference (e.g. FTE, RNE) to «Functional» Planning reference for path planning management
 [Direction is 'Source -> Destination'.]

Referencing the business cases in object model (ex. "translation layer" issue)

Requirement «Functional» in package 'Business'

Referencing the business cases in object model (ex. "translation layer" issue)
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 08.11.2012

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Realization from «business use case» RU-RU coordination to «Functional» Referencing the business cases in object model (ex. "translation layer" issue)
 [Direction is 'Source -> Destination'.]

⇒ Realization from «business use case» IM-IM Coordination to «Functional» Referencing the business cases in object model (ex. "translation layer" issue)
 [Direction is 'Source -> Destination'.]

Through-Going coaches (through-coaches)

Requirement «Functional» in package 'Business'

TG1

Through-Going coaches (through-coaches)
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 08.11.2012

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Realization from «business use case» PathMgmt to «Functional» Through-Going coaches (through-coaches)
[Direction is 'Source -> Destination'.]

Business Process Model

Package in package 'Model'

Business Process Model
Version Phase 1.0 Proposed
created on 08.11.2012. Last modified 08.11.2012

Overview

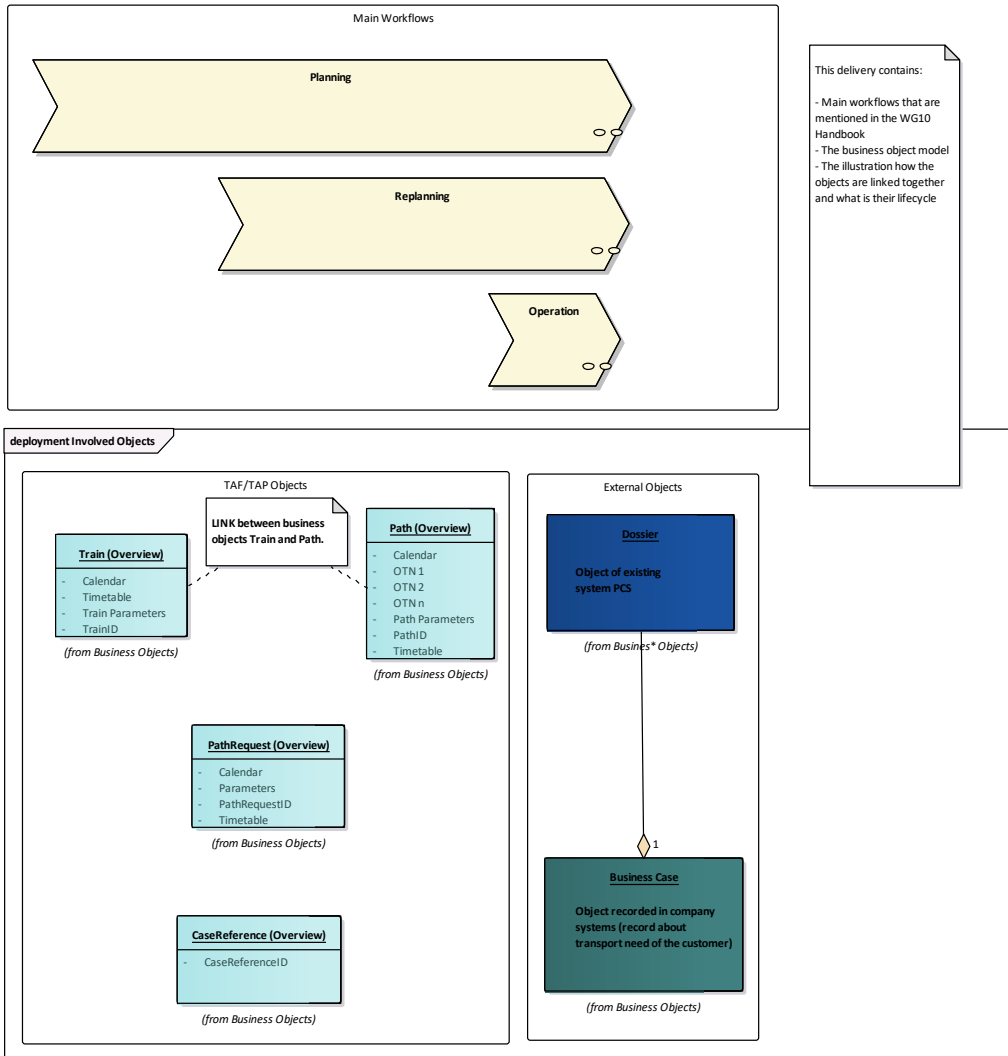
Package in package 'Business Process Model'

Overview
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Overview diagram

CompositeStructure diagram in package 'Overview'

Overview
Version 1.0
seid.magljalic created on 14.06.2013. Last modified 24.06.2013



This delivery contains:

- Main workflows that are mentioned in the WG10 Handbook
- The business object model
- The illustration how the objects are linked together and what is their lifecycle

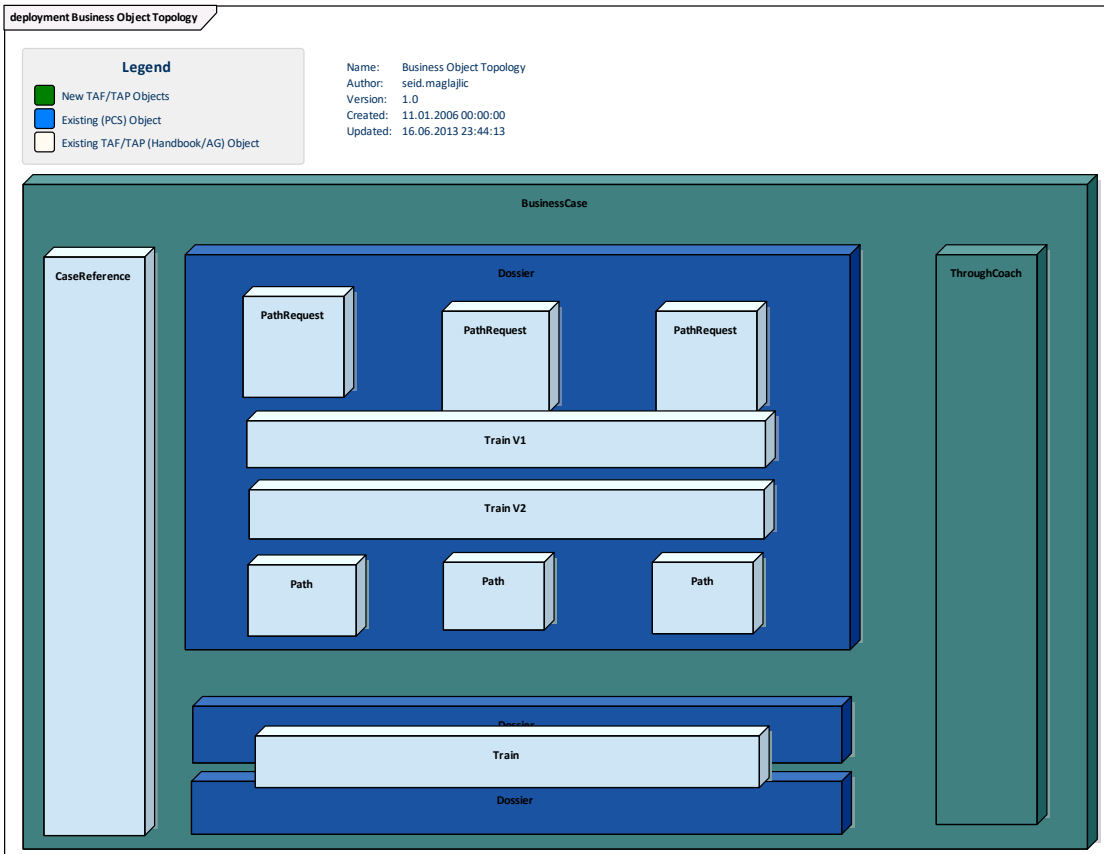


Figure 2: Overview

Note

Note in package 'Overview'

This delivery contains:

- Main workflows that are mentioned in the WG10 Handbook
- The business object model
- The illustration how the objects are linked together and what is their lifecycle

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013
Extends

Replanning

Activity «process» in package 'Target Audience'

Replanning
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 14.06.2013. Last modified 14.06.2013

Business Object Topology

UMLDiagram in package 'Target Audience'

Business Object Topology
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 14.06.2013. Last modified 14.06.2013
Extends

Involved Objects

UMLDiagram in package 'Target Audience'

Involved Objects
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 14.06.2013. Last modified 14.06.2013
Extends

Operation

Activity «process» owned by 'Overview', in package 'Target Audience'

Operation
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 14.06.2013. Last modified 14.06.2013

Planning

Activity «process» owned by 'Overview', in package 'Target Audience'

Planning
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 14.06.2013. Last modified 14.06.2013

Structure Explanation

Package in package 'Overview'

Structure Explanation
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.05.2013. Last modified 24.05.2013

Structure Explanation diagram

Deployment diagram in package 'Structure Explanation'

Structure Explanation
Version 1.0
seid.magljalic created on 24.06.2013. Last modified 18.11.2013

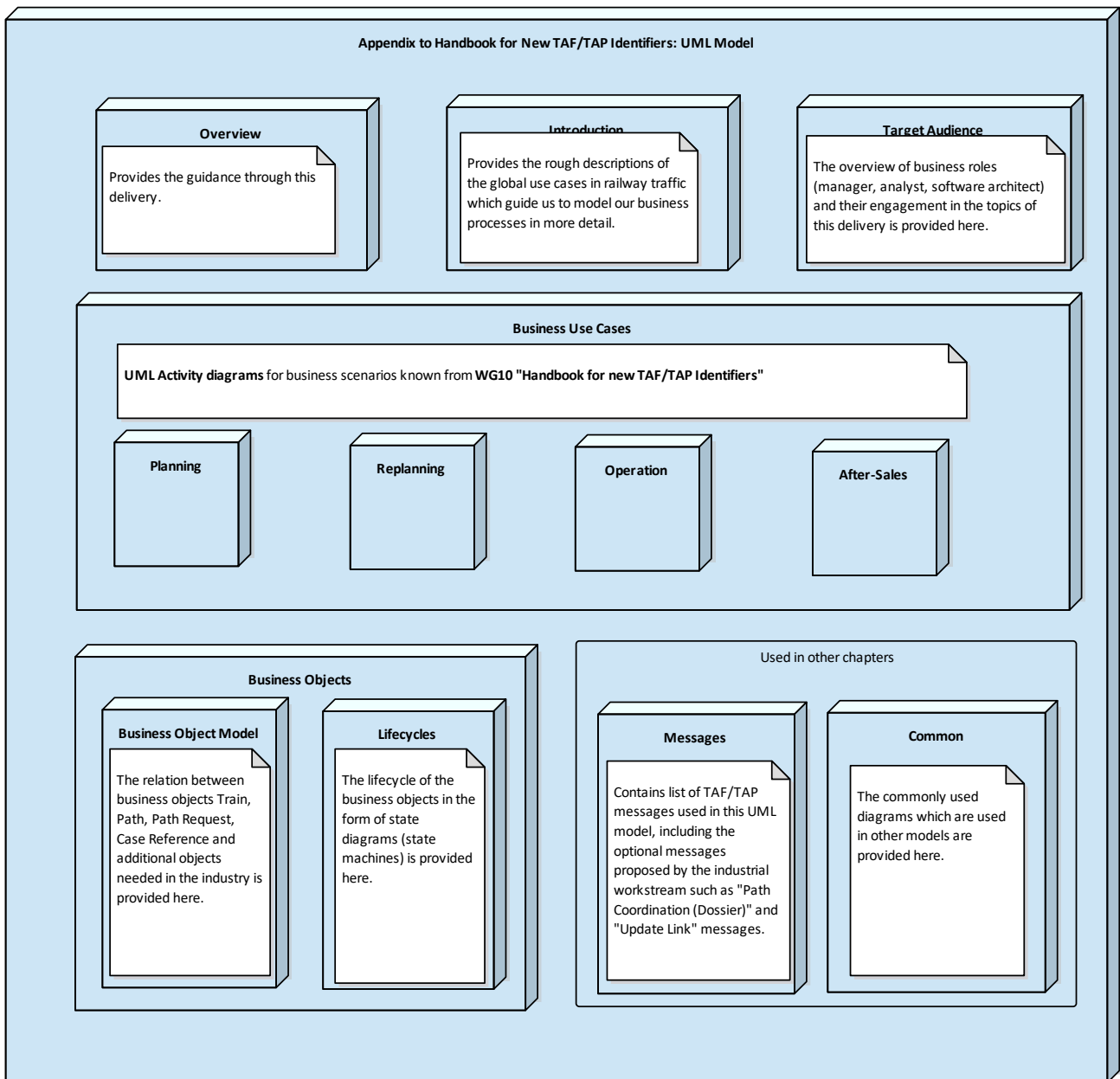


Figure 3: Structure Explanation

Note

Note in package 'Structure Explanation'

UML Activity diagrams for business scenarios known from **WG10 "Handbook for new TAF/TAP Identifiers"**

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 24.06.2013. Last modified 24.06.2013
Extends

Note

Note in package 'Structure Explanation'

Provides the guidance through this delivery.

Note

Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013
Extends

Note

Note in package 'Structure Explanation'

The commonly used diagrams which are used in other models are provided here.

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013
Extends

Note

Note in package 'Structure Explanation'

Contains list of TAF/TAP messages used in this UML model, including the optional messages proposed by the industrial workstream such as "Path Coordination (Dossier)" and "Update Link" messages.

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013
Extends

Note

Note in package 'Structure Explanation'

The relation between business objects Train, Path, Path Request, Case Reference and additional objects needed in the industry is provided here.

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013
Extends

Note

Note in package 'Structure Explanation'

Provides the rough descriptions of the global use cases in railway traffic which guide us to model our business processes in more detail.

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013
Extends

Note

Note in package 'Structure Explanation'

The lifecycle of the business objects in the form of state diagrams (state machines) is provided here.

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 24.06.2013. Last modified 24.06.2013
Extends

Note

Note in package 'Structure Explanation'









The overview of business roles (manager, analyst, software architect) and their engagement in the topics of this delivery is provided here.






Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 24.06.2013. Last modified 24.06.2013
Extends

Appendix to Handbook for New TAF/TAP Identifiers: UML Model

Node in package 'Elements'

Appendix to Handbook for New TAF/TAP Identifiers: UML Model
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 24.06.2013. Last modified 28.06.2013

ELEMENTS OWNED BY Appendix to Handbook for New TAF/TAP Identifiers: UML Model
 After-Sales : Node
 Business Object Model : Node
 Business Objects : Node
 Business Use Cases : Node
 Common : Node
 Introduction : Node
 Lifecycles : Node
 Messages : Node

ELEMENTS OWNED BY Appendix to Handbook for New TAF/TAP Identifiers: UML Model
 Operation : Node
 Overview : Node
 Planning : Node
 Replanning : Node
 Target Audience : Node

After-Sales

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

After-Sales
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Business Object Model

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Business Object Model
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Business Objects

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Business Objects
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Business Use Cases

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Business Use Cases
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Common

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Common
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Introduction

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Introduction
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Lifecycles

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Lifecycles
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Messages

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Messages
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Operation

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Operation
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Overview

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Overview
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Planning

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Planning
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Replanning

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Replanning
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Target Audience

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Target Audience
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Used in other chapters

Boundary owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Used in other chapters
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013
Extends

After-Sales

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

After-Sales
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Business Object Model

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Business Object Model
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Business Objects

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Business Objects
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Business Use Cases

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Business Use Cases
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Common

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Common
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Introduction

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Introduction
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Lifecycles

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Lifecycles
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Messages

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Messages
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Operation

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Operation
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Overview

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Overview
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Planning

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Planning
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Replanning

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Replanning
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Target Audience

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Target Audience
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Notation diagram

Activity diagram in package 'Structure Explanation'

Notation
Version 1.0
seid.magljalic created on 27.06.2013. Last modified 18.11.2013

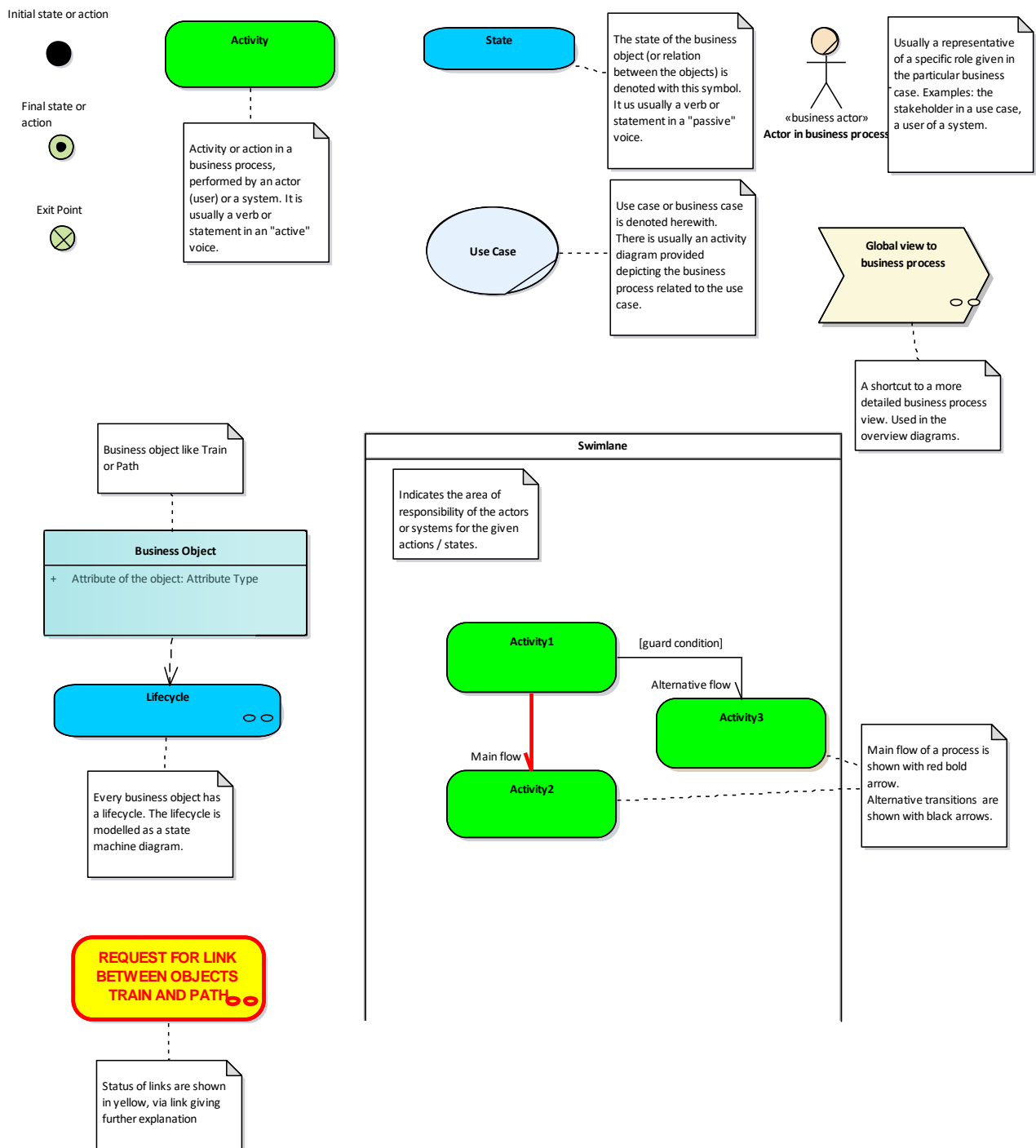


Figure 4: Notation

Note

Note in package 'Handbook-Planning'

Status of links are shown in yellow, via link giving further explanation

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 18.11.2013. Last modified 18.11.2013
Extends

REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'RU-System', in package 'Handbook-Planning'

REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Version 1.0 Phase 1.0 Proposed

Hantak created on 30.05.2013. Last modified 30.05.2013


OUTGOING BEHAVIORAL RELATIONSHIPS

← ControlFlow from REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Path Request processing started to REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH

CONNECTORS

 **Dependency** Source -> Destination
 From: PathRequest Message : Trigger, Public
 To: REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity, Public

Note

Note in package 'Structure Explanation'

Indicates the area of responsibility of the actors or systems for the given actions / states.

Note
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 27.06.2013. Last modified 27.06.2013
 Extends

Note

Note in package 'Structure Explanation'

Use case or business case is denoted herewith. There is usually an activity diagram provided depicting the business process related to the use case.

Note
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 27.06.2013. Last modified 27.06.2013
 Extends

Note

Note in package 'Structure Explanation'

Usually a representative of a specific role given in the particular business case. Examples: the stakeholder in a use case, a user of a system.

Note

Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 27.06.2013
Extends

Note

Note in package 'Structure Explanation'

Every business object has a lifecycle. The lifecycle is modelled as a state machine diagram.

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 27.06.2013
Extends

Note

Note in package 'Structure Explanation'

Business object like Train or Path

Note
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seid.magljalic created on 27.06.2013. Last modified 27.06.2013
Extends

Note

Note in package 'Structure Explanation'

Activity or action in a business process, performed by an actor (user) or a system. It is usually a verb or statement in an "active" voice.

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 27.06.2013
Extends

Note

Note in package 'Structure Explanation'

The state of the business object (or relation between the objects) is denoted with this symbol. It is usually a verb or statement in a "passive" voice.

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 27.06.2013
Extends

Note

Note in package 'Structure Explanation'

A shortcut to a more detailed business process view. Used in the overview diagrams.

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 27.06.2013
Extends

Note

Note in package 'Structure Explanation'

Main flow of a process is shown with red bold arrow.
Alternative transitions are shown with black arrows.

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 27.06.2013
Extends

Activity

Activity in package 'Elements'

Activity
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 28.06.2013

Activity1

Activity in package 'Elements'

Activity1
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>Name: Alternative flow</p> <p>⚡ ControlFlow from Activity1 to Activity3 Guard: guard condition</p>
<p>Name: Main flow</p> <p>⚡ ControlFlow from Activity1 to Activity2</p>

Activity2

Activity in package 'Elements'

Activity2
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 28.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS

Name: Main flow

ControlFlow from Activity1 to Activity2

Global view to business process

Activity «process» in package 'Elements'

Global view to business process
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 27.06.2013. Last modified 28.06.2013

Swimlane

ActivityPartition in package 'Elements'

Swimlane
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 27.06.2013. Last modified 28.06.2013

ELEMENTS OWNED BY Swimlane

Activity3 : Activity

Activity3

Activity owned by 'Swimlane', in package 'Elements'

Activity3
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 27.06.2013. Last modified 27.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS

Name: Alternative flow

ControlFlow from Activity1 to Activity3

Guard: guard condition

Actor in business process

Actor «business actor» in package 'Elements'

Actor in business process
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 27.06.2013. Last modified 28.06.2013

Business Object

Object in package 'Elements'

Business Object
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 28.06.2013

CONNECTORS
<p> Dependency Source -> Destination From: Business Object : Object, Public To: Lifecycle : StateMachine, Public</p>

ATTRIBUTES
<p> Attribute of the object : Attribute Type Public [Is static True. Containment is Not Specified.]</p>

State


State in package 'Elements'

State
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 28.06.2013


Lifecycle

StateMachine in package 'Elements'

Lifecycle
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 28.06.2013

ELEMENTS OWNED BY Lifecycle
 Archived : State
 Created : State
 Operated : State
 Updated : State
 Final state : Final State
 Initial state : Initial State

CONNECTORS


 **Dependency** Source -> Destination
 From: Business Object : Object, Public
 To: Lifecycle : StateMachine, Public

Archived


State owned by 'Lifecycle', in package 'Elements'

Archived
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 27.06.2013. Last modified 27.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

 Transition from Archived to Final state

INCOMING BEHAVIORAL RELATIONSHIPS


 Transition from Operated to Archived

Created


State owned by 'Lifecycle', in package 'Elements'

Created
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 27.06.2013. Last modified 27.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

 Transition from Created to Updated

INCOMING BEHAVIORAL RELATIONSHIPS

 Transition from Initial state to Created

Operated

State owned by 'Lifecycle', in package 'Elements'

Operated
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 27.06.2013. Last modified 27.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Transition from Operated to Archived

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Updated to Operated

Updated

State owned by 'Lifecycle', in package 'Elements'

Updated
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 27.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Transition from Updated to Operated

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Created to Updated

Final state

Final State owned by 'Lifecycle', in package 'Elements'

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Archived to Final state

Initial state

Initial State owned by 'Lifecycle', in package 'Elements'

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Transition from Initial state to Created

Exit Point

ExitPoint in package 'Elements'

Final state or action

Final State in package 'Elements'

Initial state or action

Initial State in package 'Elements'

Use Case

UseCase «business use case» in package 'Elements'

Use Case
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 28.06.2013

Activity3

Activity owned by 'Swimlane', in package 'Elements'

Activity3
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 27.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS
<p>Name: Alternative flow</p> <p>⇒ ControlFlow from Activity1 to Activity3</p> <p>Guard: guard condition</p>

Elements

Package in package 'Structure Explanation'

Elements
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 28.06.2013. Last modified 28.06.2013

Actor in business process

Actor «business actor» in package 'Elements'

Actor in business process
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 28.06.2013

Use Case

UseCase «business use case» in package 'Elements'

Use Case
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 28.06.2013

Business Object

Object in package 'Elements'

Business Object
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 28.06.2013






CONNECTORS
 Dependency Source -> Destination From: Business Object : Object, Public To: Lifecycle : StateMachine, Public









ATTRIBUTES
 Attribute of the object : Attribute Type Public <div style="text-align: right;">[Is static True. Containment is Not Specified.]</div>

Appendix to Handbook for New TAF/TAP Identifiers: UML Model

Node in package 'Elements'

Appendix to Handbook for New TAF/TAP Identifiers: UML Model
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 28.06.2013

ELEMENTS OWNED BY Appendix to Handbook for New TAF/TAP Identifiers: UML Model
 After-Sales : Node
 Business Object Model : Node
 Business Objects : Node
 Business Use Cases : Node
 Common : Node

ELEMENTS OWNED BY Appendix to Handbook for New TAF/TAP Identifiers: UML Model
 Introduction : Node
 Lifecycles : Node
 Messages : Node
 Operation : Node
 Overview : Node
 Planning : Node
 Replanning : Node
 Target Audience : Node

After-Sales

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

After-Sales
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Business Object Model

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Business Object Model
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Business Objects

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Business Objects
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Business Use Cases

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Business Use Cases
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Common

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Common
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Introduction

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Introduction
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Lifecycles

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Lifecycles
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Messages

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Messages
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Operation

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Operation
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Overview

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Overview
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Planning

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Planning
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Replanning

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Replanning
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Target Audience

Node owned by 'Appendix to Handbook for New TAF/TAP Identifiers: UML Model', in package 'Elements'

Target Audience
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013

State

State in package 'Elements'

State
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 28.06.2013

Activity

Activity in package 'Elements'

Activity
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 28.06.2013


Activity1


Activity in package 'Elements'

Activity1
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

Name: Alternative flow

 ControlFlow from Activity1 to Activity3

OUTGOING BEHAVIORAL RELATIONSHIPS
Guard: guard condition
Name: Main flow  ControlFlow from Activity1 to Activity2

Activity2

Activity in package 'Elements'

Activity2
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 27.06.2013. Last modified 28.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS
Name: Main flow  ControlFlow from Activity1 to Activity2

Global view to business process

Activity «process» in package 'Elements'

Global view to business process
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 27.06.2013. Last modified 28.06.2013

Global view to business process diagram

Activity diagram in package 'Elements'

Global view to business process
 Version 1.0
 seid.magljalic created on 27.06.2013. Last modified 27.06.2013

There is usually the sequence of actions or the list of use cases related to this business process given in a subdiagram.

Figure 5: Global view to business process

Exit Point

ExitPoint in package 'Elements'

Final state or action

Final State in package 'Elements'

Initial state or action

Initial State in package 'Elements'

Lifecycle

StateMachine in package 'Elements'

Lifecycle
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 28.06.2013

ELEMENTS OWNED BY Lifecycle
 Archived : State
 Created : State
 Operated : State
 Updated : State
 Final state : Final State
 Initial state : Initial State

CONNECTORS
 Dependency Source -> Destination From: Business Object : Object, Public To: Lifecycle : StateMachine, Public

Lifecycle diagram

StateMachine diagram in package 'Elements'

Lifecycle
Version 1.0
seid.magljalic created on 27.06.2013. Last modified 27.06.2013

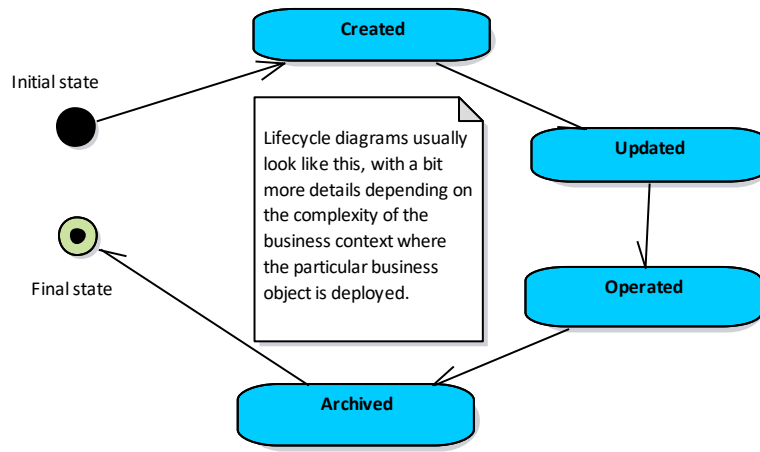


Figure 6: Lifecycle

Archived

State owned by 'Lifecycle', in package 'Elements'

Archived
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 27.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⬅️ Transition from Archived to Final state</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡️ Transition from Operated to Archived</p>

Created

State owned by 'Lifecycle', in package 'Elements'

Created
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 27.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⬅️ Transition from Created to Updated</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡️ Transition from Initial state to Created</p>

Operated

State owned by 'Lifecycle', in package 'Elements'

Operated
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 27.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>← Transition from Operated to Archived</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>→ Transition from Updated to Operated</p>

Updated

State owned by 'Lifecycle', in package 'Elements'

Updated
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 27.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>← Transition from Updated to Operated</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>→ Transition from Created to Updated</p>

Final state

Final State owned by 'Lifecycle', in package 'Elements'

INCOMING BEHAVIORAL RELATIONSHIPS
<p>→ Transition from Archived to Final state</p>

Initial state

Initial State owned by 'Lifecycle', in package 'Elements'

OUTGOING BEHAVIORAL RELATIONSHIPS

OUTGOING BEHAVIORAL RELATIONSHIPS

◀ Transition from Initial state to Created

Swimlane

ActivityPartition in package 'Elements'

Swimlane
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 28.06.2013

ELEMENTS OWNED BY Swimlane

📄 Activity3 : Activity

Activity3

Activity owned by 'Swimlane', in package 'Elements'

Activity3
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 27.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS

Name: Alternative flow

▶ ControlFlow from Activity1 to Activity3
Guard: guard condition

Introduction

Package in package 'Overview'

Introduction
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.05.2013. Last modified 24.05.2013

Main Workflows






Package in package 'Introduction'

Main Workflows
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 14.06.2013. Last modified 14.06.2013

Overview of European Rail Business

UseCase «business use case» in package 'Main Workflows'


Overview of European Rail Business
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.05.2013. Last modified 14.06.2013








ELEMENTS OWNED BY Overview of European Rail Business
 Conference (e.g. FTE, RNE) : UseCase «business use case»
 IM-IM Coordination : UseCase «business use case»
 PathMgmt : UseCase «business use case»
 RU-RU coordination : UseCase «business use case»
 Operation : UseCase «business use case»



Conference (e.g. FTE, RNE)



UseCase «business use case» owned by 'Overview of European Rail Business', in package 'Main Workflows'

Conference (e.g. FTE, RNE)
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 19.06.2013

ELEMENTS OWNED BY Conference (e.g. FTE, RNE)
 business case identification : Activity «business use case»

ELEMENTS OWNED BY Conference (e.g. FTE, RNE)
 common review : Activity «business use case»
 defining of volumes (trains/wagons) : Activity «business use case»
 IM Coordination : Activity «business use case»
 negotiation : Activity «business use case»
 RU coordination : Activity «business use case»
 ActivityFinal : ActivityFinal «business use case»
 ActivityInitial : ActivityInitial «business use case»

EXTERNAL REQUIREMENTS
 Requirement. Business communication <div style="text-align: right;">[Stereotype is «Functional»]</div>
 Requirement. Planning reference for path planning management FTE <div style="text-align: right;">[Stereotype is «Functional»]</div>

OUTGOING STRUCTURAL RELATIONSHIPS
 Realization from «business use case» Conference (e.g. FTE, RNE) to «Functional» Planning reference for path planning management <div style="text-align: right;">[Direction is 'Source -> Destination'.]</div>
 Realization from «business use case» Conference (e.g. FTE, RNE) to «Functional» Business communication <div style="text-align: right;">[Direction is 'Source -> Destination'.]</div>

CONNECTORS
 UseCaseLink Source -> Destination From: RU : Actor, Public To: Conference (e.g. FTE, RNE) : UseCase, Public

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Actor) IM «business actor»

Target: Public (UseCase) Conference (e.g. FTE, RNE) «business use case»

Conference (e.g. FTE, RNE) diagram

Activity diagram in package 'Main Workflows'

Conference (e.g. FTE, RNE)

Version 1.0

seid.magljalic created on 08.11.2012. Last modified 19.06.2013

Name: Conference (e.g. FTE, RNE)
 Author: seid.magljalic
 Version: 1.0
 Created: 08.11.2012 14:56:08
 Updated: 19.06.2013 14:03:06

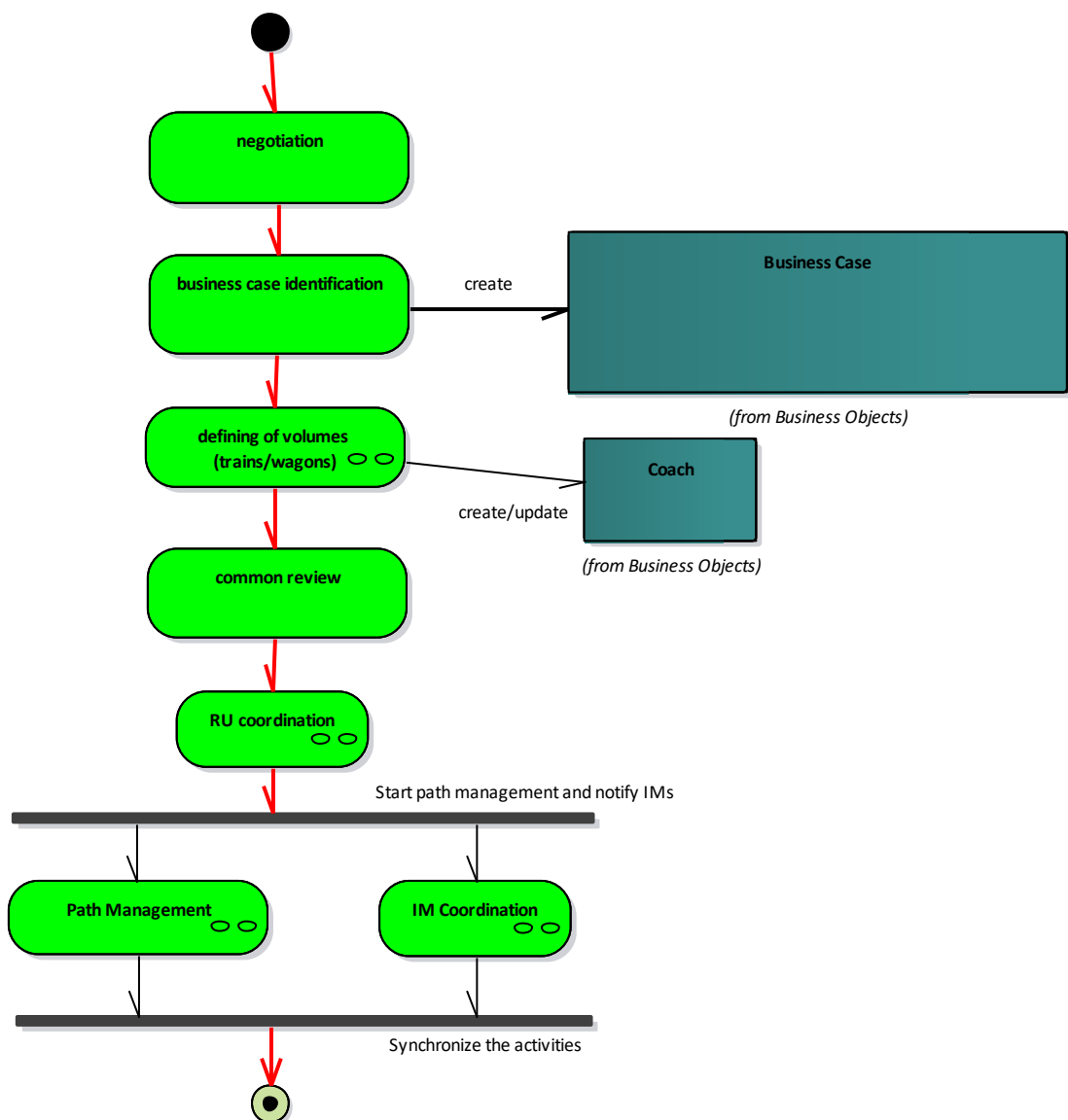


Figure 7: Conference (e.g. FTE, RNE)

Business Case

Object in package 'Business Objects'

Business Case
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 18.02.2013

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Aggregation from CaseReference to Business Case	[Direction is 'Source -> Destination'.]
⇒ Aggregation from Dossier to Business Case	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
◆ BusinessCaseID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]
◆ Calendar : Calendar Private	[Is static True. Containment is Not Specified.]
◆ CommercialParamters : Complex Private	[Is static True. Containment is Not Specified.]
◆ Timetable : Timetable Private	[Is static True. Containment is Not Specified.]

Coach

Object in package 'Business Objects'

Coach
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 08.11.2012


ASSOCIATIONS	
<p>✎ Association (direction: Unspecified)</p> <p>Source: Public (Object) ThroughCoach</p>	Target: Public (Object) Coach

business case identification

Activity owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'


business case identification
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012


STRUCTURAL PART OF business case identification

 ObjectNode2 : ActionPin


OUTGOING BEHAVIORAL RELATIONSHIPS

Name: create

 Object Flow from business case identification to Business Case

 ControlFlow from business case identification to defining of volumes (trains/wagons)

INCOMING BEHAVIORAL RELATIONSHIPS

 ControlFlow from negotiation to business case identification

ObjectNode2

ActionPin owned by 'business case identification', in package 'Main Workflows'

common review


Activity owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'

common review
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS

 ControlFlow from common review to RU coordination

INCOMING BEHAVIORAL RELATIONSHIPS

 ControlFlow from defining of volumes (trains/wagons) to common review











defining of volumes (trains/wagons)



Activity owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'


defining of volumes (trains/wagons)

Version 1.0 Phase 1.0 Proposed

seid.maglajlic created on 08.11.2012. Last modified 08.11.2012

ELEMENTS OWNED BY defining of volumes (trains/wagons)
 create train object : Action
 Relate to business case : Action
 BusinessCase : Activity
 define the transport volume : Activity
 detect number of trains : Activity
 detect throughgoing coaches : Activity
 Train Lifecycle Overview : Activity
 Train-Global : Activity
 ActivityInitial : ActivityInitial
 ActivityFinal : ActivityFinal

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from defining of volumes (trains/wagons) to common review
Name: create/update
 Object Flow from defining of volumes (trains/wagons) to Coach

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from business case identification to defining of volumes (trains/wagons)

defining of volume (wagons/trains) diagram

Activity diagram in package 'Main Workflows'

defining of volume (wagons/trains)

Version 1.0

seid.magljalic created on 08.11.2012. Last modified 19.06.2013

Name: defining of volume (wagons/trains)
 Author: seid.magljalic
 Version: 1.0
 Created: 08.11.2012 15:00:41
 Updated: 19.06.2013 13:45:42

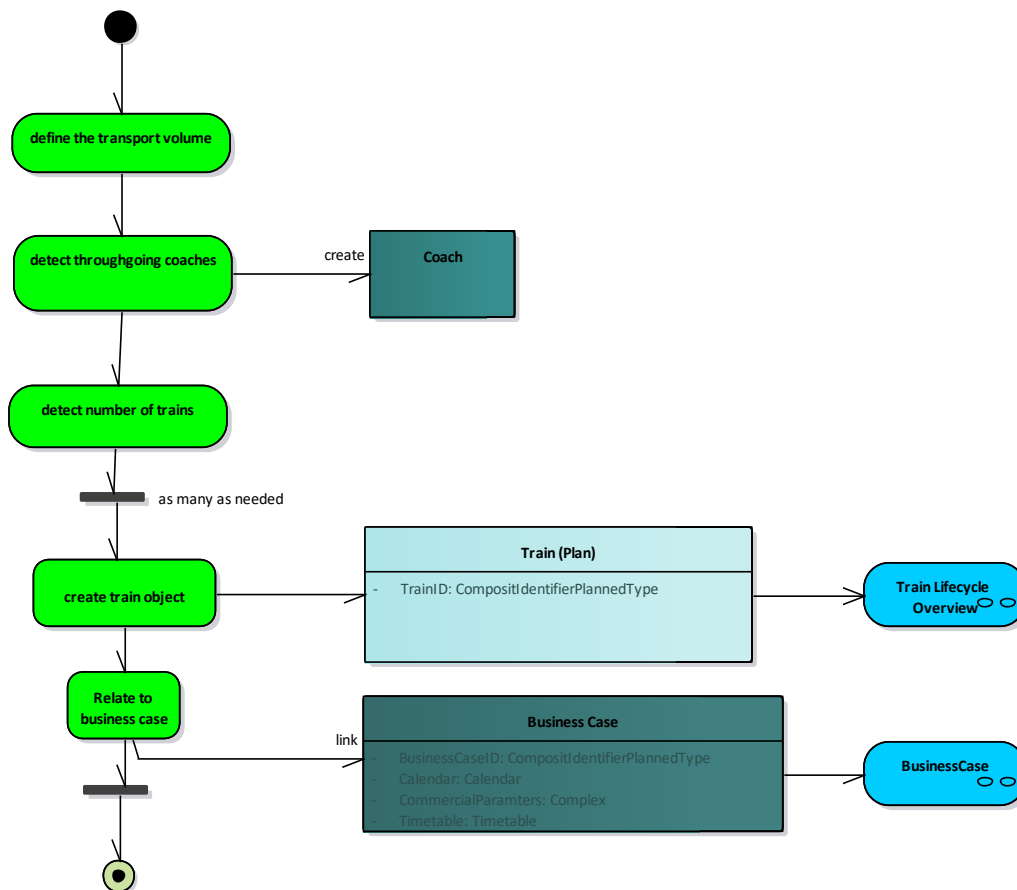


Figure 8: defining of volume (wagons/trains)

Business Case





Object in package 'Business Objects'

Business Case

Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 08.11.2012. Last modified 18.02.2013

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Aggregation from CaseReference to Business Case	[Direction is 'Source -> Destination'.]
⇒ Aggregation from Dossier to Business Case	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
 BusinessCaseID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]
 Calendar : Calendar Private	[Is static True. Containment is Not Specified.]
 CommercialParamters : Complex Private	[Is static True. Containment is Not Specified.]
 Timetable : Timetable Private	[Is static True. Containment is Not Specified.]

Coach

Object in package 'Business Objects'

Coach
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 08.11.2012

ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Object) ThroughCoach	Target: Public (Object) Coach

Train (Plan)

Object owned by 'Train (Overview)', in package 'Business Objects'

Train (Plan)
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS	
 Aggregation from Train (OP) to Train (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination	
From: Train (Plan) : Object, Public	
To: Train : Object, Public	

ATTRIBUTES	
<p>◆ TrainID : CompositIdentifierPlannedType Private</p>	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
<p>✍ Association (direction: Source -> Destination)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) TrainInformation Cardinality: [1]</p>
<p>✍ Association (direction: Destination -> Source)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) PathRequest Cardinality: [*]</p>
<p>✍ Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) Path (Plan) Cardinality: [*]</p>
<p>✍ Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) CaseReference Cardinality: [1]</p>
<p>✍ Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) Dossier Cardinality: [1]</p>

create train object

Action owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

create train object
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS	
<p>⇐ Object Flow from create train object to Train (Plan)</p>	
<p>⇐ ControlFlow from create train object to Relate to business case</p>	

OUTGOING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from as many as needed to create train object</p>

Relate to business case

Action owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

Relate to business case
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐⇒ ControlFlow from Relate to business case to Synchronization</p>
<p>Name: link</p> <p>⇐⇒ Object Flow from Relate to business case to Business Case</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from create train object to Relate to business case</p>

BusinessCase

Activity owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

BusinessCase
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Object Flow from Business Case to BusinessCase</p>

define the transport volume

Activity owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

how many coaches?
throughgoing coaches?
complete/block trains?

define the transport volume
Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from define the transport volume to detect throughgoing coaches

INCOMING BEHAVIORAL RELATIONSHIPS

ControlFlow from ActivityInitial to define the transport volume

detect number of trains

Activity owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

detect number of trains
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from detect number of trains to as many as needed

INCOMING BEHAVIORAL RELATIONSHIPS

ControlFlow from detect throughgoing coaches to detect number of trains

detect throughgoing coaches

Activity owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

detect throughgoing coaches
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS

Name: create

Object Flow from detect throughgoing coaches to Coach

ControlFlow from detect throughgoing coaches to detect number of trains

INCOMING BEHAVIORAL RELATIONSHIPS

ControlFlow from define the transport volume to detect throughgoing coaches

Train Lifecycle Overview

Activity owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

Train Lifecycle Overview
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.06.2013. Last modified 18.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from Train (Plan) to Train Lifecycle Overview

Train-Global

Activity owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

Train-Global
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.06.2013. Last modified 18.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from Train (Plan) to Train-Global

ActivityInitial

ActivityInitial owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from ActivityInitial to define the transport volume

ActivityFinal

ActivityFinal owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Synchronization to ActivityFinal

IM Coordination

Activity owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'

IM Coordination
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from IM Coordination to Synchronize the activities

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Start path management and notify IMs to IM Coordination

negotiation

Activity owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'

negotiation
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 18.06.2013

STRUCTURAL PART OF negotiation

🔗 ObjectNode1 : ActionPin

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from negotiation to business case identification

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from ActivityInitial to negotiation

ObjectNode1

ActionPin owned by 'negotiation', in package 'Main Workflows'

RU coordination

Activity owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'

RU coordination
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from RU coordination to Start path management and notify IMs

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from common review to RU coordination

ActivityFinal

ActivityFinal owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Synchronize the activities to ActivityFinal

ActivityInitial

ActivityInitial owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from ActivityInitial to negotiation

IM-IM Coordination

UseCase «business use case» owned by 'Overview of European Rail Business', in package 'Main Workflows'

IM-IM Coordination
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 19.06.2013

ELEMENTS OWNED BY IM-IM Coordination

IM-IM coordination : Activity «business use case»

EXTERNAL REQUIREMENTS

Requirement. Business communication


[Stereotype is «Functional»]

Requirement. IM path construction

TG1/TG4


[Stereotype is «Functional»]

EXTERNAL REQUIREMENTS

 Requirement. Referncing the business cases in object model (ex. "translation layer" issue)

[Stereotype is «Functional»]

OUTGOING STRUCTURAL RELATIONSHIPS

 Realization from «business use case» IM-IM Coordination to «Functional» Referncing the business cases in object model (ex. "translation layer" issue)

[Direction is 'Source -> Destination'.]

 Realization from «business use case» IM-IM Coordination to «Functional» IM path construction

[Direction is 'Source -> Destination'.]

 Realization from «business use case» IM-IM Coordination to «Functional» Business communication

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Actor) IM «business actor»

Target: Public (UseCase) IM-IM Coordination «business use case»

IM-IM Coordination diagram

Use Case diagram in package 'Main Workflows'

IM-IM Coordination

Version 1.0

seid.magljalic created on 19.06.2013. Last modified 19.06.2013

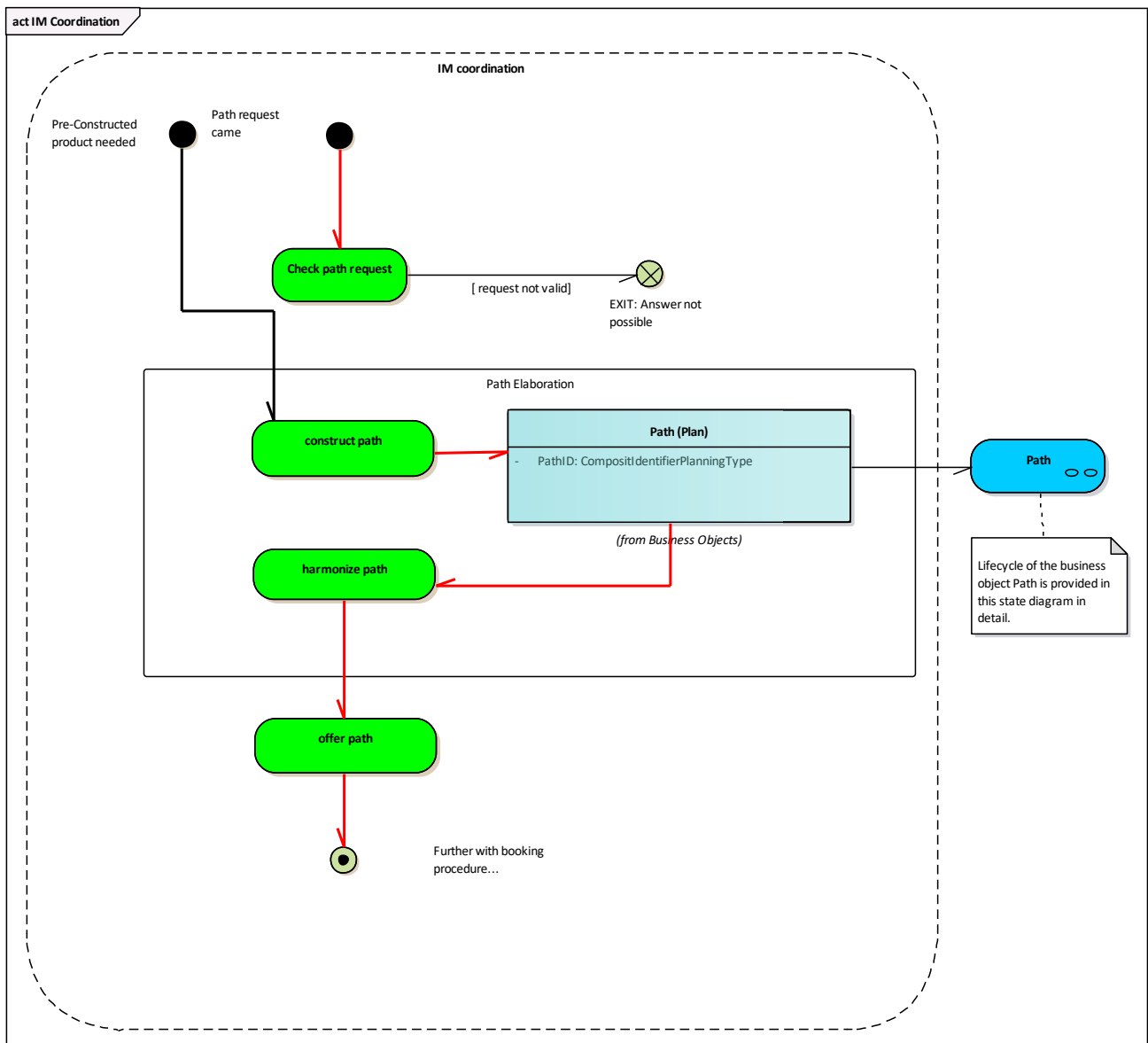


Figure 9: IM-IM Coordination

IM-IM coordination

Activity owned by 'IM-IM Coordination', in package 'Main Workflows'

IM-IM coordination
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 25.03.2013. Last modified 19.06.2013

ELEMENTS OWNED BY IM-IM coordination

- Path : Activity

IM Coordination diagram

Activity diagram in package 'Main Workflows'

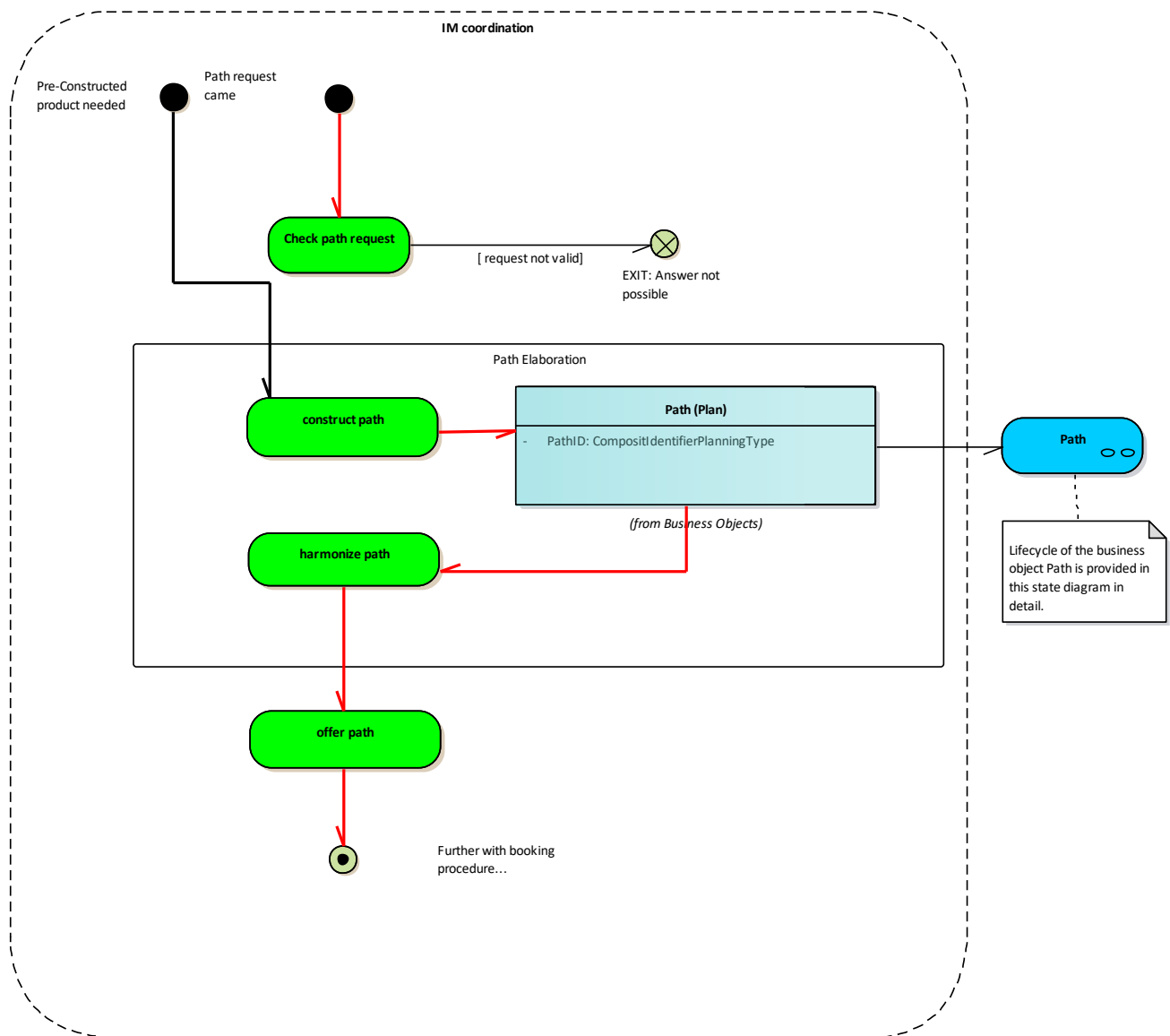





Figure 10: IM Coordination

Path (Plan)





Object owned by 'Path (Overview)', in package 'Business Objects'

Path (Plan)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Aggregation from Path (OP) to Path (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
<p> Dependency Source -> Destination</p> <p>From: Path (Plan) : Object, Public</p> <p>To: Path : Object, Public</p>	
<p> Dependency Source -> Destination</p> <p>From: synchronize actions : Synchronization, Public</p> <p>To: Path (Plan) : Object, Public</p>	
<p> Dependency Source -> Destination</p> <p>From: OperationalTrainNumber (OTN) : Artifact, Public</p> <p>To: Path (Plan) : Object, Public</p>	


ATTRIBUTES	
<p> PathID : CompositIdentifierPlanningType Private</p>	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) Path (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) PathInformation Cardinality: [1]</p>
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) Path (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) CaseReference Cardinality: [1]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Dossier Cardinality: [1]</p>	<p>Target: Public (Object) Path (Plan) Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) Path (Plan) Cardinality: [*]</p>

Path

Activity owned by 'IM-IM coordination', in package 'Main Workflows'

Path
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.06.2013. Last modified 19.06.2013



INCOMING BEHAVIORAL RELATIONSHIPS
<p> Object Flow from Path (Plan) to Path</p>



PathMgmt

UseCase «business use case» owned by 'Overview of European Rail Business', in package 'Main Workflows'

PathMgmt
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 19.06.2013


ELEMENTS OWNED BY PathMgmt
<p> Path Management : Activity «business use case»</p>

EXTERNAL REQUIREMENTS
<p> Requirement. IM path construction</p> <p>TG1/TG4 [Stereotype is «Functional»]</p>
<p> Requirement. Through-Going coaches (through-coaches)</p> <p>TG1 [Stereotype is «Functional»]</p>

OUTGOING STRUCTURAL RELATIONSHIPS
<p> Realization from «business use case» PathMgmt to «Functional» Through-Going coaches (through-coaches) [Direction is 'Source -> Destination'.]</p>
<p> Realization from «business use case» PathMgmt to «Functional» IM path construction [Direction is 'Source -> Destination'.]</p>

CONNECTORS
<p> UseCaseLink Source -> Destination</p> <p>From: IM : Actor, Public</p> <p>To: PathMgmt : UseCase, Public</p>

CONNECTORS

 **UseCaseLink** Source -> Destination
 From: RU : Actor, Public
 To: PathMgmt : UseCase, Public

PathMgmt diagram

Use Case diagram in package 'Main Workflows'

PathMgmt
 Version 1.0
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

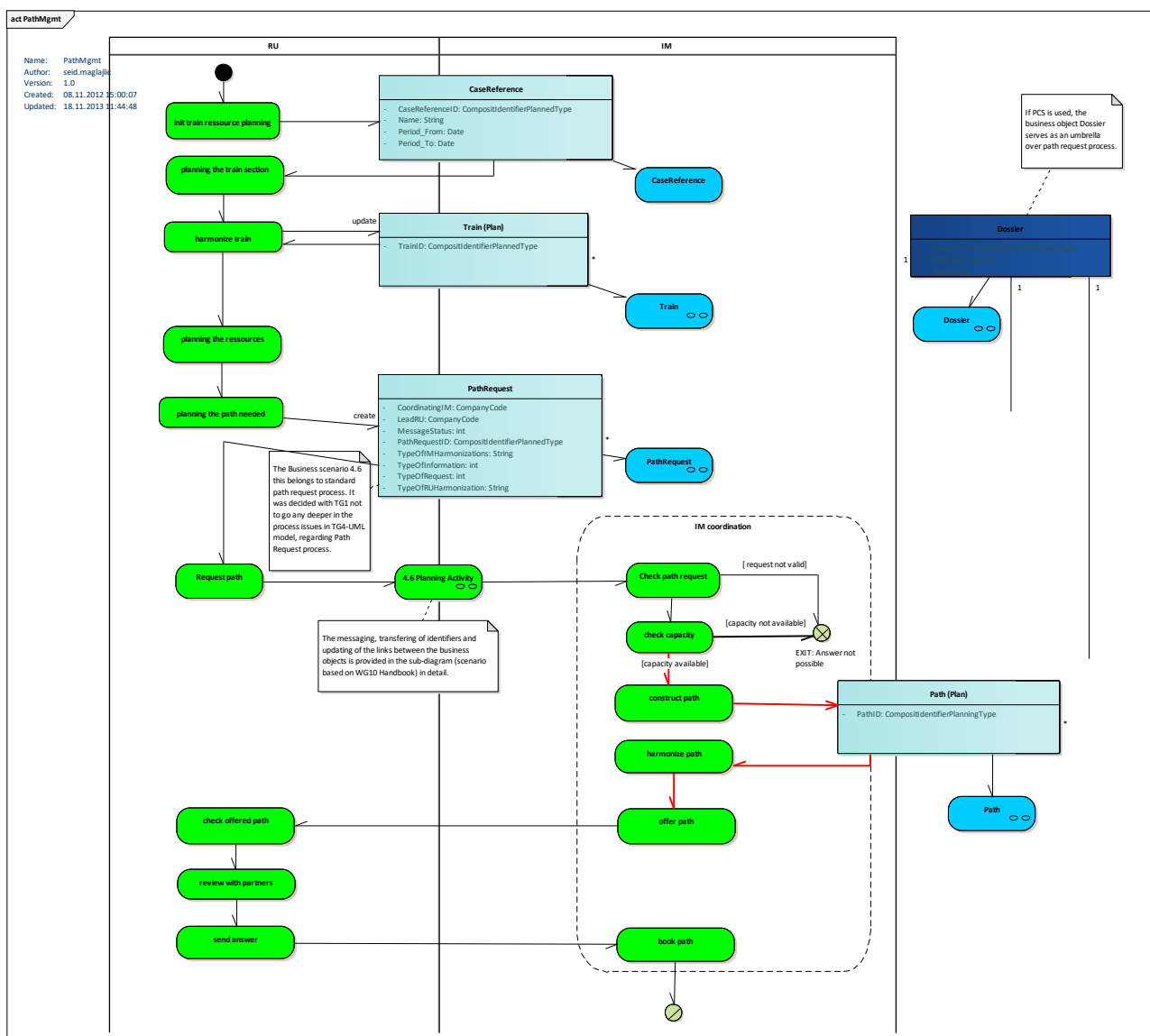









Figure 11: PathMgmt




Path Management

Activity owned by 'PathMgmt', in package 'Main Workflows'

Path Management
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 19.06.2013

ELEMENTS OWNED BY Path Management
 Dossier : Activity
 Path : Activity
 IM : ActivityPartition
 RU : ActivityPartition
 IM coordination : InterruptibleActivityRegion
 FlowFinal : FlowFinal

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Path Management to FlowFinal
 ControlFlow from Path Management to Synchronize the activities

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Start path management and notify IMs to Path Management
 ControlFlow from train adaption to Path Management
 ControlFlow from solution? to Path Management Guard: path

PathMgmt diagram

Activity diagram in package 'Main Workflows'

PathMgmt
Version 1.0
seid.magljalic created on 08.11.2012. Last modified 18.11.2013

Name: PathMgmt
 Author: seid.magljic
 Version: 1.0
 Created: 08.11.2012 15:00:07
 Updated: 18.11.2013 11:44:48

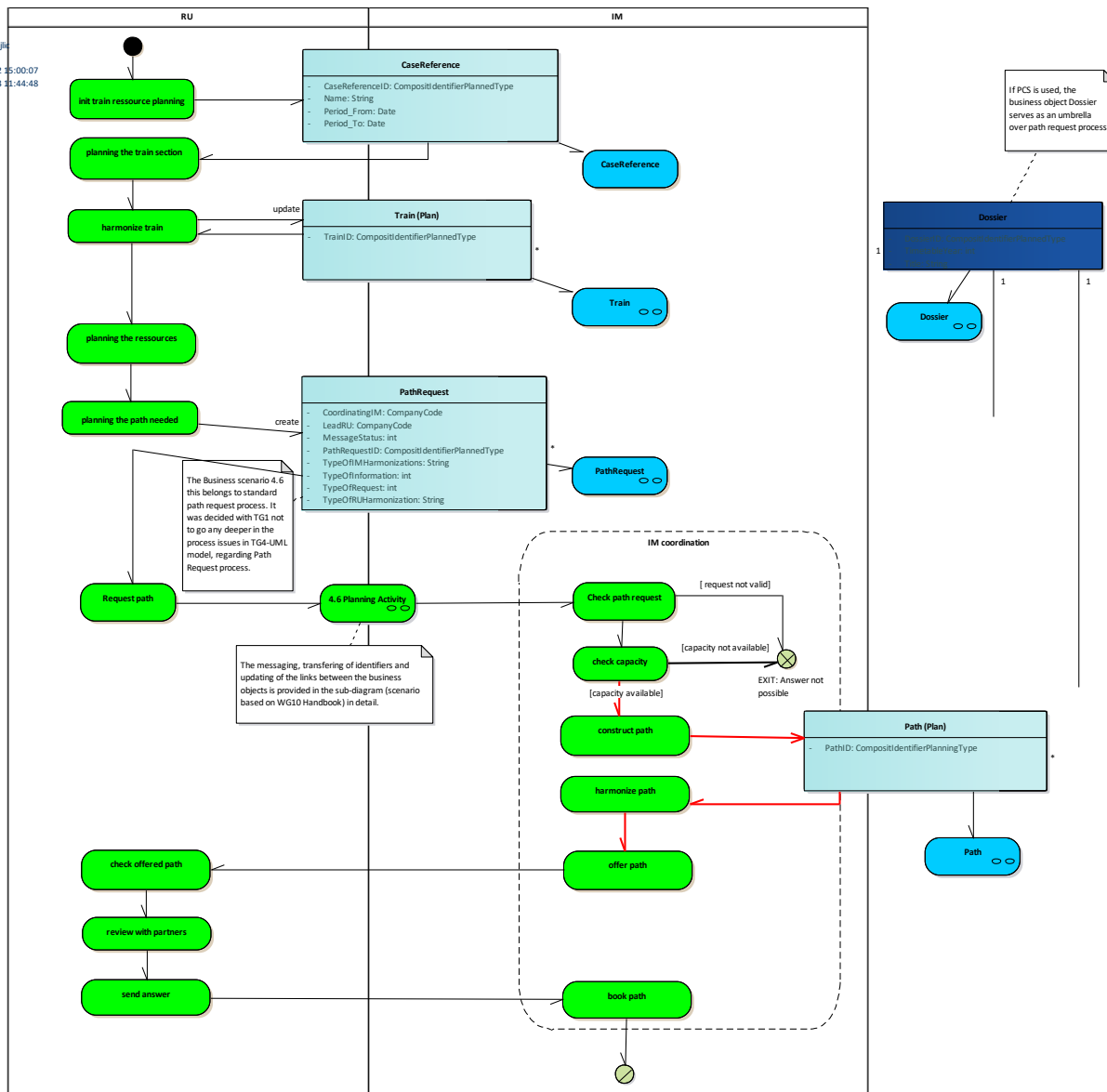


Figure 12: PathMgmt

Note

Note in package 'Business Objects'

The Business scenario 4.6 this belongs to standard path request process. It was decided with TG1 not to go any deeper in the process issues in TG4-UML model, regarding Path Request process.

Note
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 18.11.2013. Last modified 18.11.2013
 Extends

CaseReference

Object in package 'Business Objects'

CaseReference
 Version 1.0 Phase 1.0 Proposed
 seid.magljic created on 08.11.2012. Last modified 08.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from CaseReference to Business Case

[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
 From: Updated : State, Public
 To: CaseReference : Object, Public

ATTRIBUTES

◆ CaseReferenceID : CompositIdentifierPlannedType Private

[Is static True. Containment is Not Specified.]

◆ Name : String Private

[Is static True. Containment is Not Specified.]

◆ Period_From : Date Private

[Is static True. Containment is Not Specified.]

◆ Period_To : Date Private

[Is static True. Containment is Not Specified.]

ASSOCIATIONS

↔ Association (direction: Unspecified)

Source: Public (Object) CaseReference

Target: Public (Object) Dossier

↗ Association (direction: Source -> Destination)

Source: Public (Object) PathRequest
 Cardinality: [*]

Target: Public (Object) CaseReference
 Cardinality: [1]

↔ Association (direction: Unspecified)


Source: Public (Object) Train (Plan)
 Cardinality: [*]

Target: Public (Object) CaseReference
 Cardinality: [1]

↔ Association (direction: Unspecified)

Source: Public (Object) CaseReference (Overview)

Target: Public (Object) CaseReference




ASSOCIATIONS	
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) Path (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) CaseReference Cardinality: [1]</p>




Dossier

Object in package 'Business Objects'

Dossier
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.02.2013. Last modified 18.02.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
<p> Aggregation from Dossier to Business Case</p>	<p>[Direction is 'Source -> Destination'.]</p>

ATTRIBUTES	
<p> DossierID : CompositIdentifierPlannedType Private</p>	<p>[Is static True. Containment is Not Specified.]</p>
<p> TimetableYear : int Private</p>	<p>[Is static True. Containment is Not Specified.]</p>
<p> Title : String Private</p>	<p>[Is static True. Containment is Not Specified.]</p>

ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Dossier Cardinality: [1]</p>	<p>Target: Public (Object) Path (Plan) Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Dossier Cardinality: [1]</p>	<p>Target: Public (Object) PathRequest Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) CaseReference</p>	<p>Target: Public (Object) Dossier</p>




ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Object) Train (Plan) Cardinality: [*]	Target: Public (Object) Dossier Cardinality: [1]


Path (Plan)



Object owned by 'Path (Overview)', in package 'Business Objects'

Path (Plan)
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS	
 Aggregation from Path (OP) to Path (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Path (Plan) : Object, Public To: Path : Object, Public	
 Dependency Source -> Destination From: synchronize actions : Synchronization, Public To: Path (Plan) : Object, Public	
 Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (Plan) : Object, Public	

ATTRIBUTES	
 PathID : CompositIdentifierPlanningType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Path (Plan) Cardinality: [1]	Target: Public (Object) PathInformation Cardinality: [1]
 Association (direction: Source -> Destination)	

ASSOCIATIONS	
Source: Public (Object) Path (Plan) Cardinality: [*]	Target: Public (Object) CaseReference Cardinality: [1]
✎ Association (direction: Unspecified)	
Source: Public (Object) Dossier Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]
✎ Association (direction: Unspecified)	
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]








PathRequest

Object owned by 'PathRequest (Overview)', in package 'Business Objects'

PathRequest
Version 1.0 Phase 1.0 Proposed
seid.magljajlic created on 08.11.2012. Last modified 28.06.2013

ATTRIBUTES	
◆ CoordinatingIM : CompanyCode Private	[Is static True. Containment is Not Specified.]
◆ LeadRU : CompanyCode Private	[Is static True. Containment is Not Specified.]
◆ MessageStatus : int Private	[Is static True. Containment is Not Specified.]
◆ PathRequestID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]
◆ TypeOfIMHarmonizations : String Private	[Is static True. Containment is Not Specified.]
◆ TypeOfInformation : int Private	[Is static True. Containment is Not Specified.]
◆ TypeOfRequest : int Private	[Is static True. Containment is Not Specified.]

ATTRIBUTES	
<p> TypeOfRUHarmonization : String Private</p>	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [1]</p>	<p>Target: Public (Object) TrainInformation Cardinality: [1]</p>
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [*]</p>	<p>Target: Public (Object) CaseReference Cardinality: [1]</p>
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [0]</p>	<p>Target: Public (Object) NetworkSpecificParameter Cardinality: [*]</p>
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [1]</p>	<p>Target: Public (Object) PathInformation Cardinality: [1]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Dossier Cardinality: [1]</p>	<p>Target: Public (Object) PathRequest Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) PathRequest (Overview)</p>	<p>Target: Public (Object) PathRequest</p>
<p> Association (direction: Destination -> Source)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) PathRequest Cardinality: [*]</p>

Train (Plan)






Object owned by 'Train (Overview)', in package 'Business Objects'

Train (Plan)

INCOMING STRUCTURAL RELATIONSHIPS	
<p>➔ Aggregation from Train (OP) to Train (Plan)</p>	<p>[Direction is 'Source -> Destination'.]</p>

CONNECTORS	
<p> Dependency Source -> Destination</p> <p>From: Train (Plan) : Object, Public</p> <p>To: Train : Object, Public</p>	

ATTRIBUTES	
<p> TrainID : CompositIdentifierPlannedType Private</p>	<p>[Is static True. Containment is Not Specified.]</p>

ASSOCIATIONS	
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) TrainInformation Cardinality: [1]</p>
<p> Association (direction: Destination -> Source)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) PathRequest Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) Path (Plan) Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) CaseReference Cardinality: [1]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) Dossier Cardinality: [1]</p>

Dossier

Activity owned by 'Path Management', in package 'Main Workflows'

Dossier
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS

➡ Object Flow from Dossier to Dossier

Path

Activity owned by 'Path Management', in package 'Main Workflows'

Path
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS

➡ Object Flow from Path (Plan) to Path

IM

ActivityPartition owned by 'Path Management', in package 'Main Workflows'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012

ELEMENTS OWNED BY IM



📄 check capacity : Activity

📄 book path : Activity

📄 CaseReference : Activity

📄 PathRequest : Activity



📄 Train : Activity


ELEMENTS OWNED BY IM
<p> IM : Event</p>
<p> Start IM Activity : ActivityInitial</p>

check capacity

Activity owned by 'IM', in package 'Main Workflows'

check capacity
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 13.11.2013. Last modified 13.11.2013


OUTGOING BEHAVIORAL RELATIONSHIPS
<p> ControlFlow from check capacity to EXIT: Answer not possible Guard: capacity not available</p>
<p> ControlFlow from check capacity to construct path Guard: capacity available</p>



INCOMING BEHAVIORAL RELATIONSHIPS
<p> ControlFlow from Check path request to check capacity</p>

book path

Activity owned by 'IM', in package 'Main Workflows'

book path
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 13.11.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p> ControlFlow from book path to FlowFinal</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>Name: PathID</p> <p> Information Flow from Path Confirmed Message to book path</p>
<p> ControlFlow from send answer to book path</p>

CaseReference

Activity owned by 'IM', in package 'Main Workflows'


CaseReference
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS
 Object Flow from CaseReference to CaseReference

PathRequest

Activity owned by 'IM', in package 'Main Workflows'


PathRequest
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS
 Object Flow from PathRequest to PathRequest

Train

Activity owned by 'IM', in package 'Main Workflows'

Train
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013


INCOMING BEHAVIORAL RELATIONSHIPS
 Object Flow from Train (Plan) to Train

IM

Event owned by 'IM', in package 'Main Workflows'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 18.03.2013

CONNECTORS
 Dependency Train ID: Mandatory Source -> Destination From: PathRequest Message : Trigger, Public To: IM : Event, Public

CONNECTORS
<p> Dependency PathRequest ID: Mandatory Source -> Destination From: PathRequest Message : Trigger, Public To: IM : Event, Public</p>











Start IM Activity



ActivityInitial owned by 'IM', in package 'Main Workflows'

RU

ActivityPartition owned by 'Path Management', in package 'Main Workflows'

RU
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.11.2012. Last modified 08.11.2012




ELEMENTS OWNED BY RU
 harmonize train : Action
 init train ressource planning : Action
 planning the path needed : Action
 4.6 Planning Activity : Activity
 check offered path : Activity
 planning the ressources : Activity
 planning the train section : Activity
 Request path : Activity
 request path : Activity
 review with partners : Activity



ELEMENTS OWNED BY RU
 send answer : Activity
 ActivityInitial : ActivityInitial

harmonize train

Action owned by 'RU', in package 'Main Workflows'

harmonize train
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 15.03.2013


OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from harmonize train to planning the ressources
Name: update  Object Flow from harmonize train to Coach
Name: update  Object Flow from harmonize train to Train (Plan)


INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from planning the train section to harmonize train
 Object Flow from Train (Plan) to harmonize train

init train ressource planning

Action owned by 'RU', in package 'Main Workflows'

init train ressource planning
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 15.03.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Object Flow from init train ressource planning to CaseReference

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from ActivityInitial to init train ressource planning

INCOMING BEHAVIORAL RELATIONSHIPS

planning the path needed

Action owned by 'RU', in package 'Main Workflows'


planning the path needed
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 15.03.2013

STRUCTURAL PART OF planning the path needed


 ActionPin1 : ActionPin

OUTGOING BEHAVIORAL RELATIONSHIPS

Name: create

 Object Flow from planning the path needed to PathRequest

INCOMING BEHAVIORAL RELATIONSHIPS

 ControlFlow from planning the ressources to planning the path needed

ActionPin1


ActionPin owned by 'planning the path needed', in package 'Main Workflows'

4.6 Planning Activity


Activity owned by 'RU', in package 'Main Workflows'

4.6 Planning Activity
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

 ControlFlow from 4.6 Planning Activity to Check path request

INCOMING BEHAVIORAL RELATIONSHIPS

 ControlFlow from Request path to 4.6 Planning Activity

check offered path

Activity owned by 'RU', in package 'Main Workflows'

check offered path
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.11.2012. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from check offered path to review with partners</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from PathDetails Message to check offered path</p>
<p>⇒ ControlFlow from offer path to check offered path</p>

planning the ressources

Activity owned by 'RU', in package 'Main Workflows'

Loco, Driver, RCP

planning the ressources
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.11.2012. Last modified 15.03.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from planning the ressources to planning the path needed</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from harmonize train to planning the ressources</p>

planning the train section

Activity owned by 'RU', in package 'Main Workflows'

planning the train section
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.11.2012. Last modified 15.03.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from planning the train section to harmonize train</p>

INCOMING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from CaseReference to planning the train section

Request path

Activity owned by 'RU', in package 'Main Workflows'

Request path
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Information Flow from Request path to PathRequest Message

⇐ ControlFlow from Request path to 4.6 Planning Activity

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from PathRequest to Request path

request path

Activity owned by 'RU', in package 'Main Workflows'

request path
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 15.03.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from request path to construct path

⇐ Information Flow from request path to PathRequest Message

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from PathRequest to request path

review with partners

Activity owned by 'RU', in package 'Main Workflows'

review with partners
Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 08.11.2012. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from review with partners to send answer

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from check offered path to review with partners

send answer

Activity owned by 'RU', in package 'Main Workflows'

send answer
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Information Flow from send answer to Path Confirmed Message

⇐ ControlFlow from send answer to book path

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from review with partners to send answer

ActivityInitial

ActivityInitial owned by 'RU', in package 'Main Workflows'




OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from ActivityInitial to init train ressource planning

IM coordination

InterruptibleActivityRegion owned by 'Path Management', in package 'Main Workflows'



IM coordination
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012




ELEMENTS OWNED BY IM coordination
 Check path request : Activity
 construct path : Activity
 harmonize path : Activity
 offer path : Activity
 EXIT: Answer not possible : FlowFinal
 Further with booking procedure... : ActivityFinal
 Path request came : ActivityInitial
 Pre-Constructed product needed : ActivityInitial

Check path request

Activity owned by 'IM coordination', in package 'Main Workflows'

Check path request
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.03.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Check path request to check capacity
 ControlFlow from Check path request to EXIT: Answer not possible Guard: request not valid

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from 4.6 Planning Activity to Check path request
 ControlFlow from Path request came to Check path request
 Information Flow from PathRequest Message to Check path request

construct path

Activity owned by 'IM coordination', in package 'Main Workflows'

construct path
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Object Flow from construct path to Path (Plan)

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from request path to construct path

⇒ ControlFlow from Pre-Constructed product needed to construct path

⇒ ControlFlow from check capacity to construct path
Guard: capacity available

harmonize path

Activity owned by 'IM coordination', in package 'Main Workflows'

harmonize path
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from harmonize path to offer path

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from Path (Plan) to harmonize path

offer path

Activity owned by 'IM coordination', in package 'Main Workflows'

offer path
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐:: Information Flow from offer path to PathDetails Message

⇐:: ControlFlow from offer path to check offered path

⇐:: ControlFlow from offer path to Further with booking procedure...

INCOMING BEHAVIORAL RELATIONSHIPS

⇒:: ControlFlow from harmonize path to offer path

EXIT: Answer not possible

FlowFinal owned by 'IM coordination', in package 'Main Workflows'

INCOMING BEHAVIORAL RELATIONSHIPS

⇒:: ControlFlow from check capacity to EXIT: Answer not possible
Guard: capacity not available

⇒:: ControlFlow from Check path request to EXIT: Answer not possible
Guard: request not valid

Further with booking procedure...

ActivityFinal owned by 'IM coordination', in package 'Main Workflows'

INCOMING BEHAVIORAL RELATIONSHIPS

⇒:: ControlFlow from offer path to Further with booking procedure...

Path request came


ActivityInitial owned by 'IM coordination', in package 'Main Workflows'

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐:: ControlFlow from Path request came to Check path request


Pre-Constructed product needed

ActivityInitial owned by 'IM coordination', in package 'Main Workflows'

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Pre-Constructed product needed to construct path

FlowFinal


FlowFinal owned by 'Path Management', in package 'Main Workflows'



INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from book path to FlowFinal



RU-RU coordination

UseCase «business use case» owned by 'Overview of European Rail Business', in package 'Main Workflows'


RU-RU coordination
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 19.06.2013

ELEMENTS OWNED BY RU-RU coordination
 RU coordination : Activity «business use case»

EXTERNAL REQUIREMENTS
 Requirement. Business communication <div style="text-align: right;">[Stereotype is «Functional»]</div>
 Requirement. Referncing the business cases in object model (ex. "translation layer" issue) <div style="text-align: right;">[Stereotype is «Functional»]</div>

OUTGOING STRUCTURAL RELATIONSHIPS
 Realization from «business use case» RU-RU coordination to «Functional» Business communication <div style="text-align: right;">[Direction is 'Source -> Destination'.]</div>
 Realization from «business use case» RU-RU coordination to «Functional» Referncing the business cases in object model (ex. "translation layer" issue) <div style="text-align: right;">[Direction is 'Source -> Destination'.]</div>

CONNECTORS

 **UseCaseLink** Source -> Destination
 From: RU : Actor, Public
 To: RU-RU coordination : UseCase, Public

RU-RU coordination diagram

Use Case diagram in package 'Main Workflows'

RU-RU coordination
 Version 1.0
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

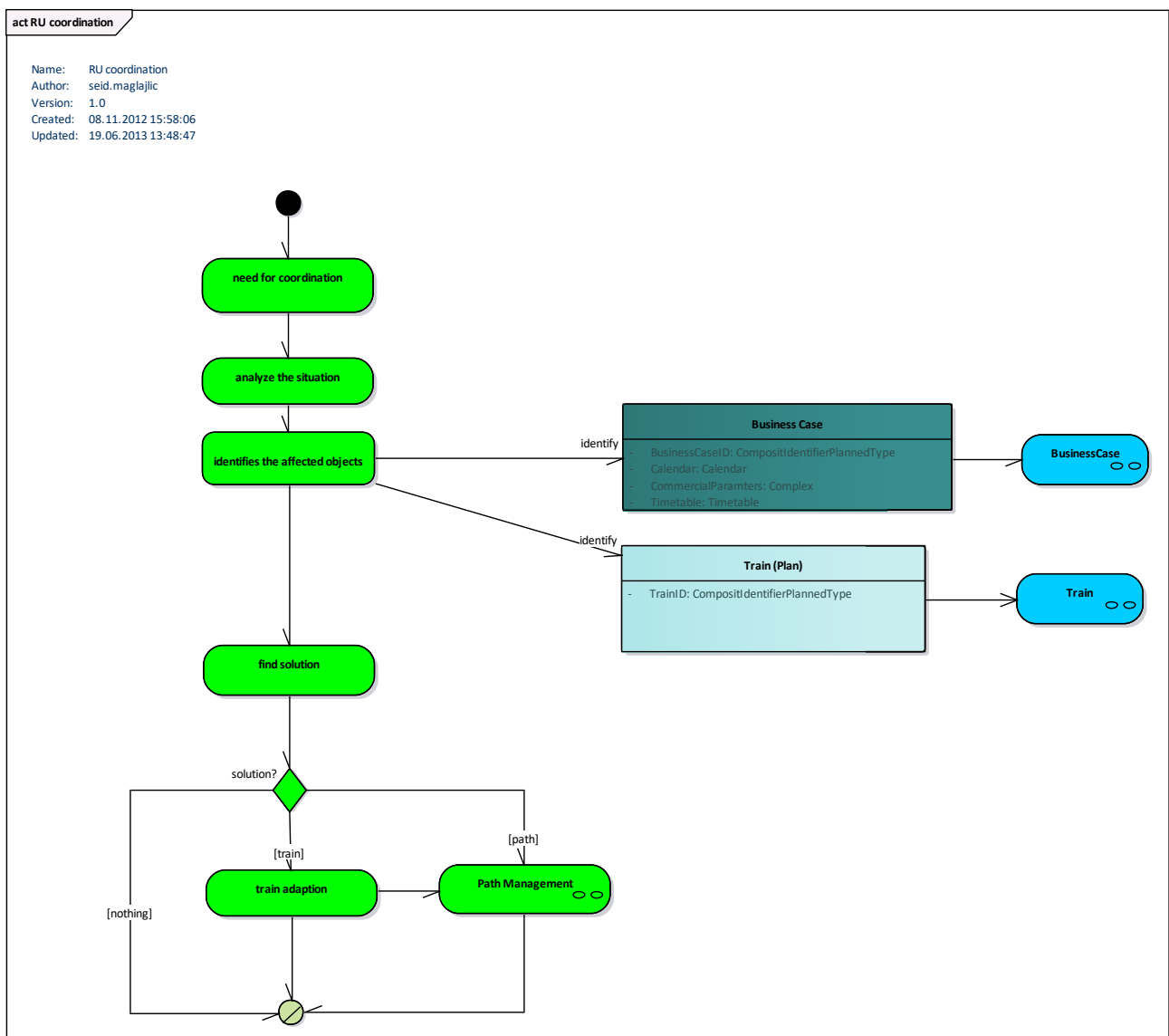













Figure 13: RU-RU coordination

RU coordination

Activity owned by 'RU-RU coordination', in package 'Main Workflows'

RU coordination
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 08.11.2012

ELEMENTS OWNED BY RU coordination
 identifies the affected objects : Action
 analyze the situation : Activity
 BusinessCase : Activity
 find solution : Activity
 identifies the affected objects : Activity
 need for coordination : Activity
 Train : Activity
 train adaption : Activity
 solution? : DecisionNode
 FlowFinal : FlowFinal
 ActivityInitial : ActivityInitial

RU coordination diagram

Activity diagram in package 'Main Workflows'

RU coordination
Version 1.0
seid.maglajlic created on 08.11.2012. Last modified 19.06.2013

Name: RU coordination
 Author: seid.magljajic
 Version: 1.0
 Created: 08.11.2012 15:58:06
 Updated: 19.06.2013 13:48:47

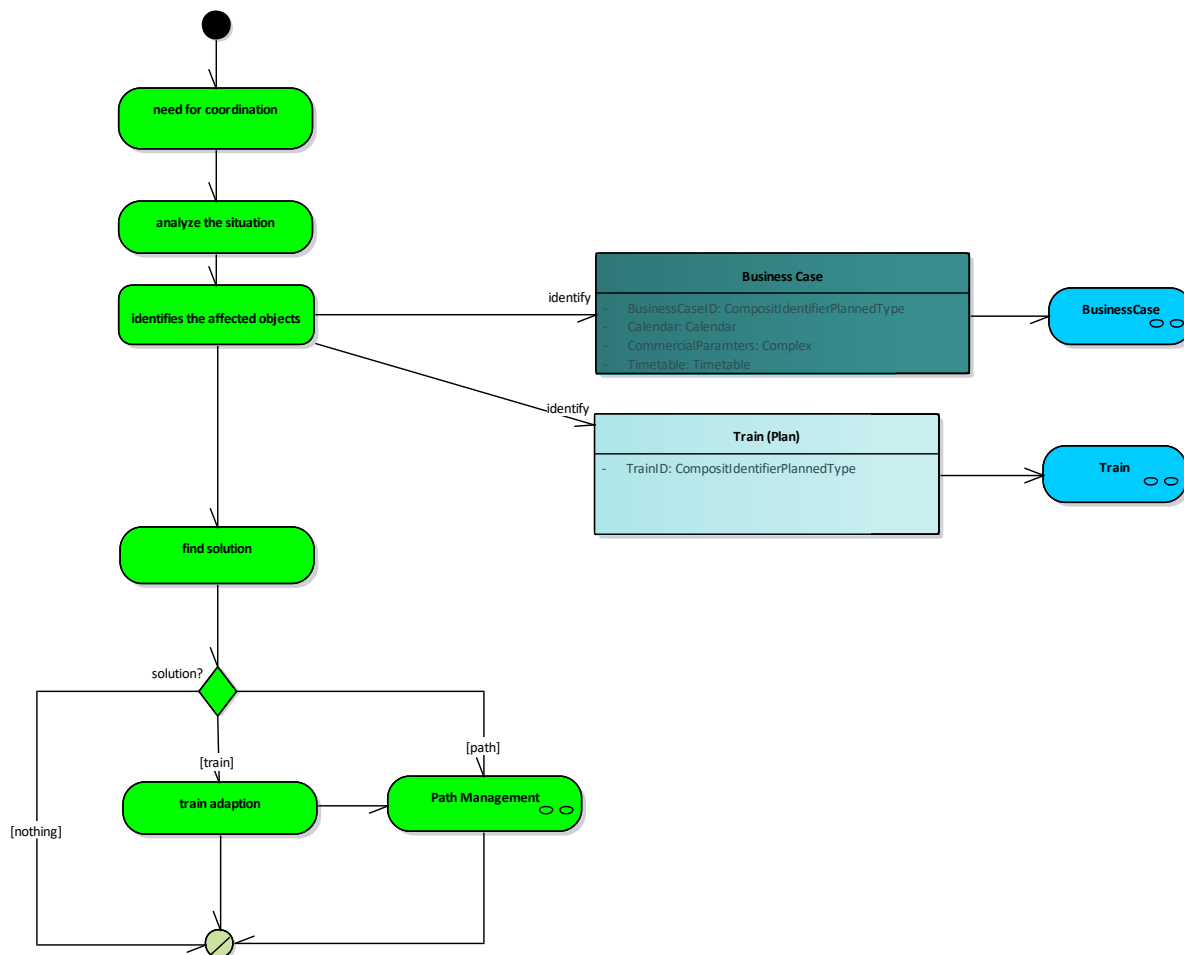


Figure 14: RU coordination

Business Case

Object in package 'Business Objects'

Business Case
 Version 1.0 Phase 1.0 Proposed
 seid.magljajic created on 08.11.2012. Last modified 18.02.2013

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Aggregation from CaseReference to Business Case	[Direction is 'Source -> Destination'.]
⇒ Aggregation from Dossier to Business Case	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
◆ BusinessCaseID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]

ATTRIBUTES	
 Calendar : Calendar Private	[Is static True. Containment is Not Specified.]
 CommercialParamters : Complex Private	[Is static True. Containment is Not Specified.]
 Timetable : Timetable Private	[Is static True. Containment is Not Specified.]


Train (Plan)



Object owned by 'Train (Overview)', in package 'Business Objects'




Train (Plan)
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS	
 Aggregation from Train (OP) to Train (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Train (Plan) : Object, Public To: Train : Object, Public	

ATTRIBUTES	
 TrainID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]




ASSOCIATIONS	
 Association (direction: Source -> Destination) Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]
 Association (direction: Destination -> Source) Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) PathRequest Cardinality: [*]


ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) Path (Plan) Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) CaseReference Cardinality: [1]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) Dossier Cardinality: [1]</p>

identifies the affected objects

Action owned by 'RU coordination', in package 'Main Workflows'

identifies the affected objects
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>Name: identify</p> <p> Object Flow from identifies the affected objects to Business Case</p>
<p> ControlFlow from identifies the affected objects to find solution</p>
<p>Name: identify</p> <p> Object Flow from identifies the affected objects to Train (Plan)</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p> ControlFlow from analyze the situation to identifies the affected objects</p>

analyze the situation

Activity owned by 'RU coordination', in package 'Main Workflows'

what is affected?
what causes the problems?

analyze the situation
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from analyze the situation to identifies the affected objects

⇐ ControlFlow from analyze the situation to identifies the affected objects

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from need for coordination to analyze the situation

BusinessCase

Activity owned by 'RU coordination', in package 'Main Workflows'

BusinessCase
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from Business Case to BusinessCase

find solution

Activity owned by 'RU coordination', in package 'Main Workflows'

find solution
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from find solution to solution?

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from identifies the affected objects to find solution

identifies the affected objects

Activity owned by 'RU coordination', in package 'Main Workflows'

identifies the affected objects
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 08.11.2012

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from analyze the situation to identifies the affected objects</p>

need for coordination

Activity owned by 'RU coordination', in package 'Main Workflows'

- optimization of own resources
- operational issues
- customer needs
- load exceeds reg. cap.
- timing
-

need for coordination
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from need for coordination to analyze the situation</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from ActivityInitial to need for coordination</p>

Train

Activity owned by 'RU coordination', in package 'Main Workflows'

Train
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Object Flow from Train (Plan) to Train</p>

train adaption

Activity owned by 'RU coordination', in package 'Main Workflows'

train adaption

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from train adaption to Path Management
⇐ ControlFlow from train adaption to FlowFinal

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from solution? to train adaption Guard: train

solution?*DecisionNode owned by 'RU coordination', in package 'Main Workflows'*

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from solution? to FlowFinal Guard: nothing
⇐ ControlFlow from solution? to train adaption Guard: train
⇐ ControlFlow from solution? to Path Management Guard: path

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from find solution to solution?

FlowFinal*FlowFinal owned by 'RU coordination', in package 'Main Workflows'*

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from Path Management to FlowFinal
⇒ ControlFlow from solution? to FlowFinal Guard: nothing

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from train adaption to FlowFinal</p>

ActivityInitial

ActivityInitial owned by 'RU coordination', in package 'Main Workflows'

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from ActivityInitial to need for coordination</p>

Operation

UseCase «business use case» owned by 'Overview of European Rail Business', in package 'Main Workflows'

Operation
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.06.2013. Last modified 19.06.2013

ELEMENTS OWNED BY Operation
<p>☰ Operation : Activity «business use case»</p>

Operation

Activity owned by 'Operation', in package 'Main Workflows'

Operation
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 24.06.2013. Last modified 24.06.2013

ELEMENTS OWNED BY Operation
<p>☰ Process operational messages : Activity</p>
<p>☰ IMs and their systems : ActivityPartition</p>
<p>☰ RUs and their systems : ActivityPartition</p>

Operational Messages diagram

Activity diagram in package 'Main Workflows'

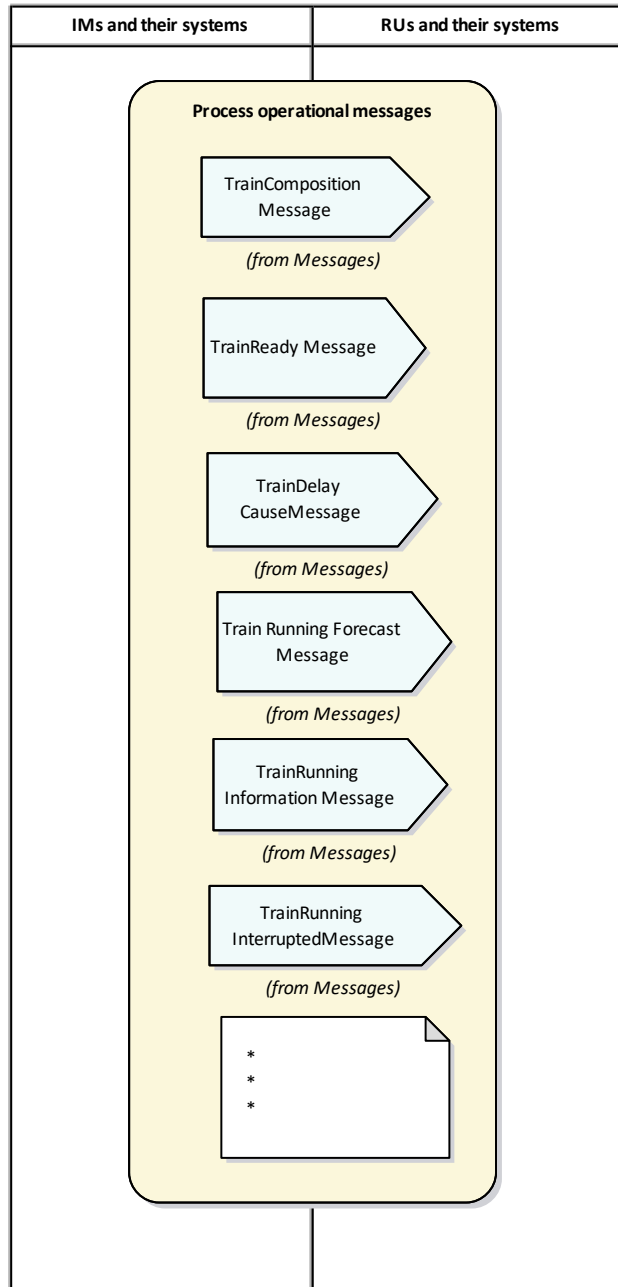



Figure 15: Operaional Messages

TrainComposition Message
Trigger in package 'Messages'




TrainComposition Message
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 21.05.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	TRain Composition Message procession started : Synchronization, Public
To:	TrainComposition Message : Trigger, Public

TrainDelay CauseMessage

Trigger in package 'Messages'



TrainDelay CauseMessage
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 15.03.2013. Last modified 21.05.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	TrainDelay CauseMessage : Trigger, Public
To:	In operation : State, Public
 Dependency	Source -> Destination
From:	TrainDelay CauseMessage : Trigger, Public
To:	Delayed : State, Public
 Dependency	Source -> Destination
From:	Train Delay Cause Message processing started : Synchronization, Public
To:	TrainDelay CauseMessage : Trigger, Public

TrainReady Message

Trigger in package 'Messages'







TrainReady Message
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 21.05.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	TrainReady Message : Trigger, Public
To:	Ready for operation : State, Public
 Dependency	Source -> Destination
From:	Train Ready Message processing started : Synchronization, Public
To:	TrainReady Message : Trigger, Public

Train Running Forecast Message

Trigger in package 'Messages'


Train Running Forecast Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 15.03.2013. Last modified 04.06.2013





CONNECTORS
<p> Dependency Source -> Destination From: Train Running Forecast Message : Trigger, Public To: In operation : State, Public</p>
<p> Dependency Source -> Destination From: Train Running Forecast Message : Trigger, Public To: RU : ActivityPartition, Public</p>
<p> Dependency Source -> Destination From: Train Running Forecast Messaging started : Synchronization, Public To: Train Running Forecast Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path (OP) : Object, Public To: Train Running Forecast Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Train Running Forecast Processing started : Synchronization, Public To: Train Running Forecast Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Train Running Forecast Messahe Processing started : Synchronization, Public To: Train Running Forecast Message : Trigger, Public</p>

TrainRunning Information Message

Trigger in package 'Messages'

TrainRunning Information Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 15.03.2013. Last modified 17.06.2013



CONNECTORS
<p> Dependency Source -> Destination From: TrainRunning Information Message : Trigger, Public To: In operation : State, Public</p>

CONNECTORS
<p> Dependency Source -> Destination From: TrainRunning Information Message : Trigger, Public To: Delayed : State, Public</p>
<p> Dependency Source -> Destination From: Train Running Information Message processing started : Synchronization, Public To: TrainRunning Information Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Train Running Information Processing started : Synchronization, Public To: TrainRunning Information Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Train Running Information processing started : Synchronization, Public To: TrainRunning Information Message : Trigger, Public</p>

TrainRunning InterruptedMessage

Trigger in package 'Messages'

TrainRunning InterruptedMessage
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 21.05.2013

CONNECTORS
<p> Dependency Source -> Destination From: TrainRunning InterruptedMessage : Trigger, Public To: Interrupted : State, Public</p>
<p> Dependency Source -> Destination From: Train Running Interrupted Message processing started : Synchronization, Public To: TrainRunning InterruptedMessage : Trigger, Public</p>

Process operational messages

Activity owned by 'Operation', in package 'Main Workflows'

Process operational messages
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 24.06.2013. Last modified 24.06.2013

IMs and their systems*ActivityPartition owned by 'Operation', in package 'Main Workflows'*

IMs and their systems
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 24.06.2013. Last modified 24.06.2013

RUs and their systems*ActivityPartition owned by 'Operation', in package 'Main Workflows'*

RUs and their systems
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 24.06.2013. Last modified 24.06.2013

ELEMENTS OWNED BY RUs and their systems
 Process RU-RU messages : Activity
Process RU-RU messages*Activity owned by 'RUs and their systems', in package 'Main Workflows'*

Process RU-RU messages
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 24.06.2013. Last modified 24.06.2013

IM-IM Coordination*UMLDiagram in package 'Main Workflows'*

IM-IM Coordination
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013
 Extends

Path Management*UMLDiagram in package 'Main Workflows'*

Path Management
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013
 Extends

RU-RU coordination*UMLDiagram in package 'Main Workflows'*

RU-RU coordination
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013
 Extends

Main Objects and LINKs


Package in package 'Introduction'

Main Objects and LINKs
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 24.05.2013. Last modified 24.05.2013

Involved Objects, IDs, Basic Attributes and Links

Object in package 'Main Objects and LINKs'

Involved Objects, IDs, Basic Attributes and Links
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 14.06.2013. Last modified 14.06.2013

ELEMENTS OWNED BY Involved Objects, IDs, Basic Attributes and Links
 Business Case : Node

Involved Objects diagram

Deployment diagram in package 'Main Objects and LINKs'

Involved Objects
 Version 1.0
 seid.magljalic created on 24.05.2013. Last modified 16.06.2013

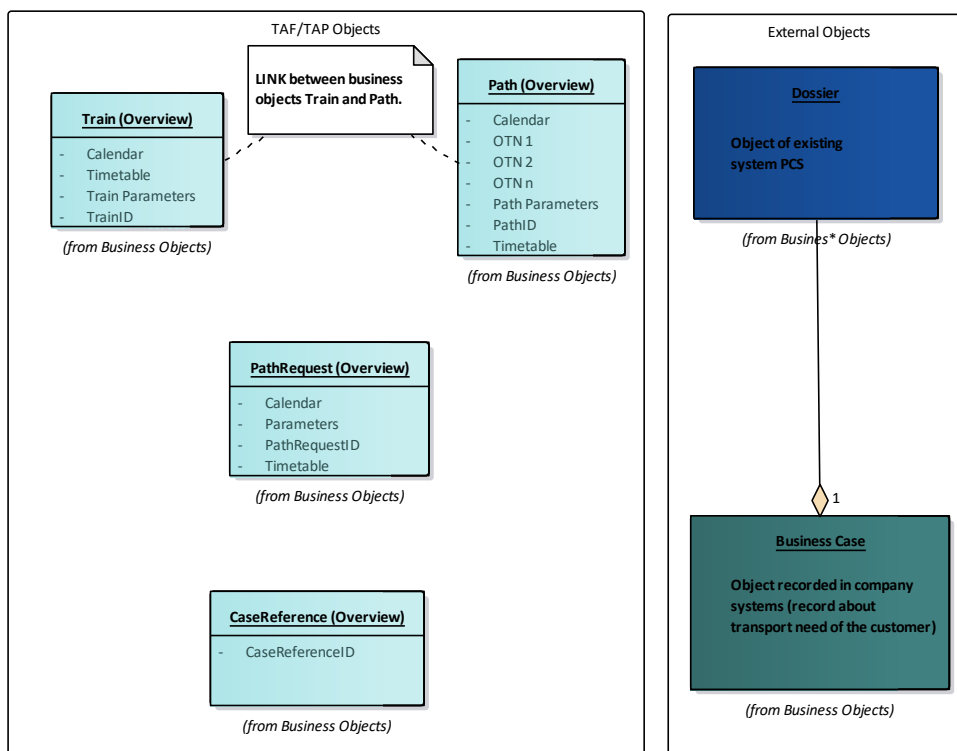


Figure 16: Involved Objects

Text

Text in package 'Main Objects and LINKs'

Object recorded in company systems (record about transport need of the customer)

Text
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 14.06.2013. Last modified 14.06.2013
Extends

Text

Text in package 'Main Objects and LINKs'

Object of existing system PCS

Text
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 14.06.2013. Last modified 14.06.2013
Extends

Business Case

Object in package 'Business Objects'

Business Case
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 18.02.2013

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Aggregation from CaseReference to Business Case	[Direction is 'Source -> Destination'.]
⇒ Aggregation from Dossier to Business Case	[Direction is 'Source -> Destination'.]





ATTRIBUTES	
◆ BusinessCaseID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]
◆ Calendar : Calendar Private	[Is static True. Containment is Not Specified.]
◆ CommercialParamters : Complex Private	[Is static True. Containment is Not Specified.]
◆ Timetable : Timetable Private	[Is static True. Containment is Not Specified.]

CaseReference (Overview)

Object in package 'Business Objects'

CaseReference (Overview)
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 14.06.2013. Last modified 14.06.2013

ATTRIBUTES	
 CaseReferenceID : Private	[Is static True. Containment is Not Specified.]


ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Object) CaseReference (Overview)	Target: Public (Object) Path (Overview)
 Association (direction: Unspecified)	
Source: Public (Object) CaseReference (Overview)	Target: Public (Object) CaseReference
 Association (direction: Unspecified)	
Source: Public (Object) CaseReference (Overview)	Target: Public (Object) PathRequest (Overview)
 Association (direction: Unspecified)	
Source: Public (Object) CaseReference (Overview)	Target: Public (Object) Train (Overview)

Dossier

Object in package 'Business Objects'

Dossier
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.02.2013. Last modified 18.02.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Dossier to Business Case	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
 DossierID : CompositIdentifierPlannedType Private	



ATTRIBUTES	
	[Is static True. Containment is Not Specified.]
 TimetableYear : int Private	[Is static True. Containment is Not Specified.]
 Title : String Private	[Is static True. Containment is Not Specified.]


ASSOCIATIONS	
 Association (direction: Unspecified) Source: Public (Object) Dossier Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]
 Association (direction: Unspecified) Source: Public (Object) Dossier Cardinality: [1]	Target: Public (Object) PathRequest Cardinality: [*]
 Association (direction: Unspecified) Source: Public (Object) CaseReference	Target: Public (Object) Dossier
 Association (direction: Unspecified) Source: Public (Object) Train (Plan) Cardinality: [*]	Target: Public (Object) Dossier Cardinality: [1]

Path (Overview)





Object in package 'Business Objects'

Path (Overview)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 14.06.2013. Last modified 14.06.2013

ELEMENTS OWNED BY Path (Overview)
 OperationalTrainNumber (OTN) : Artifact
 Path (OP) : Object

ELEMENTS OWNED BY Path (Overview)
 Path (Plan) : Object

ATTRIBUTES
 Calendar : Private [Is static True. Containment is Not Specified.]
 OTN 1 : Private [Is static True. Containment is Not Specified.]
 OTN 2 : Private [Is static True. Containment is Not Specified.]
 OTN n : Private [Is static True. Containment is Not Specified.]
 Path Parameters : Private [Is static True. Containment is Not Specified.]
 PathID : Private [Is static True. Containment is Not Specified.]
 Timetable : Private [Is static True. Containment is Not Specified.]

ASSOCIATIONS
 Association (direction: Unspecified) Source: Public (Object) Path (Overview) Target: Public (Object) Path
 Association (direction: Unspecified) Source: Public (Object) CaseReference (Overview) Target: Public (Object) Path (Overview)
 Association (direction: Unspecified) Source: Public (Object) PathRequest (Overview) Target: Public (Object) Path (Overview)
 Association (direction: Unspecified)

ASSOCIATIONS	
Source: Public (Object) Train (Overview)	Target: Public (Object) Path (Overview)




OperationalTrainNumber (OTN)

Artifact owned by 'Path (Overview)', in package 'Business Objects'

OTN is contained on each path section. Indication of the OTN on one location means that the OTN is valid for the section starting at this location until the next subsequent one.

On the subsequent path segment (i.e. between next two locations), the OTN can be changed.

OperationalTrainNumber (OTN)
Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 18.02.2015. Last modified 06.03.2015


CONNECTORS
 Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (OP) : Object, Public
 Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: PlannedJourenyLocation : Object, Public
 Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (Plan) : Object, Public



Path (OP)


Object owned by 'Path (Overview)', in package 'Business Objects'

Path (OP)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 28.06.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Path (OP) to Path (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS
 Dependency Source -> Destination From: Path (OP) : Object, Public To: Train Running Forecast Message : Trigger, Public

CONNECTORS	
 Dependency Source -> Destination From: Path (OP) : Object, Public To: Path : Object, Public	
 Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (OP) : Object, Public	

ATTRIBUTES	
 PathID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]



ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Path (OP) Cardinality: [1]	Target: Public (Object) PlannedJourenyLocation Cardinality: [*]


Path (Plan)


Object owned by 'Path (Overview)', in package 'Business Objects'





Path (Plan)
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS	
 Aggregation from Path (OP) to Path (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Path (Plan) : Object, Public To: Path : Object, Public	
 Dependency Source -> Destination From: synchronize actions : Synchronization, Public To: Path (Plan) : Object, Public	

CONNECTORS
<p> Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (Plan) : Object, Public</p>

ATTRIBUTES
<p> PathID : CompositIdentifierPlanningType Private [Is static True. Containment is Not Specified.]</p>

ASSOCIATIONS		
<p> Association (direction: Source -> Destination)</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Source: Public (Object) Path (Plan) Cardinality: [1]</td> <td style="width: 50%;">Target: Public (Object) PathInformation Cardinality: [1]</td> </tr> </table>	Source: Public (Object) Path (Plan) Cardinality: [1]	Target: Public (Object) PathInformation Cardinality: [1]
Source: Public (Object) Path (Plan) Cardinality: [1]	Target: Public (Object) PathInformation Cardinality: [1]	
<p> Association (direction: Source -> Destination)</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Source: Public (Object) Path (Plan) Cardinality: [*]</td> <td style="width: 50%;">Target: Public (Object) CaseReference Cardinality: [1]</td> </tr> </table>	Source: Public (Object) Path (Plan) Cardinality: [*]	Target: Public (Object) CaseReference Cardinality: [1]
Source: Public (Object) Path (Plan) Cardinality: [*]	Target: Public (Object) CaseReference Cardinality: [1]	
<p> Association (direction: Unspecified)</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Source: Public (Object) Dossier Cardinality: [1]</td> <td style="width: 50%;">Target: Public (Object) Path (Plan) Cardinality: [*]</td> </tr> </table>	Source: Public (Object) Dossier Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]
Source: Public (Object) Dossier Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]	
<p> Association (direction: Unspecified)</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Source: Public (Object) Train (Plan) Cardinality: [1]</td> <td style="width: 50%;">Target: Public (Object) Path (Plan) Cardinality: [*]</td> </tr> </table>	Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]	

PathRequest (Overview)

Object in package 'Business Objects'

PathRequest (Overview)
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 14.06.2013. Last modified 14.06.2013

ELEMENTS OWNED BY PathRequest (Overview)
<p> PathRequest : Object</p>

ATTRIBUTES

ATTRIBUTES	
◆ Calendar : Private	[Is static True. Containment is Not Specified.]
◆ Parameters : Private	[Is static True. Containment is Not Specified.]
◆ PathRequestID : Private	[Is static True. Containment is Not Specified.]
◆ Timetable : Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
<p>✍ Association (direction: Unspecified)</p> <p>Source: Public (Object) PathRequest (Overview) Target: Public (Object) PathRequest</p>	
<p>✍ Association (direction: Unspecified)</p> <p>Source: Public (Object) PathRequest (Overview) Target: Public (Object) Train (Overview)</p>	
<p>✍ Association (direction: Unspecified)</p> <p>Source: Public (Object) PathRequest (Overview) Target: Public (Object) Path (Overview)</p>	
<p>✍ Association (direction: Unspecified)</p> <p>Source: Public (Object) CaseReference (Overview) Target: Public (Object) PathRequest (Overview)</p>	

PathRequest

Object owned by 'PathRequest (Overview)', in package 'Business Objects'

PathRequest
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 28.06.2013

ATTRIBUTES	
◆ CoordinatingIM : CompanyCode Private	[Is static True. Containment is Not Specified.]
◆ LeadRU : CompanyCode Private	

ATTRIBUTES	
	[Is static True. Containment is Not Specified.]
◆ MessageStatus : int Private	[Is static True. Containment is Not Specified.]
◆ PathRequestID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]
◆ TypeOfIMHarmonizations : String Private	[Is static True. Containment is Not Specified.]
◆ TypeOfInformation : int Private	[Is static True. Containment is Not Specified.]
◆ TypeOfRequest : int Private	[Is static True. Containment is Not Specified.]
◆ TypeOfRUHarmonization : String Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
<p>✍ Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [1]</p> <p>Target: Public (Object) TrainInformation Cardinality: [1]</p>	
<p>✍ Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [*]</p> <p>Target: Public (Object) CaseReference Cardinality: [1]</p>	
<p>✍ Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [0]</p> <p>Target: Public (Object) NetworkSpecificParameter Cardinality: [*]</p>	
<p>✍ Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [1]</p> <p>Target: Public (Object) PathInformation Cardinality: [1]</p>	
<p>✍ Association (direction: Unspecified)</p>	

ASSOCIATIONS	
Source: Public (Object) Dossier Cardinality: [1]	Target: Public (Object) PathRequest Cardinality: [*]
✍ Association (direction: Unspecified)	
Source: Public (Object) PathRequest (Overview)	Target: Public (Object) PathRequest
✍ Association (direction: Destination -> Source)	
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) PathRequest Cardinality: [*]

Train (Overview)

Object in package 'Business Objects'

Train (Overview)
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 14.06.2013. Last modified 14.06.2013

ELEMENTS OWNED BY Train (Overview)
📁 Train (OP) : Object
📁 Train (Plan) : Object

ATTRIBUTES	
◆ Calendar : Private	[Is static True. Containment is Not Specified.]
◆ Timetable : Private	[Is static True. Containment is Not Specified.]
◆ Train Parameters : Private	[Is static True. Containment is Not Specified.]
◆ TrainID : Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS
✍ Association (direction: Unspecified)

ASSOCIATIONS	
Source: Public (Object) Train (Overview)	Target: Public (Object) Train
 Association (direction: Unspecified)	
Source: Public (Object) Train (Overview)	Target: Public (Object) Path (Overview)
 Association (direction: Unspecified)	
Source: Public (Object) PathRequest (Overview)	Target: Public (Object) Train (Overview)
 Association (direction: Unspecified)	
Source: Public (Object) CaseReference (Overview)	Target: Public (Object) Train (Overview)

Train (OP)

Object owned by 'Train (Overview)', in package 'Business Objects'

Train (OP)
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 18.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Train (OP) to Train (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination	
From: Train (OP) : Object, Public	
To: Train : Object, Public	

ATTRIBUTES	
 TrainID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Train (OP) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]


Train (Plan)





Object owned by 'Train (Overview)', in package 'Business Objects'

Train (Plan)
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS	
<p>⇒ Aggregation from Train (OP) to Train (Plan)</p>	[Direction is 'Source -> Destination'.]

CONNECTORS	
<p> Dependency Source -> Destination</p> <p>From: Train (Plan) : Object, Public</p> <p>To: Train : Object, Public</p>	

ATTRIBUTES	
<p> TrainID : CompositIdentifierPlannedType Private</p>	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) TrainInformation Cardinality: [1]</p>
<p> Association (direction: Destination -> Source)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) PathRequest Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) Path (Plan) Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) CaseReference Cardinality: [1]</p>

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Object) Train (Plan)
Cardinality: [*]

Target: Public (Object) Dossier
Cardinality: [1]




Business Object Topology diagram

Deployment diagram in package 'Main Objects and LINKs'

Business Object Topology
Version 1.0

seid.magljalic created on 11.01.2006. Last modified 16.06.2013

Legend

-  New TAF/TAP Objects
-  Existing (PCS) Object
-  Existing TAF/TAP (Handbook/AG) Object

Name: Business Object Topology
Author: seid.magljalic
Version: 1.0
Created: 11.01.2006 00:00:00
Updated: 16.06.2013 23:44:13

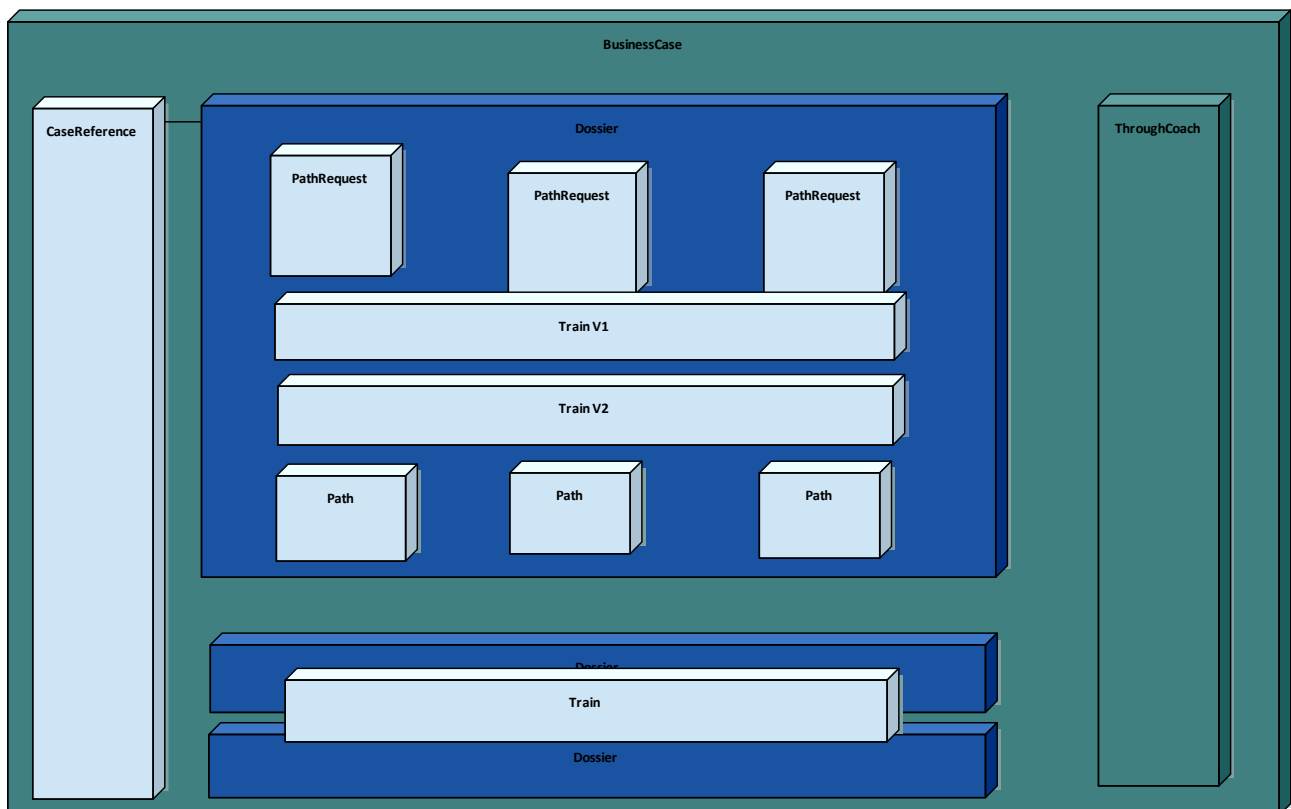


Figure 17: Business Object Topology

BusinessCase

Node in package 'Topology'

BusinessCase
Version 1.0 Phase 1.0 Proposed
created on 11.01.2006. Last modified 18.02.2013

ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Node) CaseReference	Target: Public (Node) ThroughCoach

Dossier

Node owned by 'BusinessCase', in package 'Topology'

Dossier
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 13.02.2013. Last modified 18.02.2013

Dossier

Node owned by 'BusinessCase', in package 'Topology'

Dossier
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 13.02.2013. Last modified 18.02.2013

Dossier

Node owned by 'BusinessCase', in package 'Topology'

Dossier
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 13.02.2013. Last modified 18.02.2013

ELEMENTS OWNED BY Dossier
 PathRequest : Node
 PathRequest : Node
 PathRequest : Node
 Train V1 : Node
 Train V2 : Node

ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Node) CaseReference	Target: Public (Node) Dossier

Train V2
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.02.2013. Last modified 18.02.2013

Path

Node owned by 'BusinessCase', in package 'Topology'

Path
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 13.02.2013. Last modified 13.02.2013

Path

Node owned by 'BusinessCase', in package 'Topology'

Path
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 13.02.2013. Last modified 13.02.2013

Path

Node owned by 'BusinessCase', in package 'Topology'

Path
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 13.02.2013. Last modified 13.02.2013

ThroughCoach

Node owned by 'BusinessCase', in package 'Topology'



ThroughCoach
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.02.2013. Last modified 18.02.2013

ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Node) ThroughCoach</p>	<p>Target: Public (Node) Train V1</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Node) ThroughCoach</p>	<p>Target: Public (Node) Train</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Node) CaseReference</p>	<p>Target: Public (Node) ThroughCoach</p>

Train

Node owned by 'BusinessCase', in package 'Topology'

Train
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.02.2013. Last modified 18.02.2013

ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Node) CaseReference</p>	<p>Target: Public (Node) Train</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Node) ThroughCoach</p>	<p>Target: Public (Node) Train</p>

CaseReference

Node owned by 'BusinessCase', in package 'Topology'

CaseReference
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.02.2013. Last modified 18.02.2013

ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Node) CaseReference</p>	<p>Target: Public (Node) Dossier</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Node) CaseReference</p>	<p>Target: Public (Node) PathRequest</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Node) CaseReference</p>	<p>Target: Public (Node) Train</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Node) CaseReference</p>	<p>Target: Public (Node) ThroughCoach</p>

Dossier

Node owned by 'BusinessCase', in package 'Topology'

Dossier

PathRequest
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 13.02.2013. Last modified 13.02.2013

Train V1

Node owned by 'Dossier', in package 'Topology'

Train V1
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 13.02.2013. Last modified 18.02.2013

ASSOCIATIONS
<div style="display: flex; align-items: flex-start;"> <div style="margin-right: 10px;"> </div> <div> <p>Association (direction: Unspecified)</p> <p>Source: Public (Node) ThroughCoach Target: Public (Node) Train V1</p> </div> </div>

Train V2

Node owned by 'Dossier', in package 'Topology'

Train V2
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.02.2013. Last modified 18.02.2013

Dossier

Node owned by 'BusinessCase', in package 'Topology'

Dossier
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 13.02.2013. Last modified 18.02.2013

Dossier

Node owned by 'BusinessCase', in package 'Topology'

Dossier
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 13.02.2013. Last modified 18.02.2013

Path

Node owned by 'BusinessCase', in package 'Topology'

Path
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 13.02.2013. Last modified 13.02.2013

Path

Node owned by 'BusinessCase', in package 'Topology'

Path
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 13.02.2013. Last modified 13.02.2013

Path

Node owned by 'BusinessCase', in package 'Topology'

Path
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 13.02.2013. Last modified 13.02.2013

ThroughCoach

Node owned by 'BusinessCase', in package 'Topology'

ThroughCoach
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.02.2013. Last modified 18.02.2013

ASSOCIATIONS	
 Association (direction: Unspecified) Source: Public (Node) ThroughCoach	Target: Public (Node) Train V1
 Association (direction: Unspecified) Source: Public (Node) ThroughCoach	Target: Public (Node) Train
 Association (direction: Unspecified) Source: Public (Node) CaseReference	Target: Public (Node) ThroughCoach

Train

Node owned by 'BusinessCase', in package 'Topology'

Train
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.02.2013. Last modified 18.02.2013

ASSOCIATIONS	
 Association (direction: Unspecified) Source: Public (Node) CaseReference	Target: Public (Node) Train

ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Node) ThroughCoach	Target: Public (Node) Train

PathRequest

Node owned by 'Dossier', in package 'Topology'

PathRequest
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 13.02.2013. Last modified 13.02.2013

ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Node) CaseReference	Target: Public (Node) PathRequest

PathRequest

Node owned by 'Dossier', in package 'Topology'

PathRequest
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 13.02.2013. Last modified 13.02.2013

PathRequest


Node owned by 'Dossier', in package 'Topology'

PathRequest
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 13.02.2013. Last modified 13.02.2013

Train V1

Node owned by 'Dossier', in package 'Topology'

Train V1
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 13.02.2013. Last modified 18.02.2013

ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Node) ThroughCoach	Target: Public (Node) Train V1

Train V2

Node owned by 'Dossier', in package 'Topology'

Train V2
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.02.2013. Last modified 18.02.2013

Text









Text in package 'Main Objects and LINKS'





Text
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.02.2013. Last modified 18.02.2013
Extends

Business Case

Node owned by 'Involved Objects, IDs, Basic Attributes and Links', in package 'Main Objects and LINKS'

Business Case
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.05.2013. Last modified 14.06.2013

ELEMENTS OWNED BY Business Case
 Case Reference : Node
 Case Reference : Node
 Case Reference : Node
 Dossier : Node
 Path : Node
 Path : Node
 Path : Node
 Path Request : Node

ELEMENTS OWNED BY Business Case
 Path Request : Node
 PathRequest : Node
 Train : Node
 Train : Node

Case Reference

Node owned by 'Business Case', in package 'Main Objects and LINKs'

Case Reference
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.05.2013. Last modified 24.05.2013

Case Reference

Node owned by 'Business Case', in package 'Main Objects and LINKs'

Case Reference
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.05.2013. Last modified 24.05.2013

Case Reference

Node owned by 'Business Case', in package 'Main Objects and LINKs'

Case Reference
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.05.2013. Last modified 24.05.2013

Dossier



Node owned by 'Business Case', in package 'Main Objects and LINKs'

Dossier
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.05.2013. Last modified 24.05.2013

Path

Node owned by 'Business Case', in package 'Main Objects and LINKs'



Path
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.05.2013. Last modified 24.05.2013

ASSOCIATIONS	
<p> Association (direction: Unspecified) LINK</p> <p>Source: Public (Node) Train</p>	<p>Target: Public (Node) Path</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Node) Path Request</p>	<p>Target: Public (Node) Path</p>

Path

Node owned by 'Business Case', in package 'Main Objects and LINKS'



Path
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 24.05.2013. Last modified 24.05.2013

ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Node) PathRequest</p>	<p>Target: Public (Node) Path</p>
<p> Association (direction: Unspecified) LINK</p> <p>Source: Public (Node) Train</p>	<p>Target: Public (Node) Path</p>

Path

Node owned by 'Business Case', in package 'Main Objects and LINKS'



Path
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 24.05.2013. Last modified 24.05.2013

ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Node) Path Request</p>	<p>Target: Public (Node) Path</p>
<p> Association (direction: Unspecified) LINK</p> <p>Source: Public (Node) Train</p>	<p>Target: Public (Node) Path</p>

Path Request

Node owned by 'Business Case', in package 'Main Objects and LINKs'



Path Request
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.05.2013. Last modified 24.05.2013

ASSOCIATIONS	
 Association (direction: Unspecified) Source: Public (Node) Path Request	Target: Public (Node) Path
 Association (direction: Unspecified) Source: Public (Node) Path Request	Target: Public (Node) Train

Path Request

Node owned by 'Business Case', in package 'Main Objects and LINKs'


Path Request
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.05.2013. Last modified 24.05.2013

ASSOCIATIONS	
 Association (direction: Unspecified) Source: Public (Node) Path Request	Target: Public (Node) Train
 Association (direction: Unspecified) Source: Public (Node) Path Request	Target: Public (Node) Path

PathRequest

Node owned by 'Business Case', in package 'Main Objects and LINKs'

PathRequest
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.05.2013. Last modified 24.05.2013

ASSOCIATIONS	
 Association (direction: Unspecified) Source: Public (Node) PathRequest	Target: Public (Node) Path

ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Node) PathRequest	Target: Public (Node) Train

Train

Node owned by 'Business Case', in package 'Main Objects and LINKs'

Train
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 24.05.2013. Last modified 24.05.2013

ASSOCIATIONS	
 Association (direction: Unspecified) LINK	
Source: Public (Node) Train	Target: Public (Node) Path
 Association (direction: Unspecified) LINK	
Source: Public (Node) Train	Target: Public (Node) Path
 Association (direction: Unspecified)	
Source: Public (Node) Path Request	Target: Public (Node) Train
 Association (direction: Unspecified)	
Source: Public (Node) PathRequest	Target: Public (Node) Train

Train

Node owned by 'Business Case', in package 'Main Objects and LINKs'

Train
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 24.05.2013. Last modified 24.05.2013

ASSOCIATIONS	
 Association (direction: Unspecified) LINK	
Source: Public (Node) Train	Target: Public (Node) Path
 Association (direction: Unspecified)	
Source: Public (Node) Path Request	Target: Public (Node) Train

ASSOCIATIONS

Legend

Text in package 'Main Objects and LINKs'

Legend
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.02.2013. Last modified 18.02.2013
Extends

Target Audience

Package in package 'Overview'

Target Audience
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 24.05.2013. Last modified 24.05.2013

Target Audience diagram

Analysis diagram in package 'Target Audience'

Target Audience
Version 1.0
seid.maglajlic created on 14.06.2013. Last modified 28.06.2013

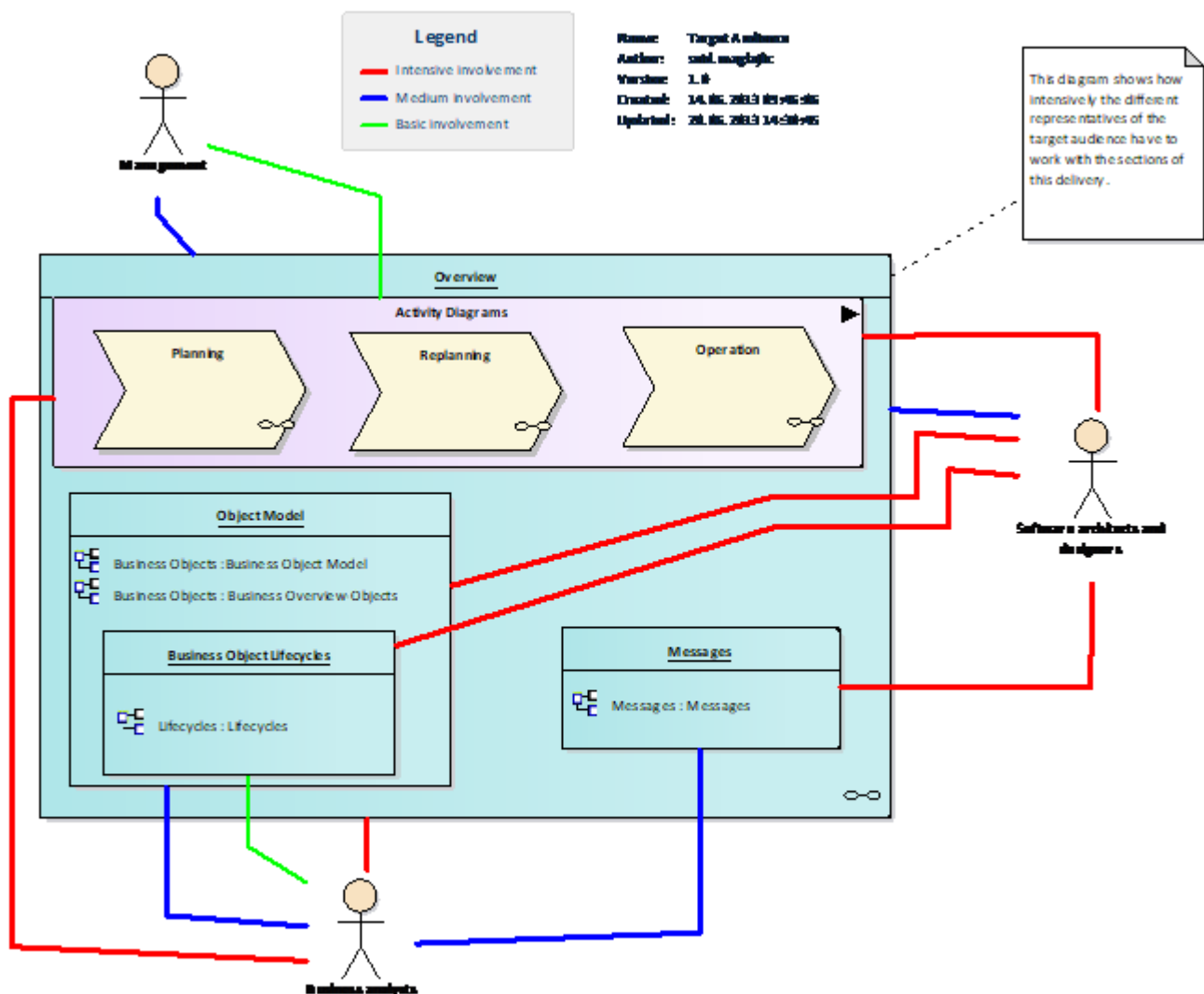


Figure 18: Target Audience

Note

Note in package 'Target Audience'

This diagram shows how intensively the different representatives of the target audience have to work with the sections of this delivery.

Note
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 24.06.2013. Last modified 24.06.2013
 Extends

Text







Text in package 'Target Audience'

Text
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 14.06.2013. Last modified 14.06.2013
 Extends

Business analysts

Actor in package 'Target Audience'

Business analysts
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 14.06.2013. Last modified 14.06.2013



ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Actor) Business analysts</p>	<p>Target: Public (Object) Object Model</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Actor) Business analysts</p>	<p>Target: Public (InformationItem) Messages</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Actor) Business analysts</p>	<p>Target: Public (InformationItem) Activity Diagrams</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Actor) Business analysts</p>	<p>Target: Public (Object) Overview</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Actor) Business analysts</p>	<p>Target: Public (Object) Messages</p>
<p> Association (direction: Unspecified)</p>	

ASSOCIATIONS	
Source: Public (Actor) Business analysts	Target: Public (Object) Business Object Lifecycles

Management

Actor in package 'Target Audience'





Management
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 14.06.2013. Last modified 14.06.2013



ASSOCIATIONS	
 Association (direction: Unspecified) Source: Public (Actor) Management	Target: Public (InformationItem) Activity Diagrams
 Association (direction: Unspecified) Source: Public (Actor) Management	Target: Public (Object) Overview

Software architects and designers

Actor in package 'Target Audience'

Software architects and designers
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 14.06.2013. Last modified 14.06.2013


ASSOCIATIONS	
 Association (direction: Unspecified) Source: Public (Actor) Software architects and designers	Target: Public (InformationItem) Activity Diagrams
 Association (direction: Unspecified) Source: Public (Actor) Software architects and designers	Target: Public (Object) Business Object Lifecycles
 Association (direction: Unspecified) Source: Public (Actor) Software architects and designers	Target: Public (Object) Overview
 Association (direction: Unspecified) Source: Public (Actor) Software architects and designers	Target: Public (Object) Object Model



ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Actor) Software architects and designers</p>	<p>Target: Public (InformationItem) Messages</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Actor) Software architects and designers</p>	<p>Target: Public (Object) Messages</p>

Object Model

Object in package 'Target Audience'

Object Model
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 14.06.2013. Last modified 14.06.2013

ELEMENTS OWNED BY Object Model
<p> Business Object Lifecycles : Object</p>

ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Actor) Business analysts</p>	<p>Target: Public (Object) Object Model</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Actor) Software architects and designers</p>	<p>Target: Public (Object) Object Model</p>

Object Model diagram

CompositeStructure diagram in package 'Target Audience'



Object Model
Version 1.0
seid.maglajlic created on 14.06.2013. Last modified 14.06.2013

Figure 19: Object Model

Business Object Lifecycles

Object owned by 'Object Model', in package 'Target Audience'

Business Object Lifecycles
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 14.06.2013. Last modified 14.06.2013




ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Actor) Software architects and designers</p>	<p>Target: Public (Object) Business Object Lifecycles</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Actor) Business analysts</p>	<p>Target: Public (Object) Business Object Lifecycles</p>

Overview

Object in package 'Target Audience'

Overview
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 14.06.2013. Last modified 14.06.2013

ELEMENTS OWNED BY Overview
<p> Operation : Activity «process»</p>
<p> Planning : Activity «process»</p>
<p> Messages : Object</p>

ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Actor) Business analysts</p>	<p>Target: Public (Object) Overview</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Actor) Software architects and designers</p>	<p>Target: Public (Object) Overview</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Actor) Management</p>	<p>Target: Public (Object) Overview</p>

ASSOCIATIONS

Operation

Activity «process» owned by 'Overview', in package 'Target Audience'

Operation
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 14.06.2013. Last modified 14.06.2013

Operation diagram

Activity diagram in package 'Target Audience'

Operation
Version 1.0
seid.maglajlic created on 14.06.2013. Last modified 19.06.2013

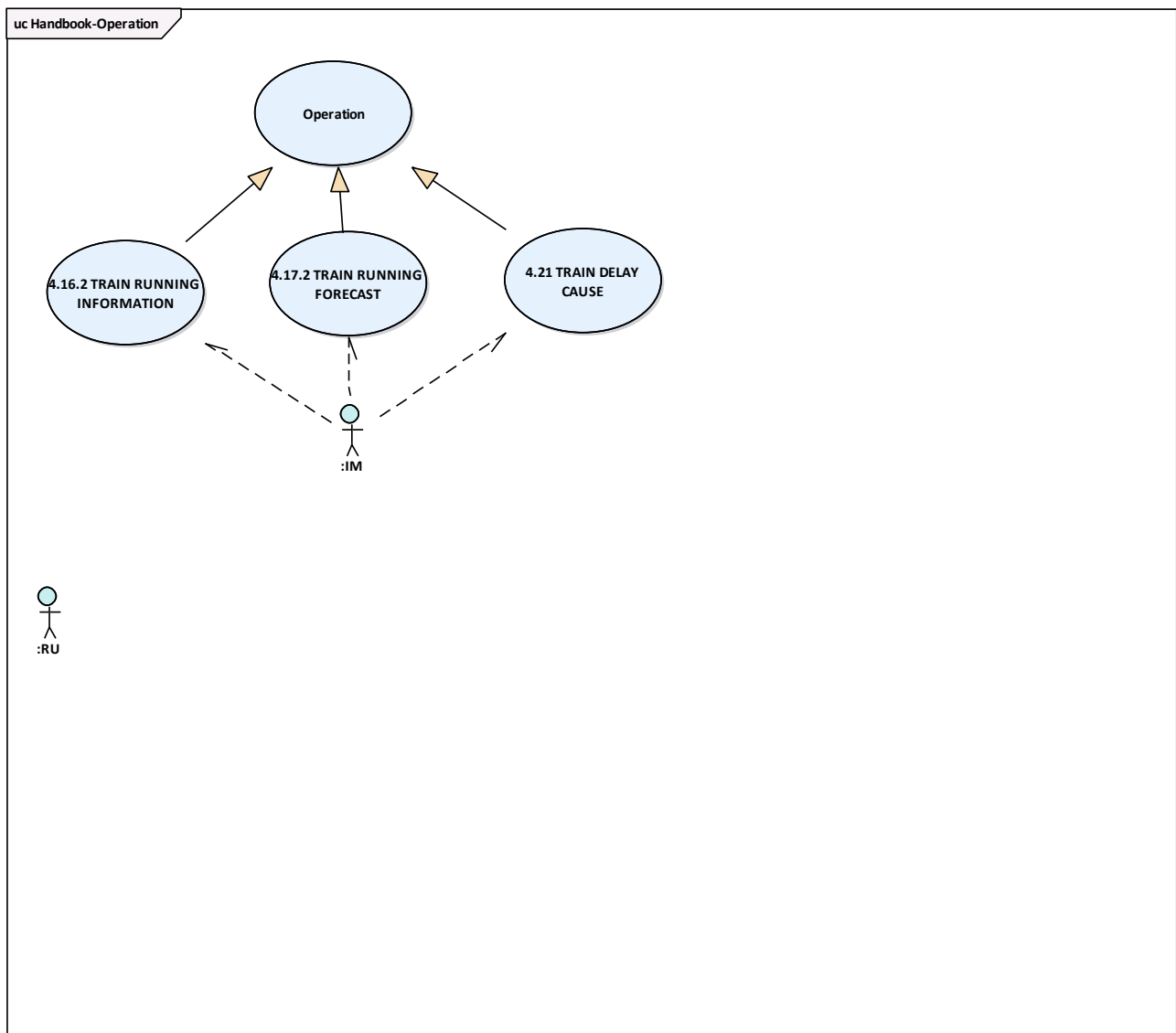


Figure 20: Operation

Planning

Activity «process» owned by 'Overview', in package 'Target Audience'

Planning
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 14.06.2013. Last modified 14.06.2013

Planning diagram

Activity diagram in package 'Target Audience'

Planning
Version 1.0
seid.maglajlic created on 14.06.2013. Last modified 14.06.2013

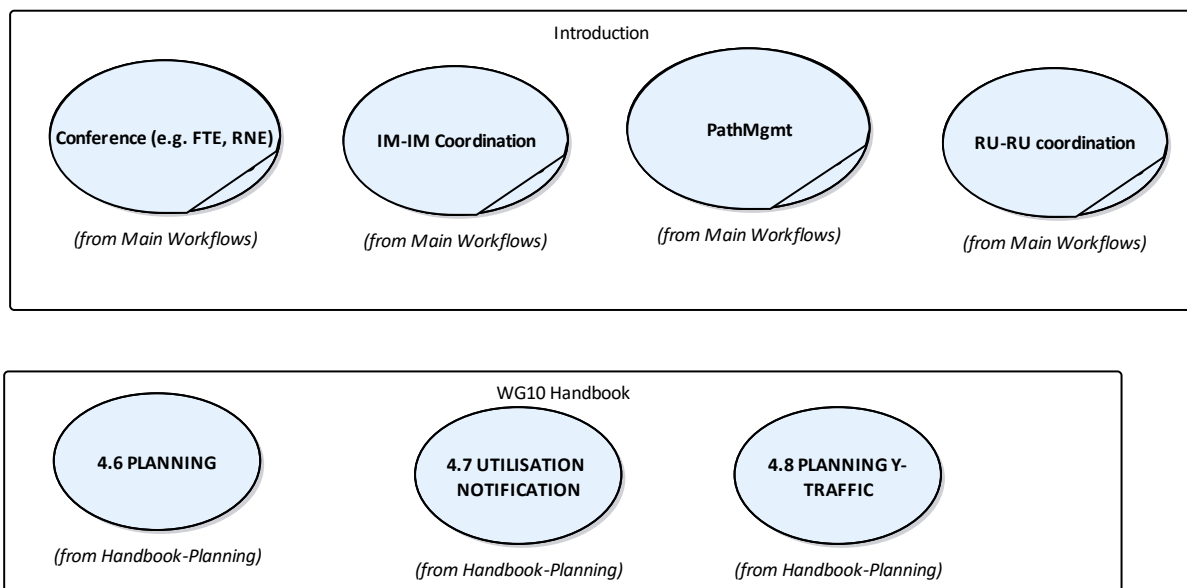




Figure 21: Planning

4.6 PLANNING

UseCase in package 'Handbook-Planning'


4.6 PLANNING
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 14.06.2013

ELEMENTS OWNED BY 4.6 PLANNING
<ul style="list-style-type: none">  c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o : Activity
<ul style="list-style-type: none">  PL-Activity : Activity

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

Activity owned by '4.6 PLANNING', in package 'Handbook-Planning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 28.06.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from PathDetails Message to c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

PL-Activity

Activity owned by '4.6 PLANNING', in package 'Handbook-Planning'

PL-Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 07.04.2013

4.7 UTILISATION NOTIFICATION

UseCase in package 'Handbook-Planning'


4.7 UTILISATION NOTIFICATION
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 21.05.2013

ELEMENTS OWNED BY 4.7 UTILISATION NOTIFICATION
 U-Activity : Activity

U-Activity

Activity owned by '4.7 UTILISATION NOTIFICATION', in package 'Handbook-Planning'

U-Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 07.04.2013

ELEMENTS OWNED BY U-Activity
 c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity

ELEMENTS OWNED BY U-Activity


 LINK TO BE CHECKED : Activity

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

Activity owned by 'U-Activity', in package 'Handbook-Planning'

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 19.06.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

 ControlFlow from c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS

 Information Flow from Error Message to c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

LINK TO BE CHECKED

Activity owned by 'U-Activity', in package 'Handbook-Planning'

LINK TO BE CHECKED
Version 1.0 Phase 1.0 Proposed
Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

 ControlFlow from LINK TO BE CHECKED to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

 Information Flow from Error Message to LINK TO BE CHECKED

4.8 PLANNING Y-TRAFFIC

UseCase in package 'Handbook-Planning'














4.8 PLANNING Y-TRAFFIC
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 21.05.2013

ELEMENTS OWNED BY 4.8 PLANNING Y-TRAFFIC
<ul style="list-style-type: none">  PL Y Activity : Activity

PL Y Activity

Activity owned by '4.8 PLANNING Y-TRAFFIC', in package 'Handbook-Planning'

PL Y Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 07.04.2013

ELEMENTS OWNED BY PL Y Activity
 c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o : Activity
 c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity

ELEMENTS OWNED BY PL Y Activity
☰ c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
☰ c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
☰ c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
☰ c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
☰ CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
☰ LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
☰ LINK HAS BEEN REFUSED : Activity
☰ LINK NOT CONFIRMED : Activity
☰ PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
☰ PathRequest : Object
☰ PathConfirmed Message : Trigger
☰ PathConfirmed Message : Trigger
☰ PathDetails Message : Trigger
☰ PathDetails Message Status booked : Trigger

c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 21.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o to IM</p>
<p>⇐ Information Flow from c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o to IM</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from PathRequest Message to c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o</p>

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 21.05.2013. Last modified 06.06.2013

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 23.08.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o to RU</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from PathDetails Message to c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o</p>

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o to RU</p>

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Information Flow from PathDetails Message Status booked to c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇨ ControlFlow from c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Information Flow from PathDetails Message Status booked to c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 06.06.2013

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 06.06.2013

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 06.06.2013

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Path Details Refused Message to c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from PathRequest Message Status Deletion to c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from PathRequest Message Status Deletion to c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o*Activity owned by 'PL Y Activity', in package 'Handbook-Planning'*

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 06.06.2013

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o*Activity owned by 'PL Y Activity', in package 'Handbook-Planning'*

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Path Confirmed Message to c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o*Activity owned by 'PL Y Activity', in package 'Handbook-Planning'*

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 06.06.2013

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o*Activity owned by 'PL Y Activity', in package 'Handbook-Planning'*

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to IM


INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Path Details Refused Message to c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from PathConfirmed Message to c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o





Activity owned by 'PL Y Activity', in package 'Handbook-Planning'


c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 06.06.2013

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.06.2013. Last modified 06.06.2013

ELEMENTS OWNED BY CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH
 CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
 CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
 CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
 CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH : Activity

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Information Flow from PathConfirmed Message to CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH', in package 'Handbook-Planning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.06.2013. Last modified 06.06.2013

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH', in package 'Handbook-Planning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.06.2013. Last modified 06.06.2013

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH', in package 'Handbook-Planning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.06.2013. Last modified 06.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇨ ControlFlow from CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Information Flow from Path Confirmed Message to CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH', in package 'Handbook-Planning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.06.2013. Last modified 06.06.2013

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0 Phase 1.0 Proposed

Hantak created on 04.06.2013. Last modified 28.06.2013

ELEMENTS OWNED BY LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)


 LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity

OUTGOING BEHAVIORAL RELATIONSHIPS

 ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions

 ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

 Information Flow from PathDetails Message Status booked to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

 Information Flow from Error Message to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)', in package 'Handbook-Planning'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)


Version 1.0 Phase 1.0 Proposed

Hantak created on 04.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

 ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions


INCOMING BEHAVIORAL RELATIONSHIPS


 Information Flow from PathDetails Message Status booked to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)


LINK HAS BEEN REFUSED

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

LINK HAS BEEN REFUSED
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 06.06.2013

ELEMENTS OWNED BY LINK HAS BEEN REFUSED
 LINK HAS BEEN REFUSED : Activity


OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from LINK HAS BEEN REFUSED to synchronize actions


INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from PathRequest Message Status Deletion to LINK HAS BEEN REFUSED

LINK HAS BEEN REFUSED

Activity owned by 'LINK HAS BEEN REFUSED', in package 'Handbook-Planning'

LINK HAS BEEN REFUSED
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 06.06.2013


OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from LINK HAS BEEN REFUSED to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from PathRequest Message Status Deletion to LINK HAS BEEN REFUSED

LINK NOT CONFIRMED

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

LINK NOT CONFIRMED
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 06.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from LINK NOT CONFIRMED to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Information Flow from Path Details Refused Message to LINK NOT CONFIRMED

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Version 1.0 Phase 1.0 Proposed

Hantak created on 30.05.2013. Last modified 06.06.2013

ELEMENTS OWNED BY PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

📄 PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity

OUTGOING BEHAVIORAL RELATIONSHIPS

⇨ ControlFlow from PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Information Flow from PathDetails Message to PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH', in package 'Handbook-Planning'

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Version 1.0 Phase 1.0 Proposed

Hantak created on 30.05.2013. Last modified 06.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇨ ControlFlow from PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Information Flow from PathDetails Message to PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

PathRequest

Object owned by 'PL Y Activity', in package 'Handbook-Planning'

PathRequest

Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 14.06.2013. Last modified 08.09.2013

ATTRIBUTES	
 Calendar : Private	[Is static True. Containment is Not Specified.]
 Parameters : Private	[Is static True. Containment is Not Specified.]
 PathRequestID : Private	[Is static True. Containment is Not Specified.]
 Timetable : Private	[Is static True. Containment is Not Specified.]

PathConfirmed Message


Trigger owned by 'PL Y Activity', in package 'Handbook-Planning'

PathConfirmed Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 15.03.2013. Last modified 21.05.2013

PathConfirmed Message

Trigger owned by 'PL Y Activity', in package 'Handbook-Planning'

PathConfirmed Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 15.03.2013. Last modified 21.05.2013

CONNECTORS	
 Dependency Source -> Destination From: Path Confirmed Processing started : Synchronization, Public To: PathConfirmed Message : Trigger, Public	

PathDetails Message

Trigger owned by 'PL Y Activity', in package 'Handbook-Planning'

c02 diagram contains the identifier processing of this message

PathDetails Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.02.2013. Last modified 05.06.2013

PathDetails Message Status booked









Trigger owned by 'PL Y Activity', in package 'Handbook-Planning'



PathDetails Message Status booked
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.06.2013

Conference (e.g. FTE, RNE)

UseCase «business use case» owned by 'Overview of European Rail Business', in package 'Main Workflows'

Conference (e.g. FTE, RNE)
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 19.06.2013

ELEMENTS OWNED BY Conference (e.g. FTE, RNE)
 business case identification : Activity «business use case»
 common review : Activity «business use case»
 defining of volumes (trains/wagons) : Activity «business use case»
 IM Coordination : Activity «business use case»
 negotiation : Activity «business use case»
 RU coordination : Activity «business use case»
 ActivityFinal : ActivityFinal «business use case»
 ActivityInitial : ActivityInitial «business use case»

EXTERNAL REQUIREMENTS
 Requirement. Business communication [Stereotype is «Functional»]
 Requirement. Planning reference for path planning management FTE [Stereotype is «Functional»]

ObjectNode2

ActionPin owned by 'business case identification', in package 'Main Workflows'

common review

Activity owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'

common review
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from common review to RU coordination

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from defining of volumes (trains/wagons) to common review

defining of volumes (trains/wagons)

Activity owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'

defining of volumes (trains/wagons)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 08.11.2012

ELEMENTS OWNED BY defining of volumes (trains/wagons)

📄 create train object : Action

📄 Relate to business case : Action

📄 BusinessCase : Activity

📄 define the transport volume : Activity

📄 detect number of trains : Activity

📄 detect throughgoing coaches : Activity

📄 Train Lifecycle Overview : Activity

ELEMENTS OWNED BY defining of volumes (trains/wagons)
☰ Train-Global : Activity
☰ ActivityInitial : ActivityInitial
☰ ActivityFinal : ActivityFinal

OUTGOING BEHAVIORAL RELATIONSHIPS
↔ ControlFlow from defining of volumes (trains/wagons) to common review
Name: create/update
↔ Object Flow from defining of volumes (trains/wagons) to Coach

INCOMING BEHAVIORAL RELATIONSHIPS
↔ ControlFlow from business case identification to defining of volumes (trains/wagons)

create train object

Action owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

create train object
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS
↔ Object Flow from create train object to Train (Plan)
↔ ControlFlow from create train object to Relate to business case

INCOMING BEHAVIORAL RELATIONSHIPS
↔ ControlFlow from as many as needed to create train object

Relate to business case

Action owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

Relate to business case
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐⇒ ControlFlow from Relate to business case to Synchronization</p>
<p>Name: link</p> <p>⇐⇒ Object Flow from Relate to business case to Business Case</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒⇒ ControlFlow from create train object to Relate to business case</p>

BusinessCase

Activity owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

BusinessCase
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒⇒ Object Flow from Business Case to BusinessCase</p>

define the transport volume

Activity owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

how many coaches?
throughgoing coaches?
complete/block trains?

define the transport volume
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐⇒ ControlFlow from define the transport volume to detect throughgoing coaches</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒⇒ ControlFlow from ActivityInitial to define the transport volume</p>

detect number of trains

Activity owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

detect number of trains
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from detect number of trains to as many as needed</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from detect throughgoing coaches to detect number of trains</p>

detect throughgoing coaches

Activity owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

detect throughgoing coaches
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>Name: create</p> <p>⇐ Object Flow from detect throughgoing coaches to Coach</p>
<p>⇐ ControlFlow from detect throughgoing coaches to detect number of trains</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from define the transport volume to detect throughgoing coaches</p>

Train Lifecycle Overview

Activity owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

Train Lifecycle Overview
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.06.2013. Last modified 18.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Object Flow from Train (Plan) to Train Lifecycle Overview</p>

Train-Global

Activity owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

Train-Global
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.06.2013. Last modified 18.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from Train (Plan) to Train-Global

ActivityInitial

ActivityInitial owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from ActivityInitial to define the transport volume

ActivityFinal

ActivityFinal owned by 'defining of volumes (trains/wagons)', in package 'Main Workflows'

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Synchronization to ActivityFinal

IM Coordination

Activity owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'

IM Coordination
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from IM Coordination to Synchronize the activities

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Start path management and notify IMs to IM Coordination


negotiation

Activity owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'


negotiation

Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 18.06.2013

STRUCTURAL PART OF negotiation

 ObjectNode1 : ActionPin

OUTGOING BEHAVIORAL RELATIONSHIPS

 ControlFlow from negotiation to business case identification

INCOMING BEHAVIORAL RELATIONSHIPS

 ControlFlow from ActivityInitial to negotiation

ObjectNode1


ActionPin owned by 'negotiation', in package 'Main Workflows'

RU coordination


Activity owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'

RU coordination
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

 ControlFlow from RU coordination to Start path management and notify IMs


INCOMING BEHAVIORAL RELATIONSHIPS

 ControlFlow from common review to RU coordination

ActivityFinal

ActivityFinal owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'

INCOMING BEHAVIORAL RELATIONSHIPS

 ControlFlow from Synchronize the activities to ActivityFinal

ActivityInitial

ActivityInitial owned by 'Conference (e.g. FTE, RNE)', in package 'Main Workflows'

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from ActivityInitial to negotiation

IM-IM Coordination

UseCase «business use case» owned by 'Overview of European Rail Business', in package 'Main Workflows'

IM-IM Coordination
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 19.06.2013

ELEMENTS OWNED BY IM-IM Coordination

IM-IM coordination : Activity «business use case»

EXTERNAL REQUIREMENTS

Requirement. Business communication

[Stereotype is «Functional»]

Requirement. IM path construction

TG1/TG4

[Stereotype is «Functional»]

Requirement. Referncing the business cases in object model (ex. "translation layer" issue)

[Stereotype is «Functional»]

OUTGOING STRUCTURAL RELATIONSHIPS

Realization from «business use case» IM-IM Coordination to «Functional» Referncing the business cases in object model (ex. "translation layer" issue)

[Direction is 'Source -> Destination'.]

Realization from «business use case» IM-IM Coordination to «Functional» IM path construction

[Direction is 'Source -> Destination'.]

Realization from «business use case» IM-IM Coordination to «Functional» Business communication

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Actor) IM «business actor»


Target: Public (UseCase) IM-IM Coordination
«business use case»

IM-IM coordination

Activity owned by 'IM-IM Coordination', in package 'Main Workflows'

IM-IM coordination
Version 1.0 Phase 1.0 Proposed
Hantak created on 25.03.2013. Last modified 19.06.2013

ELEMENTS OWNED BY IM-IM coordination


 Path : Activity

Path

Activity owned by 'IM-IM coordination', in package 'Main Workflows'

Path
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS

 Object Flow from Path (Plan) to Path



PathMgmt



UseCase «business use case» owned by 'Overview of European Rail Business', in package 'Main Workflows'



PathMgmt
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 19.06.2013

ELEMENTS OWNED BY PathMgmt

 Path Management : Activity «business use case»

EXTERNAL REQUIREMENTS	
<p> Requirement. IM path construction</p> <p>TG1/TG4</p>	[Stereotype is «Functional»]
<p> Requirement. Through-Going coaches (through-coaches)</p> <p>TG1</p>	[Stereotype is «Functional»]




OUTGOING STRUCTURAL RELATIONSHIPS	
<p> Realization from «business use case» PathMgmt to «Functional» Through-Going coaches (through-coaches)</p>	[Direction is 'Source -> Destination'.]
<p> Realization from «business use case» PathMgmt to «Functional» IM path construction</p>	[Direction is 'Source -> Destination'.]




CONNECTORS	
<p> UseCaseLink Source -> Destination</p> <p>From: IM : Actor, Public</p> <p>To: PathMgmt : UseCase, Public</p>	
<p> UseCaseLink Source -> Destination</p> <p>From: RU : Actor, Public</p> <p>To: PathMgmt : UseCase, Public</p>	



Path Management




Activity owned by 'PathMgmt', in package 'Main Workflows'

Path Management
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 19.06.2013

ELEMENTS OWNED BY Path Management
 Dossier : Activity
 Path : Activity
 IM : ActivityPartition

ELEMENTS OWNED BY Path Management
 RU : ActivityPartition
 IM coordination : InterruptibleActivityRegion
 FlowFinal : FlowFinal


OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Path Management to FlowFinal
 ControlFlow from Path Management to Synchronize the activities

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Start path management and notify IMs to Path Management
 ControlFlow from train adaption to Path Management
 ControlFlow from solution? to Path Management Guard: path

Dossier

Activity owned by 'Path Management', in package 'Main Workflows'

Dossier
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS
 Object Flow from Dossier to Dossier

Path

Activity owned by 'Path Management', in package 'Main Workflows'

Path
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Object Flow from Path (Plan) to Path

IM

ActivityPartition owned by 'Path Management', in package 'Main Workflows'

IM

Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 08.11.2012. Last modified 08.11.2012

ELEMENTS OWNED BY IM

☰ check capacity : Activity

☰ book path : Activity

☰ CaseReference : Activity

☰ PathRequest : Activity

☰ Train : Activity

☰ IM : Event

☰ Start IM Activity : ActivityInitial

check capacity

Activity owned by 'IM', in package 'Main Workflows'

check capacity

Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 13.11.2013. Last modified 13.11.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇨ ControlFlow from check capacity to EXIT: Answer not possible
Guard: capacity not available

⇨ ControlFlow from check capacity to construct path
Guard: capacity available

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Check path request to check capacity

book path

Activity owned by 'IM', in package 'Main Workflows'

book path
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 13.11.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from book path to FlowFinal

INCOMING BEHAVIORAL RELATIONSHIPS

Name: PathID

⇒ Information Flow from Path Confirmed Message to book path

⇒ ControlFlow from send answer to book path

CaseReference

Activity owned by 'IM', in package 'Main Workflows'

CaseReference
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from CaseReference to CaseReference

PathRequest

Activity owned by 'IM', in package 'Main Workflows'

PathRequest
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from PathRequest to PathRequest

Train

Activity owned by 'IM', in package 'Main Workflows'



Train
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS
 Object Flow from Train (Plan) to Train

IM

Event owned by 'IM', in package 'Main Workflows'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 18.03.2013

CONNECTORS
 Dependency Train ID: Mandatory Source -> Destination From: PathRequest Message : Trigger, Public To: IM : Event, Public
 Dependency PathRequest ID: Mandatory Source -> Destination From: PathRequest Message : Trigger, Public To: IM : Event, Public

Start IM Activity












ActivityInitial owned by 'IM', in package 'Main Workflows'

RU

ActivityPartition owned by 'Path Management', in package 'Main Workflows'

RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012



ELEMENTS OWNED BY RU
 harmonize train : Action

ELEMENTS OWNED BY RU
 init train ressource planning : Action
 planning the path needed : Action
 4.6 Planning Activity : Activity
 check offered path : Activity
 planning the ressources : Activity
 planning the train section : Activity
 Request path : Activity
 request path : Activity
 review with partners : Activity
 send answer : Activity
 ActivityInitial : ActivityInitial



harmonize train

Action owned by 'RU', in package 'Main Workflows'

harmonize train
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 15.03.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from harmonize train to planning the ressources
Name: update  Object Flow from harmonize train to Coach
Name: update


OUTGOING BEHAVIORAL RELATIONSHIPS
 Object Flow from harmonize train to Train (Plan)


INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from planning the train section to harmonize train
 Object Flow from Train (Plan) to harmonize train

init train ressource planning

Action owned by 'RU', in package 'Main Workflows'

init train ressource planning
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 15.03.2013


OUTGOING BEHAVIORAL RELATIONSHIPS
 Object Flow from init train ressource planning to CaseReference

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from ActivityInitial to init train ressource planning


planning the path needed

Action owned by 'RU', in package 'Main Workflows'

planning the path needed
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 15.03.2013

STRUCTURAL PART OF planning the path needed
 ActionPin1 : ActionPin

OUTGOING BEHAVIORAL RELATIONSHIPS
Name: create
 Object Flow from planning the path needed to PathRequest

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from planning the ressources to planning the path needed

INCOMING BEHAVIORAL RELATIONSHIPS

ActionPin1

ActionPin owned by 'planning the path needed', in package 'Main Workflows'

4.6 Planning Activity

Activity owned by 'RU', in package 'Main Workflows'

4.6 Planning Activity
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from 4.6 Planning Activity to Check path request

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Request path to 4.6 Planning Activity

check offered path

Activity owned by 'RU', in package 'Main Workflows'

check offered path
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from check offered path to review with partners

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from PathDetails Message to check offered path

⇒ ControlFlow from offer path to check offered path

planning the ressources

Activity owned by 'RU', in package 'Main Workflows'

Loco, Driver, RCP

planning the ressources
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 15.03.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from planning the ressources to planning the path needed

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from harmonize train to planning the ressources

planning the train section

Activity owned by 'RU', in package 'Main Workflows'

planning the train section
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 15.03.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from planning the train section to harmonize train

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from CaseReference to planning the train section

Request path

Activity owned by 'RU', in package 'Main Workflows'

Request path
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.03.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Information Flow from Request path to PathRequest Message

⇐ ControlFlow from Request path to 4.6 Planning Activity

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from PathRequest to Request path

request path

Activity owned by 'RU', in package 'Main Workflows'

request path
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 15.03.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇄ ControlFlow from request path to construct path</p>
<p>⇄ Information Flow from request path to PathRequest Message</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Object Flow from PathRequest to request path</p>

review with partners

Activity owned by 'RU', in package 'Main Workflows'

review with partners
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇄ ControlFlow from review with partners to send answer</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from check offered path to review with partners</p>


send answer

Activity owned by 'RU', in package 'Main Workflows'

send answer
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 19.06.2013


OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇄ Information Flow from send answer to Path Confirmed Message</p>

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from send answer to book path

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from review with partners to send answer

ActivityInitial









ActivityInitial owned by 'RU', in package 'Main Workflows'

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from ActivityInitial to init train ressource planning

IM coordination

InterruptibleActivityRegion owned by 'Path Management', in package 'Main Workflows'

IM coordination
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012

ELEMENTS OWNED BY IM coordination
 Check path request : Activity
 construct path : Activity
 harmonize path : Activity
 offer path : Activity
 EXIT: Answer not possible : FlowFinal
 Further with booking procedure... : ActivityFinal
 Path request came : ActivityInitial
 Pre-Constructed product needed : ActivityInitial

Check path request*Activity owned by 'IM coordination', in package 'Main Workflows'*

Check path request
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from Check path request to check capacity</p>
<p>⇐ ControlFlow from Check path request to EXIT: Answer not possible Guard: request not valid</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from 4.6 Planning Activity to Check path request</p>
<p>⇒ ControlFlow from Path request came to Check path request</p>
<p>⇒ Information Flow from PathRequest Message to Check path request</p>

construct path*Activity owned by 'IM coordination', in package 'Main Workflows'*

construct path
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ Object Flow from construct path to Path (Plan)</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from request path to construct path</p>
<p>⇒ ControlFlow from Pre-Constructed product needed to construct path</p>
<p>⇒ ControlFlow from check capacity to construct path Guard: capacity available</p>

harmonize path

Activity owned by 'IM coordination', in package 'Main Workflows'

harmonize path
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from harmonize path to offer path

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from Path (Plan) to harmonize path

offer path

Activity owned by 'IM coordination', in package 'Main Workflows'

offer path
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Information Flow from offer path to PathDetails Message

⇐ ControlFlow from offer path to check offered path

⇐ ControlFlow from offer path to Further with booking procedure...

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from harmonize path to offer path

EXIT: Answer not possible

FlowFinal owned by 'IM coordination', in package 'Main Workflows'

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from check capacity to EXIT: Answer not possible
Guard: capacity not available

INCOMING BEHAVIORAL RELATIONSHIPS

- ControlFlow from Check path request to EXIT: Answer not possible
Guard: request not valid

Further with booking procedure...

ActivityFinal owned by 'IM coordination', in package 'Main Workflows'

INCOMING BEHAVIORAL RELATIONSHIPS

- ControlFlow from offer path to Further with booking procedure...

Path request came

ActivityInitial owned by 'IM coordination', in package 'Main Workflows'

OUTGOING BEHAVIORAL RELATIONSHIPS

- ControlFlow from Path request came to Check path request

Pre-Constructed product needed

ActivityInitial owned by 'IM coordination', in package 'Main Workflows'

OUTGOING BEHAVIORAL RELATIONSHIPS

- ControlFlow from Pre-Constructed product needed to construct path

FlowFinal

FlowFinal owned by 'Path Management', in package 'Main Workflows'

INCOMING BEHAVIORAL RELATIONSHIPS



- ControlFlow from book path to FlowFinal



RU-RU coordination

UseCase «business use case» owned by 'Overview of European Rail Business', in package 'Main Workflows'

RU-RU coordination
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 19.06.2013

ELEMENTS OWNED BY RU-RU coordination
<p> RU coordination : Activity «business use case»</p>

EXTERNAL REQUIREMENTS
<p> Requirement. Business communication</p> <p style="text-align: right;">[Stereotype is «Functional»]</p>
<p> Requirement. Referncing the business cases in object model (ex. "translation layer" issue)</p> <p style="text-align: right;">[Stereotype is «Functional»]</p>

OUTGOING STRUCTURAL RELATIONSHIPS
<p> Realization from «business use case» RU-RU coordination to «Functional» Business communication</p> <p style="text-align: right;">[Direction is 'Source -> Destination'.]</p>
<p> Realization from «business use case» RU-RU coordination to «Functional» Referncing the business cases in object model (ex. "translation layer" issue)</p> <p style="text-align: right;">[Direction is 'Source -> Destination'.]</p>









CONNECTORS
<p> UseCaseLink Source -> Destination</p> <p>From: RU : Actor, Public</p> <p>To: RU-RU coordination : UseCase, Public</p>

RU coordination

Activity owned by 'RU-RU coordination', in package 'Main Workflows'

RU coordination
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012





ELEMENTS OWNED BY RU coordination
<p> identifies the affected objects : Action</p>
<p> analyze the situation : Activity</p>
<p> BusinessCase : Activity</p>

ELEMENTS OWNED BY RU coordination
 find solution : Activity
 identifies the affected objects : Activity
 need for coordination : Activity
 Train : Activity
 train adaption : Activity
 solution? : DecisionNode
 FlowFinal : FlowFinal
 ActivityInitial : ActivityInitial

identifies the affected objects

Action owned by 'RU coordination', in package 'Main Workflows'

identifies the affected objects
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS
Name: identify  Object Flow from identifies the affected objects to Business Case
 ControlFlow from identifies the affected objects to find solution
Name: identify  Object Flow from identifies the affected objects to Train (Plan)
INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from analyze the situation to identifies the affected objects

analyze the situation

Activity owned by 'RU coordination', in package 'Main Workflows'

what is affected?
 what causes the problems?

analyze the situation
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from analyze the situation to identifies the affected objects</p>
<p>⇐ ControlFlow from analyze the situation to identifies the affected objects</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from need for coordination to analyze the situation</p>

BusinessCase

Activity owned by 'RU coordination', in package 'Main Workflows'

BusinessCase
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Object Flow from Business Case to BusinessCase</p>

find solution

Activity owned by 'RU coordination', in package 'Main Workflows'

find solution
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from find solution to solution?</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from identifies the affected objects to find solution</p>

identifies the affected objects

Activity owned by 'RU coordination', in package 'Main Workflows'

identifies the affected objects
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 08.11.2012

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from analyze the situation to identifies the affected objects</p>

need for coordination

Activity owned by 'RU coordination', in package 'Main Workflows'

- optimization of own resources
- operational issues
- customer needs
- load exceeds reg. cap.
- timing
-

need for coordination
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from need for coordination to analyze the situation</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from ActivityInitial to need for coordination</p>

Train

Activity owned by 'RU coordination', in package 'Main Workflows'

Train
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Object Flow from Train (Plan) to Train</p>

train adaption*Activity owned by 'RU coordination', in package 'Main Workflows'*

train adaption

Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 08.11.2012. Last modified 08.11.2012

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from train adaption to Path Management</p>
<p>⇐ ControlFlow from train adaption to FlowFinal</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from solution? to train adaption Guard: train</p>

solution?*DecisionNode owned by 'RU coordination', in package 'Main Workflows'*

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from solution? to FlowFinal Guard: nothing</p>
<p>⇐ ControlFlow from solution? to train adaption Guard: train</p>
<p>⇐ ControlFlow from solution? to Path Management Guard: path</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from find solution to solution?</p>

FlowFinal*FlowFinal owned by 'RU coordination', in package 'Main Workflows'*

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Path Management to FlowFinal</p>

Use Case diagram in package 'Target Audience'

Handbook-Replanning

Version 1.0

seid.maglajlic created on 18.03.2013. Last modified 14.06.2013

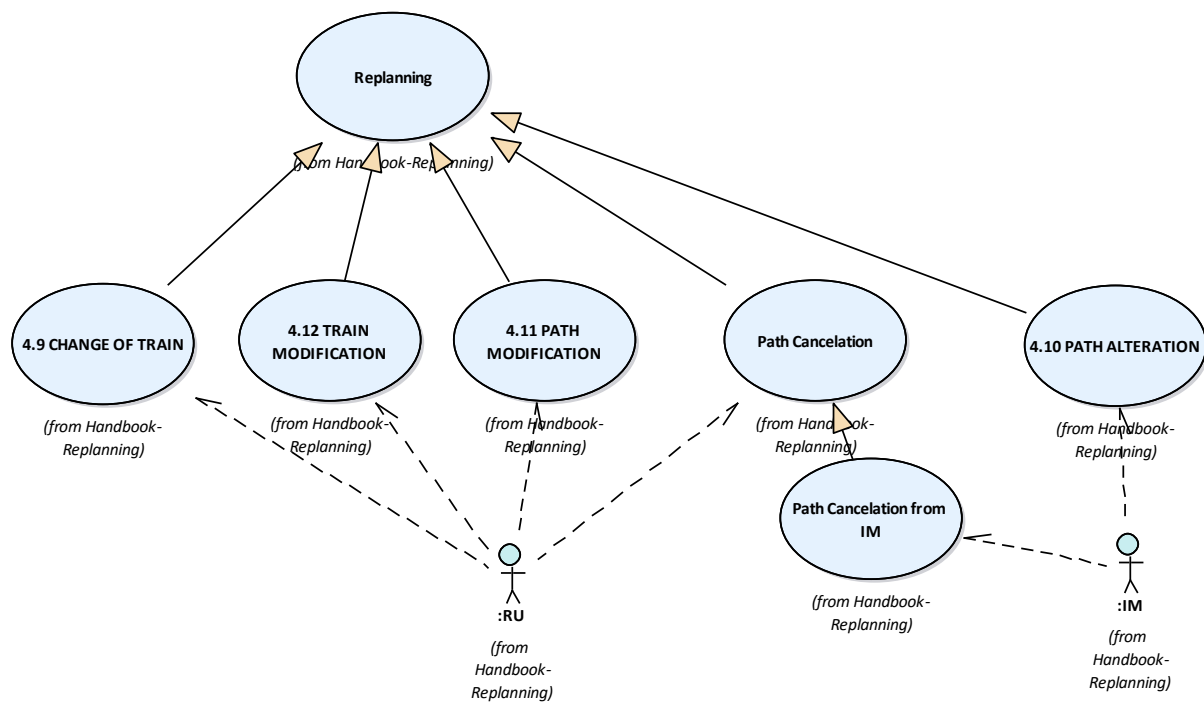


Figure 22: Handbook-Replanning

4.9 CHANGE OF TRAIN

UseCase in package 'Handbook-Replanning'

4.9 CHANGE OF TRAIN

Version 1.0 Phase 1.0 Proposed







seid.maglajlic created on 18.03.2013. Last modified 18.08.2014

ELEMENTS OWNED BY 4.9 CHANGE OF TRAIN	
	COT-Activity : Activity
OUTGOING STRUCTURAL RELATIONSHIPS	
	Generalization from 4.9 CHANGE OF TRAIN to Replanning
	[Direction is 'Source -> Destination'.]
CONNECTORS	
	Dependency Source -> Destination
From:	Object : Object, Public
To:	4.9 CHANGE OF TRAIN : UseCase, Public

COT-Activity

Activity owned by '4.9 CHANGE OF TRAIN', in package 'Handbook-Replanning'

COT-Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 07.04.2013

ELEMENTS OWNED BY COT-Activity
 BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
 c04-SendMessage-RU-IM -TR_m-PA_m-OTN_o : Activity
 c05-SendMessage-IM-RU -TR_m-PA_m-OTN_o : Activity
 c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity
 CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
 LINK TO BE CHECKED : Activity

BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'COT-Activity', in package 'Handbook-Replanning'

BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH
Version 1.0 Phase 1.0 Proposed
Hantak created on 19.06.2013. Last modified 02.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from UpdateLink Message to BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH

c04-SendMessage-RU-IM -TR_m-PA_m-OTN_o

Activity owned by 'COT-Activity', in package 'Handbook-Replanning'

c04-SendMessage-RU-IM -TR_m-PA_m-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 09.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c04-SendMessage-RU-IM -TR_m-PA_m-OTN_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from UpdateLink Message to c04-SendMessage-RU-IM -TR_m-PA_m-OTN_o

c05-SendMessage-IM-RU -TR_m-PA_m-OTN_o

Activity owned by 'COT-Activity', in package 'Handbook-Replanning'

c05-SendMessage-IM-RU -TR_m-PA_m-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 21.05.2013


OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c05-SendMessage-IM-RU -TR_m-PA_m-OTN_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from UpdateLink Message to c05-SendMessage-IM-RU -TR_m-PA_m-OTN_o

CONNECTORS

 **Dependency** Source -> Destination
From: UpdateLink Message : Trigger, Public
To: c05-SendMessage-IM-RU -TR_m-PA_m-OTN_o : Activity, Public

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

Activity owned by 'COT-Activity', in package 'Handbook-Replanning'

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Error Message to c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH*Activity owned by 'COT-Activity', in package 'Handbook-Replanning'*

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Version 1.0 Phase 1.0 Proposed


Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions
INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from UpdateLink Message to CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH
LINK TO BE CHECKED*Activity owned by 'COT-Activity', in package 'Handbook-Replanning'*

LINK TO BE CHECKED

Version 1.0 Phase 1.0 Proposed


Hantak created on 19.06.2013. Last modified 19.06.2013


OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from LINK TO BE CHECKED to synchronize actions
INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from Error Message to LINK TO BE CHECKED
4.10 PATH ALTERATION*UseCase in package 'Handbook-Replanning'*


4.10 PATH ALTERATION

Version 1.0 Phase 1.0 Proposed

seid.maglajlic created on 18.03.2013. Last modified 07.04.2013

ELEMENTS OWNED BY 4.10 PATH ALTERATION
 PA- Activity : Activity





OUTGOING STRUCTURAL RELATIONSHIPS	
 Generalization from 4.10 PATH ALTERATION to Replanning	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Object : Object, Public To: 4.10 PATH ALTERATION : UseCase, Public	

PA- Activity

Activity owned by '4.10 PATH ALTERATION', in package 'Handbook-Replanning'

PA- Activity
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 07.04.2013

ELEMENTS OWNED BY PA- Activity
 c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o : Activity
 LINK NOT CONFIRMED : Activity
 IM : ActivityPartition

ELEMENTS OWNED BY PA- Activity
RU : ActivityPartition
RU : Event

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o

Activity owned by 'PA- Activity', in package 'Handbook-Replanning'

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 27.05.2013. Last modified 27.05.2013

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

Activity owned by 'PA- Activity', in package 'Handbook-Replanning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 29.05.2013. Last modified 09.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
Information Flow from c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS
Information Flow from PathDetails Message to c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PA- Activity', in package 'Handbook-Replanning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 27.05.2013. Last modified 27.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
Information Flow from c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS
Information Flow from PathDetails Message to c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PA- Activity', in package 'Handbook-Replanning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.09.2013. Last modified 09.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Information Flow from c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from PathNotAvailable Message to c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PA- Activity', in package 'Handbook-Replanning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 29.05.2013. Last modified 09.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Information Flow from c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Path Confirmed Message to c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PA- Activity', in package 'Handbook-Replanning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 29.05.2013. Last modified 09.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Information Flow from c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Information Flow from Path Details Refused Message to c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PA- Activity', in package 'Handbook-Replanning'

c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 27.05.2013. Last modified 27.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇨ Information Flow from c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Information Flow from Path Confirmed Message to c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PA- Activity', in package 'Handbook-Replanning'

c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 27.05.2013. Last modified 27.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇨ Information Flow from c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Information Flow from Path Details Refused Message to c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o

LINK NOT CONFIRMED

Activity owned by 'PA- Activity', in package 'Handbook-Replanning'

LINK NOT CONFIRMED
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from LINK NOT CONFIRMED to synchronize actions</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from Path Details Refused Message to LINK NOT CONFIRMED</p>

IM

ActivityPartition owned by 'PA- Activity', in package 'Handbook-Replanning'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 18.03.2013

ELEMENTS OWNED BY IM
<p>☰ Allocate path : Activity</p>
<p>☰ Provide alternative path : Activity</p>



Allocate path

Activity owned by 'IM', in package 'Handbook-Replanning'

Allocate path
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 09.04.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from Allocate path to Acknowledged</p>
<p>⇐ ControlFlow from Allocate path to Acknowledged</p>
<p>Name: [after switch from pl. to op.]</p> <p>⇐ Information Flow from Allocate path to Path (OP)</p>
<p>⇐ Information Flow from Allocate path to Path</p>




INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from CONFIRMATION OF LINK to Allocate path</p>


INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from synchronize actions to Allocate path
 ControlFlow from CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH to Allocate path


Provide alternative path

Activity owned by 'IM', in package 'Handbook-Replanning'

Provide alternative path
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 18.03.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Object Flow from Provide alternative path to Path (OP) Guard: after switch from planning to operation
 Information Flow from Provide alternative path to Path
 ControlFlow from Provide alternative path to Path processing started


INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Link processing started to Provide alternative path

CONNECTORS
 Dependency Source -> Destination From: Provide alternative path : Activity, Public To: PathDetails Message : Trigger, Public


RU

ActivityPartition owned by 'PA- Activity', in package 'Handbook-Replanning'

RU
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 18.03.2013

ELEMENTS OWNED BY RU
 Event1 : Event

ELEMENTS OWNED BY RU

 Offer accepted : State

Event1

Event owned by 'RU', in package 'Handbook-Replanning'


Event1
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 18.03.2013

Offer accepted

State owned by 'RU', in package 'Handbook-Replanning'

Offer accepted
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 18.03.2013

CONNECTORS

 **Dependency** Source -> Destination
From: Check alternative path offer : Activity, Public
To: Offer accepted : State, Public

RU

Event owned by 'PA- Activity', in package 'Handbook-Replanning'


RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 21.05.2013


4.11 PATH MODIFICATION


UseCase in package 'Handbook-Replanning'

4.11 PATH MODIFICATION
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 07.04.2013

ELEMENTS OWNED BY 4.11 PATH MODIFICATION

 PM-Activity : Activity











OUTGOING STRUCTURAL RELATIONSHIPS	
 Generalization from 4.11 PATH MODIFICATION to Replanning	[Direction is 'Source -> Destination'.]





CONNECTORS	
 Dependency Source -> Destination From: Object : Object, Public To: 4.11 PATH MODIFICATION : UseCase, Public	

PM-Activity

Activity owned by '4.11 PATH MODIFICATION', in package 'Handbook-Replanning'

PM-Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 07.04.2013


ELEMENTS OWNED BY PM-Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o : Activity
 c06-SendMessage- RU-IM -TR_m-CR_m-PR_m- PA_m(old)-OTN_o-RelID_o : Activity
 ActivityFinal : ActivityFinal
 REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
 PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
 CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
 LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
 c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o : Activity

ELEMENTS OWNED BY PM-Activity
 c03-SendMessage- RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
 End of Path Request - NO PATH BOOKED : ActivityFinal

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

Activity owned by 'PM-Activity', in package 'Handbook-Replanning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.09.2013. Last modified 09.09.2013


OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from PathDetails Message to c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

c06-SendMessage- RU-IM -TR_m-CR_m-PR_m- PA_m(old)-OTN_o-RelID_o

Activity owned by 'PM-Activity', in package 'Handbook-Replanning'

c06-SendMessage- RU-IM -TR_m-CR_m-PR_m- PA_m(old)-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 28.06.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from c06-SendMessage- RU-IM -TR_m-CR_m-PR_m- PA_m(old)-OTN_o-RelID_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from PathRequest Message to c06-SendMessage- RU-IM -TR_m-CR_m-PR_m- PA_m(old)-OTN_o-RelID_o

ActivityFinal

ActivityFinal owned by 'PM-Activity', in package 'Handbook-Replanning'

REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'PM-Activity', in package 'Handbook-Replanning'

REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Version 1.0 Phase 1.0 Proposed

Hantak created on 30.05.2013. Last modified 08.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from PathRequest Message to REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'PM-Activity', in package 'Handbook-Replanning'

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Version 1.0 Phase 1.0 Proposed

Hantak created on 30.05.2013. Last modified 08.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from PathDetails Message to PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'PM-Activity', in package 'Handbook-Replanning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Version 1.0 Phase 1.0 Proposed

Hantak created on 02.06.2013. Last modified 08.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Information Flow from PathConfirmed Message to CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'PM-Activity', in package 'Handbook-Replanning'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0 Phase 1.0 Proposed

Hantak created on 04.06.2013. Last modified 08.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇨ ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Information Flow from PathDetails Message Status booked to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o

Activity owned by 'PM-Activity', in package 'Handbook-Replanning'

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o

Version 1.0 Phase 1.0 Proposed

Hantak created on 21.05.2013. Last modified 08.06.2013

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

Activity owned by 'PM-Activity', in package 'Handbook-Replanning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

Version 1.0 Phase 1.0 Proposed

Hantak created on 31.05.2013. Last modified 09.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇨ ControlFlow from c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Information Flow from PathDetails Message Status booked to c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o

Activity owned by 'PM-Activity', in package 'Handbook-Replanning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 21.05.2013. Last modified 08.06.2013

c03-SendMessage- RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PM-Activity', in package 'Handbook-Replanning'

c03-SendMessage- RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from c03-SendMessage- RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to IM</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from PathConfirmed Message to c03-SendMessage- RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o</p>

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PM-Activity', in package 'Handbook-Replanning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 08.06.2013

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PM-Activity', in package 'Handbook-Replanning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 08.06.2013

End of Path Request - NO PATH BOOKED

ActivityFinal owned by 'PM-Activity', in package 'Handbook-Replanning'


4.12 TRAIN MODIFICATION


UseCase in package 'Handbook-Replanning'

4.12 TRAIN MODIFICATION
 Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 18.03.2013. Last modified 07.04.2013

ELEMENTS OWNED BY 4.12 TRAIN MODIFICATION
 TM-Activity : Activity

OUTGOING STRUCTURAL RELATIONSHIPS
 Generalization from 4.12 TRAIN MODIFICATION to Replanning [Direction is 'Source -> Destination'.]

CONNECTORS
 Dependency Source -> Destination From: Object : Object, Public To: 4.12 TRAIN MODIFICATION : UseCase, Public

TM-Activity

Activity owned by '4.12 TRAIN MODIFICATION', in package 'Handbook-Replanning'

TM-Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 07.04.2013

ELEMENTS OWNED BY TM-Activity
 Train (Plan) : Object

Train (Plan)

Object owned by 'TM-Activity', in package 'Handbook-Replanning'

Train (Plan)
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 10.06.2013. Last modified 10.06.2013

ATTRIBUTES
 Calendar : PlannedCalendar Private [Is static True. Containment is Not Specified.]
 JourneyLocations : PlannedJourneyLocation Private [Is static True. Containment is Not Specified.]
 ReferenceLocation : LocationIdent Private [Is static True. Containment is Not Specified.]


ATTRIBUTES	
 TrainID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]

Path Cancelation

UseCase in package 'Handbook-Replanning'

Path Cancelation
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 18.03.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Generalization from Path Cancelation to Replanning	[Direction is 'Source -> Destination'.]


INCOMING STRUCTURAL RELATIONSHIPS	
 Generalization from Path Cancelation from IM to Path Cancelation	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Object : Object, Public To: Path Cancelation : UseCase, Public	


Path Cancelation from IM

UseCase in package 'Handbook-Replanning'

Path Cancelation from IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 18.03.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Generalization from Path Cancelation from IM to Path Cancelation	[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
 From: Object : Object, Public
 To: Path Cancelation from IM : UseCase, Public

Replanning

UseCase in package 'Handbook-Replanning'

Replanning
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 18.03.2013

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from 4.12 TRAIN MODIFICATION to Replanning
[Direction is 'Source -> Destination'.]

⇒ Generalization from Path Cancelation to Replanning
[Direction is 'Source -> Destination'.]

⇒ Generalization from 4.11 PATH MODIFICATION to Replanning
[Direction is 'Source -> Destination'.]

⇒ Generalization from 4.10 PATH ALTERATION to Replanning
[Direction is 'Source -> Destination'.]


⇒ Generalization from 4.9 CHANGE OF TRAIN to Replanning
[Direction is 'Source -> Destination'.]

Object


Object «business actor» in package 'Handbook-Replanning'

Object
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 18.03.2013

CONNECTORS

 **Dependency** Source -> Destination
 From: Object : Object, Public
 To: Path Cancelation from IM : UseCase, Public

CONNECTORS


 **Dependency** Source -> Destination
 From: Object : Object, Public
 To: 4.10 PATH ALTERATION : UseCase, Public


Object


Object «business actor» in package 'Handbook-Replanning'


Object
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 18.03.2013

CONNECTORS

 **Dependency** Source -> Destination
 From: Object : Object, Public
 To: 4.12 TRAIN MODIFICATION : UseCase, Public

 **Dependency** Source -> Destination
 From: Object : Object, Public
 To: 4.11 PATH MODIFICATION : UseCase, Public

 **Dependency** Source -> Destination
 From: Object : Object, Public
 To: Path Cancelation : UseCase, Public

 **Dependency** Source -> Destination
 From: Object : Object, Public
 To: 4.9 CHANGE OF TRAIN : UseCase, Public



Activity Diagrams

InformationItem in package 'Target Audience'

Activity Diagrams
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 14.06.2013. Last modified 14.06.2013

ASSOCIATIONS

 Association (direction: Unspecified)
 Source: Public (Actor) Software architects and designers Target: Public (InformationItem) Activity Diagrams

ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Actor) Business analysts</p>	<p>Target: Public (InformationItem) Activity Diagrams</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Actor) Management</p>	<p>Target: Public (InformationItem) Activity Diagrams</p>

Business Object Model

UMLDiagram in package 'Target Audience'

Business Object Model
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 14.06.2013. Last modified 14.06.2013
Extends

Business Object Topology

UMLDiagram in package 'Target Audience'

Business Object Topology
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 14.06.2013. Last modified 14.06.2013
Extends

Business Object Topology

UMLDiagram in package 'Target Audience'

Business Object Topology
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 14.06.2013. Last modified 14.06.2013
Extends

Content Overview

InformationItem in package 'Target Audience'

Content Overview
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 14.06.2013. Last modified 14.06.2013

Handbook-Operation

UMLDiagram in package 'Target Audience'

Handbook-Operation
Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 19.06.2013. Last modified 19.06.2013
 Extends

Involved Objects

UMLDiagram in package 'Target Audience'

Involved Objects
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 14.06.2013. Last modified 14.06.2013
 Extends

Legend



Text in package 'Target Audience'

Legend
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 14.06.2013. Last modified 14.06.2013
 Extends

Messages

InformationItem in package 'Target Audience'

Messages
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 14.06.2013. Last modified 14.06.2013

ASSOCIATIONS	
 Association (direction: Unspecified) Source: Public (Actor) Business analysts	Target: Public (InformationItem) Messages
 Association (direction: Unspecified) Source: Public (Actor) Software architects and designers	Target: Public (InformationItem) Messages

Object Lifecycles

InformationItem in package 'Target Audience'

Object Lifecycles
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 14.06.2013. Last modified 14.06.2013

Object Model

InformationItem in package 'Target Audience'

Object Model
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 14.06.2013. Last modified 14.06.2013

Business Use Cases

Package in package 'Business Process Model'

Business Use Cases
 Version 1.0 Phase 1.0 Proposed
 created on 05.01.2006. Last modified 14.03.2013

Frameworks

Package in package 'Business Use Cases'

Frameworks
 Version 1.0 Phase 1.0 Proposed
 seidmaglajlic created on 06.03.2015. Last modified 06.03.2015

Case Reference Framework

Package in package 'Frameworks'

Case Reference Framework
 Version 1.0 Phase 1.0 Proposed
 seidmaglajlic created on 09.03.2015. Last modified 09.03.2015

Case Reference Framework diagram

Interaction diagram in package 'Case Reference Framework'

Case Reference Framework
 Version 1.0
 seidmaglajlic created on 09.03.2015. Last modified 09.03.2015

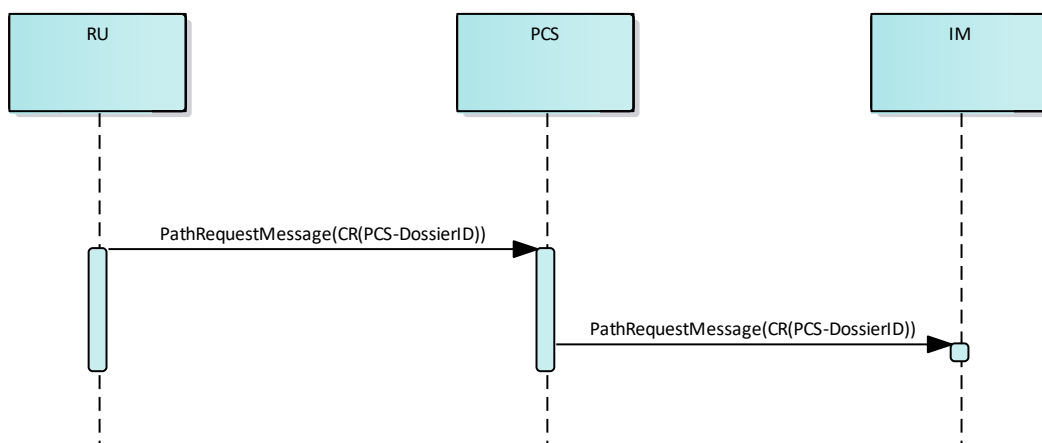


Figure 23: Case Reference Framework

INTERACTION MESSAGES
<p>✉ 1.0 'PathRequestMessage' from 'RU' sent to 'PCS'.</p> <p>Synchronous Call. Returns void.</p> <p>[Return is False. Iteration is False. New group is False.]</p>

✉ 1.1 'PathRequestMessage' from 'PCS' sent to 'IM'.

Synchronous Call. Returns void.

[Return is False. Iteration is False. New group is False.]

IM-Offer diagram

Interaction diagram in package 'Case Reference Framework'

IM-Offer
Version 1.0
seidmaglajlic created on 09.03.2015. Last modified 09.03.2015

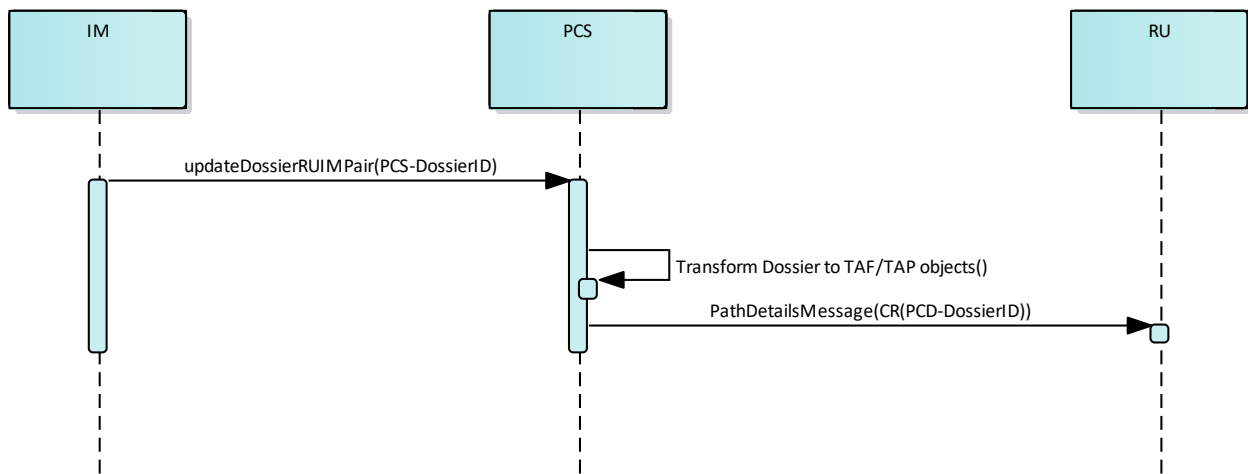


Figure 24: IM-Offer

INTERACTION MESSAGES

✉ 1.0 'updateDossierRUIMPair' from 'IM' sent to 'PCS'.

Synchronous Call. Returns void.

[Return is False. Iteration is False. New group is False.]

✉ 1.1 'Transform Dossier to TAF/TAP objects' from 'PCS' sent to 'PCS'.

Synchronous Call. Returns void.

[Return is False. Iteration is False. New group is False.]

✉ 1.2 'PathDetailsMessage' from 'PCS' sent to 'RU'.

Synchronous Call. Returns void.

[Return is False. Iteration is False. New group is False.]

Sequence in package 'Case Reference Framework'

IM

Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 09.03.2015. Last modified 09.03.2015**INCOMING BEHAVIORAL RELATIONSHIPS**

Name: PathRequestMessage

→ Sequence from PCS to IM

IM*Sequence in package 'Case Reference Framework'*

IM

Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 09.03.2015. Last modified 09.03.2015**SCENARIOS**

Alternate. IM

OUTGOING BEHAVIORAL RELATIONSHIPS

Name: updateDossierRUIMPair

← Sequence from IM to PCS

Object1*Sequence in package 'Case Reference Framework'*

Object1

Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 09.03.2015. Last modified 09.03.2015**PCS***Sequence in package 'Case Reference Framework'*

PCS

Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 09.03.2015. Last modified 09.03.2015**OUTGOING BEHAVIORAL RELATIONSHIPS**

Name: PathRequestMessage

← Sequence from PCS to IM

INCOMING BEHAVIORAL RELATIONSHIPS

Name: PathRequestMessage

↔ Sequence from RU to PCS

PCS

Sequence in package 'Case Reference Framework'

PCS
Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 09.03.2015. Last modified 09.03.2015

OUTGOING BEHAVIORAL RELATIONSHIPS

Name: Transform Dossier to TAF/TAP objects

↔ Sequence from PCS to PCS

Name: PathDetailsMessage

↔ Sequence from PCS to RU

INCOMING BEHAVIORAL RELATIONSHIPS

Name: Transform Dossier to TAF/TAP objects

↔ Sequence from PCS to PCS

Name: updateDossierRUIMPair

↔ Sequence from IM to PCS

RU

Sequence in package 'Case Reference Framework'

RU
Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 09.03.2015. Last modified 09.03.2015

SCENARIOS

📄 Alternate. RU

OUTGOING BEHAVIORAL RELATIONSHIPS

Name: PathRequestMessage

↔ Sequence from RU to PCS

RU

Sequence in package 'Case Reference Framework'

RU

Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 09.03.2015. Last modified 09.03.2015

INCOMING BEHAVIORAL RELATIONSHIPS

Name: PathDetailsMessage

↳ Sequence from PCS to RU

ObjectInfo-Framework

Package in package 'Frameworks'

ObjectInfo-Framework
Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 06.03.2015. Last modified 06.03.2015

ObjectInfo-Framework-I diagram

Interaction diagram in package 'ObjectInfo-Framework'

ObjectInfo-Framework-I
Version 1.0
seidmaglajlic created on 06.03.2015. Last modified 06.03.2015

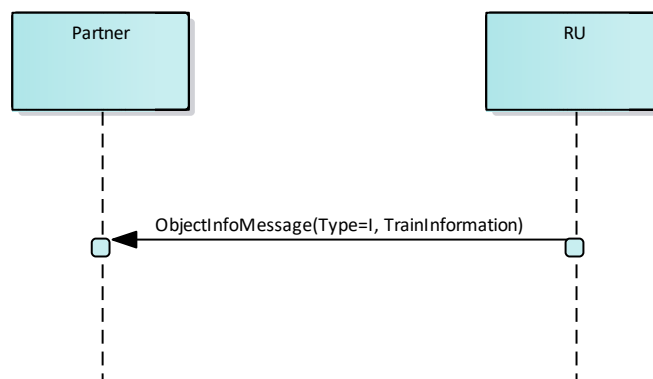


Figure 25: ObjectInfo-Framework-I

INTERACTION MESSAGES

✉ 1.0 'ObjectInfoMessage' from 'RU' sent to 'Partner'.

Synchronous Call. Returns void.

[Return is False. Iteration is False. New group is False.]

ObjectInfo-Framework-R diagram

Interaction diagram in package 'ObjectInfo-Framework'

ObjectInfo-Framework-R
Version 1.0
seidmaglajlic created on 06.03.2015. Last modified 06.03.2015

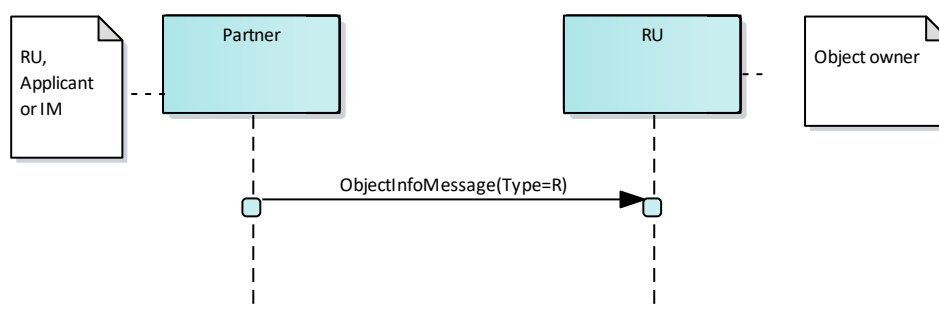


Figure 26: ObjectInfo-Framework-R

Note

Note in package 'ObjectInfo-Framework'

RU,
Applicant
or IM

Note
Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 06.03.2015. Last modified 06.03.2015
Extends

Note

Note in package 'ObjectInfo-Framework'

Object owner

Note
Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 06.03.2015. Last modified 06.03.2015
Extends

INTERACTION MESSAGES
<p>✉ 1.0 'ObjectInfoMessage' from 'Partner' sent to 'RU '.</p> <p>Synchronous Call. Returns void.</p> <p style="text-align: right;">[Return is False. Iteration is False. New group is False.]</p>

ObjectInfo-Framework-U diagram

Interaction diagram in package 'ObjectInfo-Framework'

ObjectInfo-Framework-U
Version 1.0
seidmaglajlic created on 06.03.2015. Last modified 06.03.2015

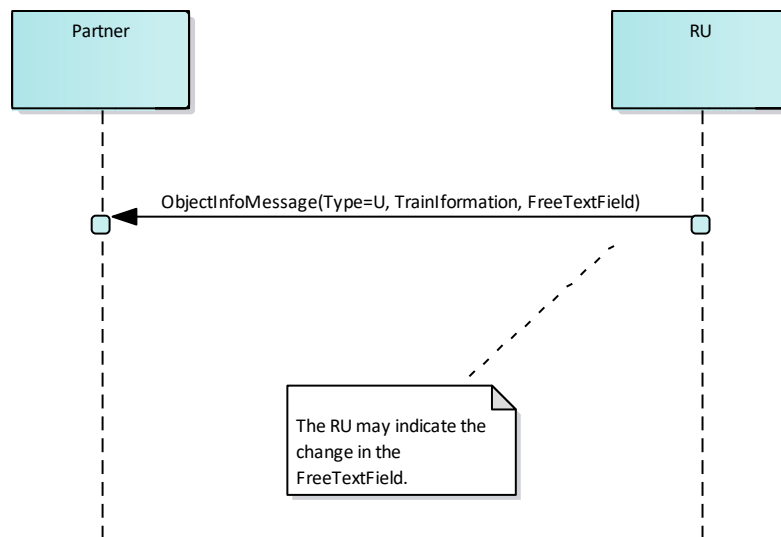


Figure 27: ObjectInfo-Framework-U

Note

Note in package 'ObjectInfo-Framework'

The RU may indicate the change in the FreeTextField.

Note
 Version 1.0 Phase 1.0 Proposed
 seidmaglajlic created on 06.03.2015. Last modified 06.03.2015
 Extends

INTERACTION MESSAGES
<p>✉ 1.0 'ObjectInfoMessage' from 'RU' sent to 'Partner'.</p> <p>Synchronous Call. Returns void.</p> <p style="text-align: right;">[Return is False. Iteration is False. New group is False.]</p>

Partner

Sequence in package 'ObjectInfo-Framework'

Partner
 Version 1.0 Phase 1.0 Proposed
 seidmaglajlic created on 06.03.2015. Last modified 06.03.2015

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>Name: ObjectInfoMessage</p> <p>➡ Sequence from Partner to RU</p>

Partner

Sequence in package 'ObjectInfo-Framework'

Partner
Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 06.03.2015. Last modified 06.03.2015

INCOMING BEHAVIORAL RELATIONSHIPS

Name: ObjectInfoMessage

➡ Sequence from RU to Partner

Partner*Sequence in package 'ObjectInfo-Framework'*

Partner
Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 06.03.2015. Last modified 06.03.2015

INCOMING BEHAVIORAL RELATIONSHIPS

Name: ObjectInfoMessage

➡ Sequence from RU to Partner

RU*Sequence in package 'ObjectInfo-Framework'*

RU
Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 06.03.2015. Last modified 06.03.2015

OUTGOING BEHAVIORAL RELATIONSHIPS

Name: ObjectInfoMessage

↩ Sequence from RU to Partner

RU*Sequence in package 'ObjectInfo-Framework'*

RU
Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 06.03.2015. Last modified 06.03.2015

OUTGOING BEHAVIORAL RELATIONSHIPS

Name: ObjectInfoMessage

↩ Sequence from RU to Partner

RU

Sequence in package 'ObjectInfo-Framework'

RU

Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 06.03.2015. Last modified 06.03.2015

INCOMING BEHAVIORAL RELATIONSHIPS

Name: ObjectInfoMessage

➡ Sequence from Partner to RU

OTN-Framework

Package in package 'Frameworks'

OTN-Framework
Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 08.03.2015. Last modified 08.03.2015

OTN-Framework diagram

Interaction diagram in package 'OTN-Framework'

OTN-Framework
Version 1.0
seidmaglajlic created on 08.03.2015. Last modified 08.03.2015

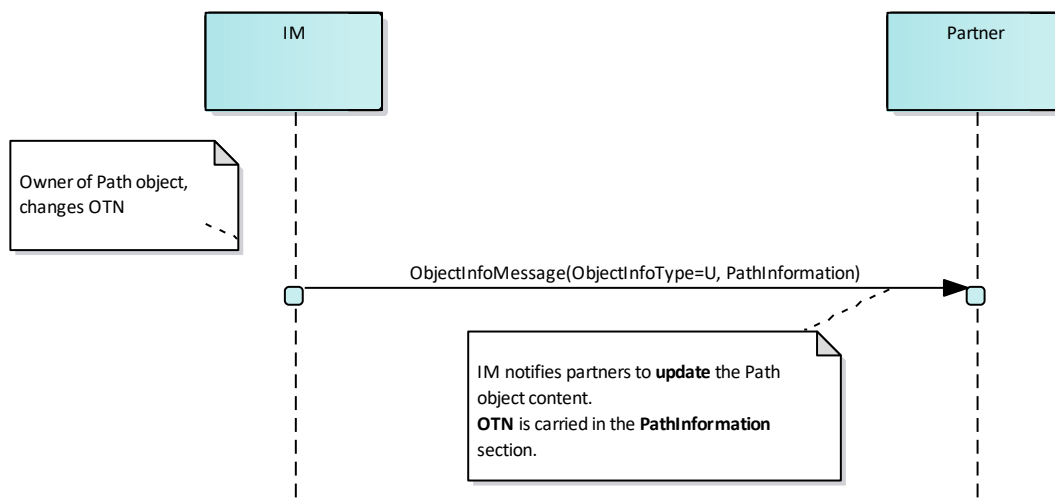


Figure 28: OTN-Framework

Note

Note in package 'OTN-Framework'

IM notifies partners to **update** the Path object content.
OTN is carried in the **PathInformation** section.

Note
Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 08.03.2015. Last modified 08.03.2015
Extends

Note

Note in package 'OTN-Framework'

Owner of Path object,
changes OTN

Note
Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 08.03.2015. Last modified 08.03.2015
Extends

INTERACTION MESSAGES

✉ 1.0 'ObjectInfoMessage' from 'IM' sent to 'Partner'.

Synchronous Call. Returns void.

[Return is False. Iteration is False. New group is False.]

IM

Sequence in package 'OTN-Framework'

IM

Version 1.0 Phase 1.0 Proposed

seidmaglajlic created on 08.03.2015. Last modified 08.03.2015

OUTGOING BEHAVIORAL RELATIONSHIPS

Name: ObjectInfoMessage

↔ Sequence from IM to Partner

Partner

Sequence in package 'OTN-Framework'

Partner

Version 1.0 Phase 1.0 Proposed

seidmaglajlic created on 08.03.2015. Last modified 08.03.2015

INCOMING BEHAVIORAL RELATIONSHIPS

Name: ObjectInfoMessage

↔ Sequence from IM to Partner

Planning

Package in package 'Business Use Cases'

Planning
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 15.03.2013. Last modified 15.03.2013

Handbook-Planning



Package in package 'Planning'

Handbook-Planning
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 18.03.2013

4.6 PLANNING

UseCase in package 'Handbook-Planning'

4.6 PLANNING
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 14.06.2013

ELEMENTS OWNED BY 4.6 PLANNING
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o : Activity
 PL-Activity : Activity

4.6 Planning Activity diagram

Activity diagram in package 'Handbook-Planning'

4.6 Planning Activity
Version 1.0
Hantak created on 02.04.2013. Last modified 03.08.2014

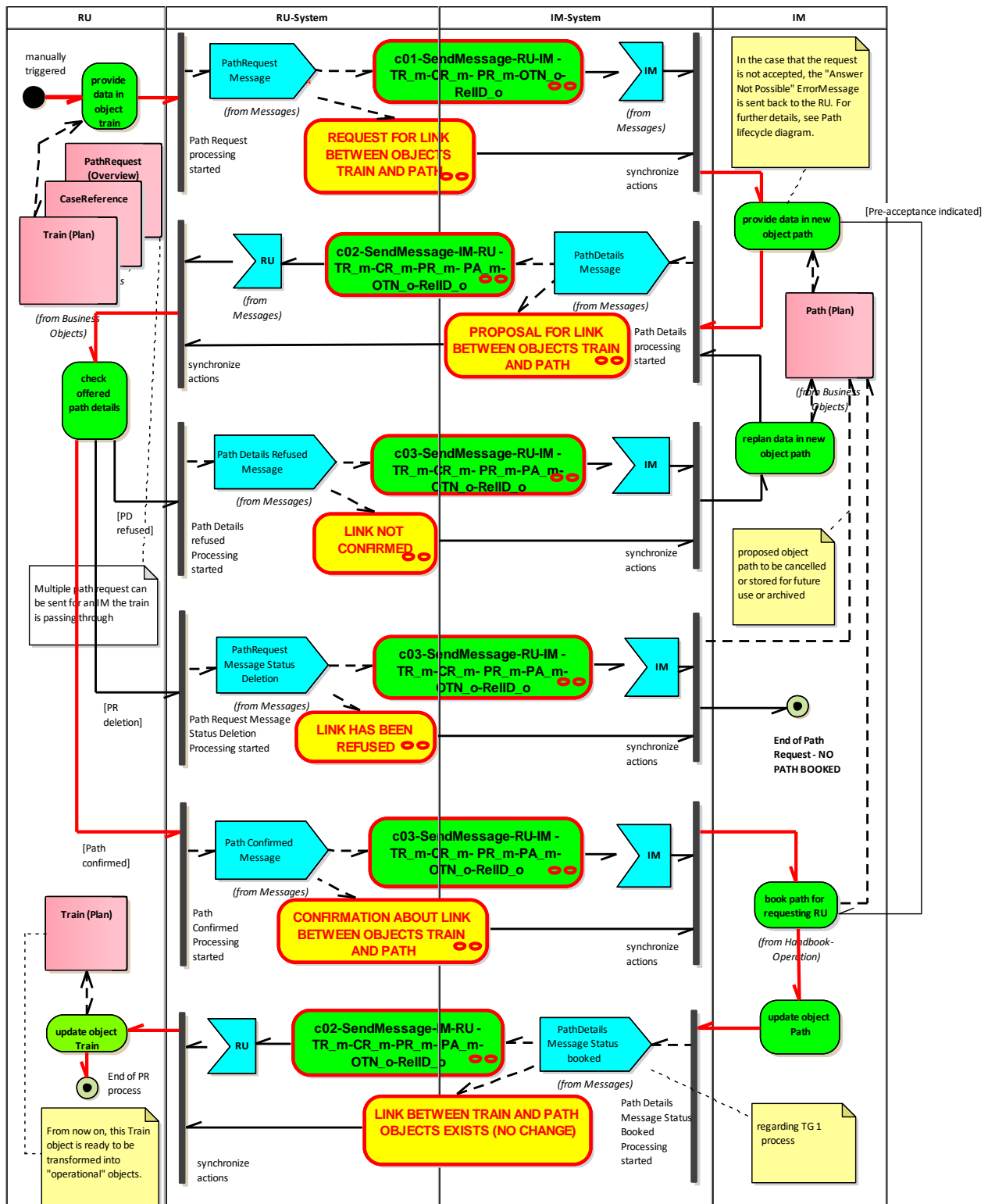


Figure 29: 4.6 Planning Activity

Note

Note in package 'Handbook-Planning'



proposed object path to be cancelled or stored for future use or archived



Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 11.06.2013
Extends

book path for requesting RU

Activity owned by 'RU', in package 'Handbook-Operation'

book path for requesting RU
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.06.2013. Last modified 02.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from book path for requesting RU to update object Path
 Information Flow from book path for requesting RU to Path (Plan)

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from synchronize actions to book path for requesting RU
 ControlFlow from provide data in new object path to book path for requesting RU Guard: Pre-acceptance indicated

IM



Event in package 'Messages'





IM
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.02.2013. Last modified 15.03.2013

RU

Event in package 'Messages'

RU
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.02.2013. Last modified 15.03.2013





CONNECTORS
 Dependency Source -> Destination From: RU : Event, Public To: synchronize actions : Synchronization, Public
 Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public





CONNECTORS
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>

Path Confirmed Message

Trigger in package 'Messages'

Path Confirmed Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 10.06.2013

CONNECTORS
<p> Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Accepted : State, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Accepted : State, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Path for the Train accepted : State, Public</p>
<p> Dependency [path offer accepted] Source -> Destination From: Check alternative path offer : Activity, Public To: Path Confirmed Message : Trigger, Public</p>





CONNECTORS	
 Dependency Source -> Destination	
From:	Path Confirmed processing started : Synchronization, Public
To:	Path Confirmed Message : Trigger, Public
 Dependency Source -> Destination	
From:	Path Confirmed Processing started : Synchronization, Public
To:	Path Confirmed Message : Trigger, Public
 Dependency Source -> Destination	
From:	Path Confirmed Processing started : Synchronization, Public
To:	Path Confirmed Message : Trigger, Public
 Dependency Source -> Destination	
From:	Planned : State, Public
To:	Path Confirmed Message : Trigger, Public











PathDetails Message



Trigger in package 'Messages'

c02 diagram contains the identifier processing of this message

PathDetails Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 05.06.2013

CONNECTORS	
 Dependency Source -> Destination	
From:	PathDetails Message : Trigger, Public
To:	Finally offered : State, Public
 Dependency PathRequestID Source -> Destination	
From:	PathDetails Message : Trigger, Public
To:	RU : Event, Public
 Dependency TrainID Source -> Destination	
From:	PathDetails Message : Trigger, Public
To:	RU : Event, Public
 Dependency Source -> Destination	
From:	PathDetails Message : Trigger, Public
To:	Offered : State, Public






CONNECTORS
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Adapted : State, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Drafted : State, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: SendMessageIM-RU-TR-PA-RelID : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Path for the Train offered : State, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Source -> Destination From: Path processing started : Synchronization, Public To: PathDetails Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Link the Train object to Path object by IM : Action, Public To: PathDetails Message : Trigger, Public</p>

CONNECTORS
<p> Dependency Source -> Destination From: Provide alternative path : Activity, Public To: PathDetails Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Details processing started : Synchronization, Public To: PathDetails Message : Trigger, Public</p>

PathDetails Message Status booked

Trigger in package 'Messages'





PathDetails Message Status booked
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.06.2013

CONNECTORS
<p> Dependency Source -> Destination From: PathDetails Message Status booked : Trigger, Public To: Planned : State, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message Status booked : Trigger, Public To: Booked : State, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message Status booked : Trigger, Public To: Train data adapted to the offered Path : State, Public</p>
<p> Dependency Source -> Destination From: Accepted : State, Public To: PathDetails Message Status booked : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Details Message Status Booked Processing started : Synchronization, Public To: PathDetails Message Status booked : Trigger, Public</p>

Path Details Refused Message

Trigger in package 'Messages'




Path Details Refused Message
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.02.2013. Last modified 10.06.2013








CONNECTORS
<p> Dependency Source -> Destination From: Path Details Refused Message : Trigger, Public To: Refused by RU : State, Public</p>
<p> Dependency Source -> Destination From: Path Details Refused Message : Trigger, Public To: Rejected by RU : State, Public</p>
<p> Dependency Source -> Destination From: Path Details Refused Message processing started : Synchronization, Public To: Path Details Refused Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Details refused Processing started : Synchronization, Public To: Path Details Refused Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Details refused Processing started : Synchronization, Public To: Path Details Refused Message : Trigger, Public</p>

PathRequest Message

Trigger in package 'Messages'

PathRequest Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 21.05.2013


CONNECTORS
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: Issued (requested) : State, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: In planning by IM : State, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: In planning by IM : State, Public</p>


CONNECTORS
<p> Dependency Train ID: Mandatory Source -> Destination From: PathRequest Message : Trigger, Public To: IM : Event, Public</p>
<p> Dependency PathRequest ID: Mandatory Source -> Destination From: PathRequest Message : Trigger, Public To: IM : Event, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: Start : Initial State, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o : Activity, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity, Public</p>
<p> Dependency Source -> Destination From: Path Request processing started : Synchronization, Public To: PathRequest Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Link the Train object to Path Request object : Action, Public To: PathRequest Message : Trigger, Public</p>

PathRequest Message Status Deletion

Trigger in package 'Messages'

PathRequest Message Status Deletion
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.06.2013

CONNECTORS
<p> Dependency Source -> Destination From: PathRequest Message Status Deletion : Trigger, Public To: Withdrawn : State, Public</p>

CONNECTORS	
 Dependency Source -> Destination	
From:	Path Request Message Status Deletion Processing started : Synchronization, Public
To:	PathRequest Message Status Deletion : Trigger, Public

Note

Note in package 'Business Objects'

Multiple path request can be sent for an IM the train is passing through

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 18.11.2013. Last modified 18.11.2013
Extends





CaseReference

Object in package 'Business Objects'






CaseReference
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from CaseReference to Business Case	
	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination	
From:	Updated : State, Public
To:	CaseReference : Object, Public

ATTRIBUTES	
 CaseReferenceID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]
 Name : String Private	[Is static True. Containment is Not Specified.]
 Period_From : Date Private	[Is static True. Containment is Not Specified.]
 Period_To : Date Private	

ATTRIBUTES	
	[Is static True. Containment is Not Specified.]



ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) CaseReference</p> <p>Target: Public (Object) Dossier</p>	
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest</p> <p>Cardinality: [*]</p>	<p>Target: Public (Object) CaseReference</p> <p>Cardinality: [1]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan)</p> <p>Cardinality: [*]</p>	<p>Target: Public (Object) CaseReference</p> <p>Cardinality: [1]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) CaseReference (Overview)</p>	<p>Target: Public (Object) CaseReference</p>
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) Path (Plan)</p> <p>Cardinality: [*]</p>	<p>Target: Public (Object) CaseReference</p> <p>Cardinality: [1]</p>

PathRequest (Overview)

Object in package 'Business Objects'

PathRequest (Overview)
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 14.06.2013. Last modified 14.06.2013

ELEMENTS OWNED BY PathRequest (Overview)	
 PathRequest : Object	

ATTRIBUTES	
 Calendar : Private	[Is static True. Containment is Not Specified.]
 Parameters : Private	

ATTRIBUTES	
	[Is static True. Containment is Not Specified.]
◆ PathRequestID : Private	[Is static True. Containment is Not Specified.]
◆ Timetable : Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
<p>✎ Association (direction: Unspecified)</p> <p>Source: Public (Object) PathRequest (Overview) Target: Public (Object) PathRequest</p>	
<p>✎ Association (direction: Unspecified)</p> <p>Source: Public (Object) PathRequest (Overview) Target: Public (Object) Train (Overview)</p>	
<p>✎ Association (direction: Unspecified)</p> <p>Source: Public (Object) PathRequest (Overview) Target: Public (Object) Path (Overview)</p>	
<p>✎ Association (direction: Unspecified)</p> <p>Source: Public (Object) CaseReference (Overview) Target: Public (Object) PathRequest (Overview)</p>	

PathRequest



Object owned by 'PathRequest (Overview)', in package 'Business Objects'

PathRequest
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 28.06.2013

ATTRIBUTES	
◆ CoordinatingIM : CompanyCode Private	[Is static True. Containment is Not Specified.]
◆ LeadRU : CompanyCode Private	[Is static True. Containment is Not Specified.]
◆ MessageStatus : int Private	[Is static True. Containment is Not Specified.]

ATTRIBUTES	
◆ PathRequestID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]
◆ TypeOfIMHarmonizations : String Private	[Is static True. Containment is Not Specified.]
◆ TypeOfInformation : int Private	[Is static True. Containment is Not Specified.]
◆ TypeOfRequest : int Private	[Is static True. Containment is Not Specified.]
◆ TypeOfRUHarmonization : String Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
<p>✍ Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [1]</p> <p>Target: Public (Object) TrainInformation Cardinality: [1]</p>	
<p>✍ Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [*]</p> <p>Target: Public (Object) CaseReference Cardinality: [1]</p>	
<p>✍ Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [0]</p> <p>Target: Public (Object) NetworkSpecificParameter Cardinality: [*]</p>	
<p>✍ Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [1]</p> <p>Target: Public (Object) PathInformation Cardinality: [1]</p>	
<p>✍ Association (direction: Unspecified)</p> <p>Source: Public (Object) Dossier Cardinality: [1]</p> <p>Target: Public (Object) PathRequest Cardinality: [*]</p>	




ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Object) PathRequest (Overview)	Target: Public (Object) PathRequest
 Association (direction: Destination -> Source)	
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) PathRequest Cardinality: [*]


Path (Plan)

Object owned by 'Path (Overview)', in package 'Business Objects'




Path (Plan)
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS	
 Aggregation from Path (OP) to Path (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Path (Plan) : Object, Public To: Path : Object, Public	
 Dependency Source -> Destination From: synchronize actions : Synchronization, Public To: Path (Plan) : Object, Public	
 Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (Plan) : Object, Public	

ATTRIBUTES	
 PathID : CompositIdentifierPlanningType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Path (Plan)	Target: Public (Object) PathInformation

ASSOCIATIONS	
Cardinality: [1]	Cardinality: [1]
 Association (direction: Source -> Destination)	
Source: Public (Object) Path (Plan) Cardinality: [*]	Target: Public (Object) CaseReference Cardinality: [1]
 Association (direction: Unspecified)	
Source: Public (Object) Dossier Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]
 Association (direction: Unspecified)	
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]


Train (Plan)

Object owned by 'Train (Overview)', in package 'Business Objects'





Train (Plan)
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS	
 Aggregation from Train (OP) to Train (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Train (Plan) : Object, Public To: Train : Object, Public	

ATTRIBUTES	
 TrainID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]


ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Train (Plan)	Target: Public (Object) TrainInformation

ASSOCIATIONS	
Cardinality: [1]	Cardinality: [1]
 Association (direction: Destination -> Source)	
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) PathRequest Cardinality: [*]
 Association (direction: Unspecified)	
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]
 Association (direction: Unspecified)	
Source: Public (Object) Train (Plan) Cardinality: [*]	Target: Public (Object) CaseReference Cardinality: [1]
 Association (direction: Unspecified)	
Source: Public (Object) Train (Plan) Cardinality: [*]	Target: Public (Object) Dossier Cardinality: [1]

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

Activity owned by '4.6 PLANNING', in package 'Handbook-Planning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 28.06.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from PathDetails Message to c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

PL-Activity

Activity owned by '4.6 PLANNING', in package 'Handbook-Planning'

PL-Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 07.04.2013

4.7 UTILISATION NOTIFICATION

UseCase in package 'Handbook-Planning'



4.7 UTILISATION NOTIFICATION
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 21.05.2013

ELEMENTS OWNED BY 4.7 UTILISATION NOTIFICATION
 U-Activity : Activity

U-Activity

Activity owned by '4.7 UTILISATION NOTIFICATION', in package 'Handbook-Planning'

U-Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 07.04.2013

ELEMENTS OWNED BY U-Activity
 c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity
 LINK TO BE CHECKED : Activity

4.7 UtilisationNotification Activity diagram

Activity diagram in package 'Handbook-Planning'

4.7 UtilisationNotification Activity
 Version 1.0
 Hantak created on 02.04.2013. Last modified 22.11.2013

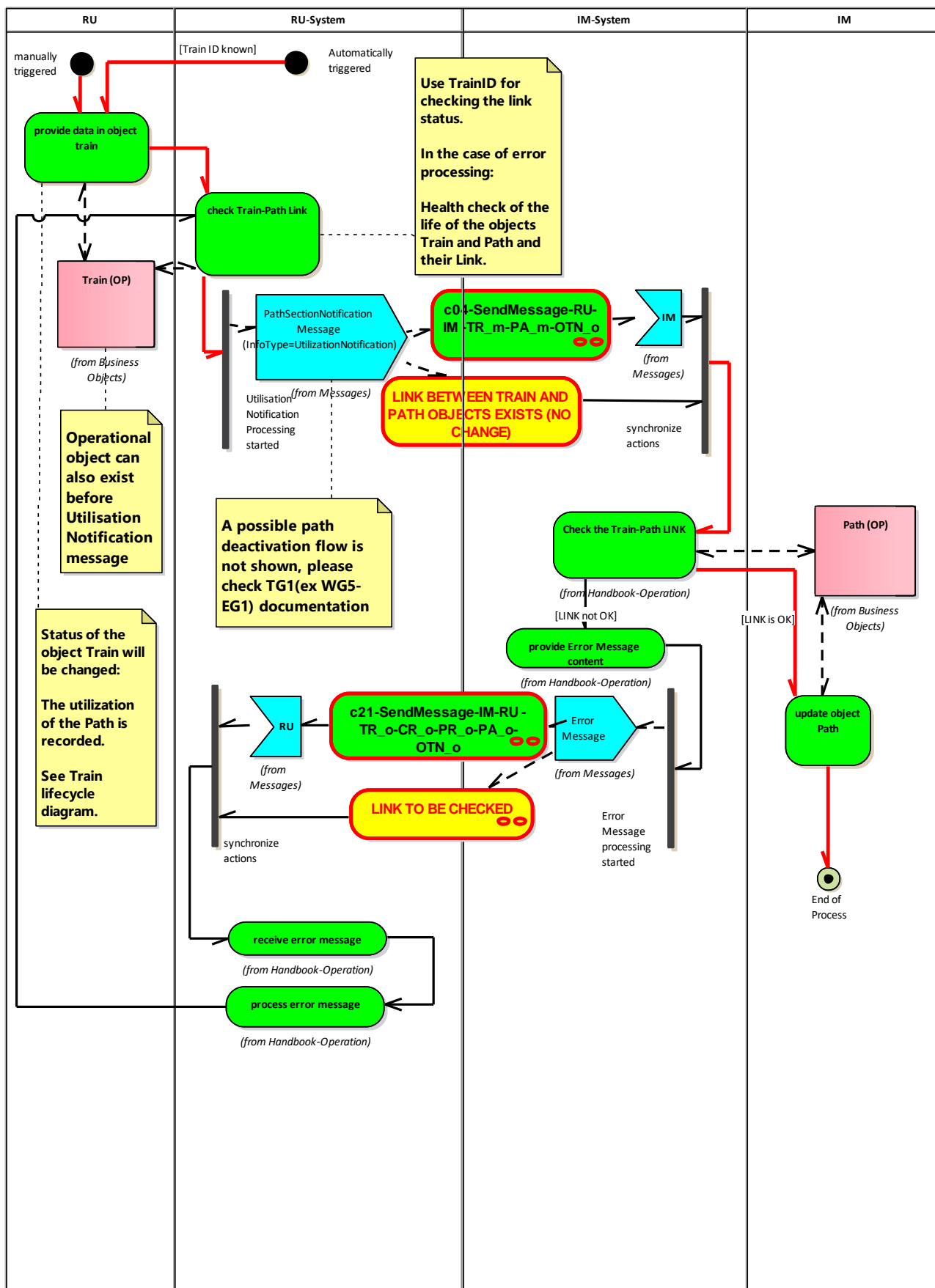


Figure 30: 4.7 UtilisationNotification Activity

process error message

Activity owned by 'RU-System', in package 'Handbook-Operation'

process error message
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from process error message to check Train-Path Link</p>
<p>⇐ ControlFlow from process error message to check Train Path Link</p>
<p>⇐ ControlFlow from process error message to Check the Train-Path Link</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from receive error message to process error message</p>
<p>⇒ ControlFlow from receive error message to process error message</p>

receive error message

Activity owned by 'RU-System', in package 'Handbook-Operation'

receive error message
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from receive error message to process error message</p>
<p>⇐ ControlFlow from receive error message to process error message</p>
<p>⇐ ControlFlow from receive error message to Process error message</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from synchronize actions to receive error message</p>
<p>⇒ ControlFlow from synchronize actions to receive error message</p>
<p>⇒ ControlFlow from synchronize actions to receive error message</p>

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from synchronize actions to receive error message
⇒ ControlFlow from synchronize actions to receive error message
⇒ ControlFlow from synchronize actions to receive error message
⇒ ControlFlow from synchronize actions to receive error message
⇒ ControlFlow from synchronize actions to receive error message
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⇒ ControlFlow from synchronize actions to receive error message
⇒ ControlFlow from synchronize actions to receive error message
⇒ ControlFlow from synchronize actions to receive error message

provide Error Message content

Activity owned by 'IM-System', in package 'Handbook-Operation'

provide Error Message content
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from provide Error Message content to Error Message processing started
⇐ ControlFlow from provide Error Message content to Error Message processing started
⇐ ControlFlow from provide Error Message content to Error Message processing started
⇐ ControlFlow from provide Error Message content to Error Message processing started

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from provide Error Message content to Error Message processing started

INCOMING BEHAVIORAL RELATIONSHIPS

ControlFlow from Check the Train-Path LINK to provide Error Message content
Guard: LINK not OK

Check the Train-Path LINK

Activity owned by 'IM-System', in package 'Handbook-Operation'

Check the Train-Path LINK
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.03.2013. Last modified 16.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from Check the Train-Path LINK to provide data in new object path
Guard: LINK is OK

ControlFlow from Check the Train-Path LINK to provide Error Message content
Guard: LINK not OK

ControlFlow from Check the Train-Path LINK to update object Path
Guard: LINK is OK

ControlFlow from Check the Train-Path LINK to provide update link message content
Guard: LINK is OK

ControlFlow from Check the Train-Path LINK to take data into object Train
Guard: LINK is OK

ControlFlow from Check the Train-Path LINK to process Train Parking Message
Guard: LINK is OK

ControlFlow from Check the Train-Path LINK to Provide Train Running Forecast Message content

ControlFlow from Check the Train-Path LINK to take data into object Train
Guard: LINK is OK

ControlFlow from Check the Train-Path LINK to Provide TrainRunningForecast Message content

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>ControlFlow from Check the Train-Path LINK to Provide Update Information of the Object Message</p>
<p>ControlFlow from Check the Train-Path LINK to provide Error Message content Guard: LINK not OK</p>
<p>ControlFlow from Check the Train-Path LINK to Provide TrainForecastAtReportingLocation Message content</p>
<p>Object Flow from Check the Train-Path LINK to Provide TrainForecastAtReportingLocation Message content</p>
<p>ControlFlow from Check the Train-Path LINK to Provide TrainRunningForecast Message content</p>
<p>Object Flow from Check the Train-Path LINK to Path (OP)</p>
<p>Information Flow from Check the Train-Path LINK to Path (OP)</p>
<p>Information Flow from Check the Train-Path LINK to Train (OP)</p>
<p>ControlFlow from Check the Train-Path LINK to Provide TrainDelayPerformance Message content</p>
<p>ControlFlow from Check the Train-Path LINK to Provide TrainRunningInformation Message content</p>
<p>ControlFlow from Check the Train-Path LINK to take data into object Path Guard: LINK is OK</p>
<p>Information Flow from Check the Train-Path LINK to Path (OP)</p>
<p>Information Flow from Check the Train-Path LINK to Path (OP)</p>
<p>ControlFlow from Check the Train-Path LINK to link train to already existing path Guard: LINK OK</p>
<p>ControlFlow from Check the Train-Path LINK to Provide Train Delay Cause Message content</p>
<p>ControlFlow from Check the Train-Path LINK to Provide Train Running Information Message content</p>

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from Check the Train-Path LINK to provide Train Running Interrupted Message content
⇐ Information Flow from Check the Train-Path LINK to Path (OP)
⇐ ControlFlow from Check the Train-Path LINK to Provide Update Information of the Object Message

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from synchronize actions to Check the Train-Path LINK
⇒ ControlFlow from synchronize actions to Check the Train-Path LINK
⇒ ControlFlow from Process error message to Check the Train-Path LINK
⇒ ControlFlow from process TrainRunningInformation Message to Check the Train-Path LINK
⇒ ControlFlow from Process error message to Check the Train-Path LINK
⇒ ControlFlow from synchronize actions to Check the Train-Path LINK
⇒ ControlFlow from synchronize actions to Check the Train-Path LINK
⇒ ControlFlow from synchronize actions to Check the Train-Path LINK
⇒ ControlFlow from Process error message to Check the Train-Path LINK
⇒ Information Flow from Path (OP) to Check the Train-Path LINK
⇒ ControlFlow from Process error message to Check the Train-Path LINK
⇒ ControlFlow from synchronize actions to Check the Train-Path LINK
⇒ Information Flow from Path (OP) to Check the Train-Path LINK
⇒ ControlFlow from synchronize actions to Check the Train-Path LINK

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from synchronize actions to Check the Train-Path LINK</p>
<p>⇒ ControlFlow from Manually triggered to Check the Train-Path LINK</p>
<p>⇒ ControlFlow from synchronize actions to Check the Train-Path LINK</p>
<p>⇒ ControlFlow from Automatically triggered to Check the Train-Path LINK Guard: Train ID known</p>
<p>⇒ ControlFlow from Process TrainRunningForecast Message to Check the Train-Path LINK</p>

Note

Note in package 'Messages'

A possible path deactivation flow is not shown, please check TG1(ex WG5-EG1) documentation

Note
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 18.09.2013. Last modified 18.09.2013
 Extends

IM

Event in package 'Messages'




IM
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.02.2013. Last modified 15.03.2013

RU

Event in package 'Messages'

RU
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.02.2013. Last modified 15.03.2013




CONNECTORS
<p>  Dependency Source -> Destination From: RU : Event, Public To: synchronize actions : Synchronization, Public </p>











CONNECTORS
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>







Error Message

Trigger in package 'Messages'

Error Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljajic created on 15.03.2013. Last modified 21.05.2013

CONNECTORS
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Receive error message : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: Error Message : Trigger, Public To: RU : Event, Public</p>



CONNECTORS
 Dependency AnswerNotPossible Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public
 Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error Message Processing started : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error message Processing started : Synchronization, Public To: Error Message : Trigger, Public



CONNECTORS
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processed : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

PathSectionNotification Message (InfoType=UtilizationNotification)

Trigger in package 'Messages'

PathSectionNotification Message (InfoType=UtilizationNotification)
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 18.02.2015

CONNECTORS
<p> Dependency Source -> Destination From: PathSectionNotification Message (InfoType=UtilizationNotification) : Trigger, Public To: Planned : State, Public</p>
<p> Dependency Source -> Destination From: PathSectionNotification Message (InfoType=UtilizationNotification) : Trigger, Public To: Produce the operational object : Action, Public</p>

CONNECTORS	
 Dependency Source -> Destination	
From:	PathSectionNotification Message (InfoType=UtilizationNotification) : Trigger, Public
To:	Ready for operation : State, Public
 Dependency Source -> Destination	
From:	Utilisation Notification Processing started : Synchronization, Public
To:	PathSectionNotification Message (InfoType=UtilizationNotification) : Trigger, Public

Note

Note in package 'Business Objects'

Operational object can also exist before Utilisation Notification message




Note
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 18.09.2013. Last modified 18.09.2013
 Extends


Path (OP)


Object owned by 'Path (Overview)', in package 'Business Objects'

Path (OP)
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.11.2012. Last modified 28.06.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Path (OP) to Path (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination	
From:	Path (OP) : Object, Public
To:	Train Running Forecast Message : Trigger, Public
 Dependency Source -> Destination	
From:	Path (OP) : Object, Public
To:	Path : Object, Public
 Dependency Source -> Destination	
From:	OperationalTrainNumber (OTN) : Artifact, Public
To:	Path (OP) : Object, Public

ATTRIBUTES	
 PathID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Path (OP) Cardinality: [1]	Target: Public (Object) PlannedJourenyLocation Cardinality: [*]


Train (OP)


Object owned by 'Train (Overview)', in package 'Business Objects'

Train (OP)
 Version 1.0 Phase 1.0 Proposed
 seid.magljajlic created on 08.11.2012. Last modified 18.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Train (OP) to Train (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Train (OP) : Object, Public To: Train : Object, Public	


ATTRIBUTES	
 TrainID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Train (OP) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

Activity owned by 'U-Activity', in package 'Handbook-Planning'

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 08.09.2013


OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o to RU


INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from Error Message to c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

LINK TO BE CHECKED

Activity owned by 'U-Activity', in package 'Handbook-Planning'

LINK TO BE CHECKED
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from LINK TO BE CHECKED to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from Error Message to LINK TO BE CHECKED

4.8 PLANNING Y-TRAFFIC

UseCase in package 'Handbook-Planning'

















4.8 PLANNING Y-TRAFFIC
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 21.05.2013

ELEMENTS OWNED BY 4.8 PLANNING Y-TRAFFIC
 PL Y Activity : Activity

PL Y Activity

Activity owned by '4.8 PLANNING Y-TRAFFIC', in package 'Handbook-Planning'

PL Y Activity

ELEMENTS OWNED BY PL Y Activity
 c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o : Activity
 c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity

ELEMENTS OWNED BY PL Y Activity
☰ c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
☰ CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
☰ LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
☰ LINK HAS BEEN REFUSED : Activity
☰ LINK NOT CONFIRMED : Activity
☰ PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
☰ PathRequest : Object
☰ PathConfirmed Message : Trigger
☰ PathConfirmed Message : Trigger
☰ PathDetails Message : Trigger
☰ PathDetails Message Status booked : Trigger

4.8 Planning-YTraffic Activity diagram

Activity diagram in package 'Handbook-Planning'

4.8 Planning-YTraffic Activity

Version 1.0

Hantak created on 02.04.2013. Last modified 28.11.2013

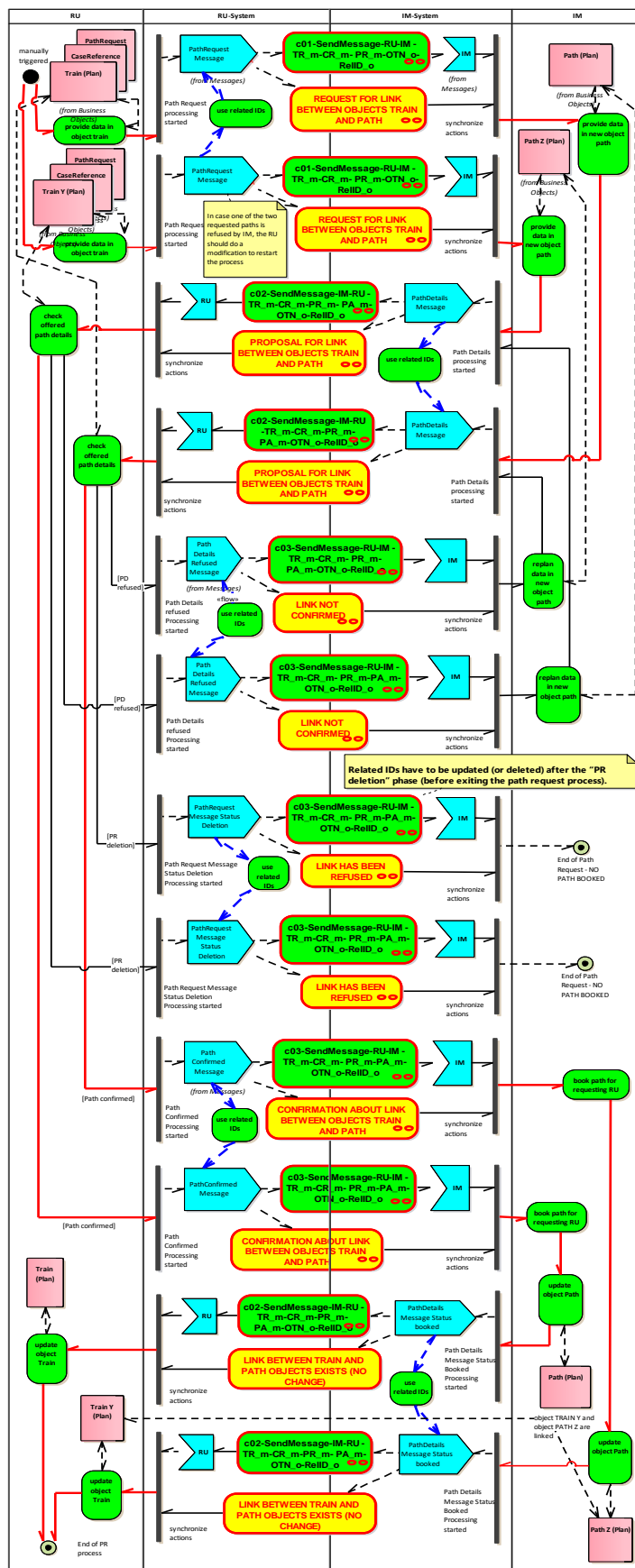


Figure 31: 4.8 Planning-YTraffic Activity

Note

Note in package 'Handbook-Planning'

In case one of the two requested paths is refused by IM, the RU should do a modification to restart the process

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 18.09.2013. Last modified 18.09.2013
Extends

Note

Note in package 'Handbook-Planning'

Related IDs have to be updated (or deleted) after the “PR deletion” phase (before exiting the path request process).

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 22.11.2013. Last modified 22.11.2013
Extends

IM





Event in package 'Messages'





IM
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 15.03.2013

Path Confirmed Message

Trigger in package 'Messages'

Path Confirmed Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 10.06.2013





CONNECTORS
<p> Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Accepted : State, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Accepted : State, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Path for the Train accepted : State, Public</p>
<p> Dependency [path offer accepted] Source -> Destination From: Check alternative path offer : Activity, Public To: Path Confirmed Message : Trigger, Public</p>


CONNECTORS
<p> Dependency Source -> Destination From: Path Confirmed processing started : Synchronization, Public To: Path Confirmed Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed Processing started : Synchronization, Public To: Path Confirmed Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed Processing started : Synchronization, Public To: Path Confirmed Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Planned : State, Public To: Path Confirmed Message : Trigger, Public</p>

Path Details Refused Message

Trigger in package 'Messages'

Path Details Refused Message
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.02.2013. Last modified 10.06.2013








CONNECTORS
<p> Dependency Source -> Destination From: Path Details Refused Message : Trigger, Public To: Refused by RU : State, Public</p>
<p> Dependency Source -> Destination From: Path Details Refused Message : Trigger, Public To: Rejected by RU : State, Public</p>
<p> Dependency Source -> Destination From: Path Details Refused Message processing started : Synchronization, Public To: Path Details Refused Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Details refused Processing started : Synchronization, Public To: Path Details Refused Message : Trigger, Public</p>




CONNECTORS
<p> Dependency Source -> Destination</p> <p>From: Path Details refused Processing started : Synchronization, Public</p> <p>To: Path Details Refused Message : Trigger, Public</p>

PathRequest Message

Trigger in package 'Messages'

PathRequest Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 21.05.2013

CONNECTORS
<p> Dependency Source -> Destination</p> <p>From: PathRequest Message : Trigger, Public</p> <p>To: Issued (requested) : State, Public</p>
<p> Dependency Source -> Destination</p> <p>From: PathRequest Message : Trigger, Public</p> <p>To: In planning by IM : State, Public</p>
<p> Dependency Source -> Destination</p> <p>From: PathRequest Message : Trigger, Public</p> <p>To: In planning by IM : State, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination</p> <p>From: PathRequest Message : Trigger, Public</p> <p>To: IM : Event, Public</p>
<p> Dependency PathRequest ID: Mandatory Source -> Destination</p> <p>From: PathRequest Message : Trigger, Public</p> <p>To: IM : Event, Public</p>
<p> Dependency Source -> Destination</p> <p>From: PathRequest Message : Trigger, Public</p> <p>To: Start : Initial State, Public</p>
<p> Dependency Source -> Destination</p> <p>From: PathRequest Message : Trigger, Public</p> <p>To: c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o : Activity, Public</p>

CONNECTORS
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity, Public</p>
<p> Dependency Source -> Destination From: Path Request processing started : Synchronization, Public To: PathRequest Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Link the Train object to Path Request object : Action, Public To: PathRequest Message : Trigger, Public</p>

CaseReference

Object in package 'Business Objects'

CaseReference
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 08.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS
<p> Aggregation from CaseReference to Business Case</p> <p style="text-align: right;">[Direction is 'Source -> Destination'.]</p>

CONNECTORS
<p> Dependency Source -> Destination From: Updated : State, Public To: CaseReference : Object, Public</p>

ATTRIBUTES
<p> CaseReferenceID : CompositIdentifierPlannedType Private</p> <p style="text-align: right;">[Is static True. Containment is Not Specified.]</p>
<p> Name : String Private</p> <p style="text-align: right;">[Is static True. Containment is Not Specified.]</p>
<p> Period_From : Date Private</p> <p style="text-align: right;">[Is static True. Containment is Not Specified.]</p>
<p> Period_To : Date Private</p> <p style="text-align: right;">[Is static True. Containment is Not Specified.]</p>

ATTRIBUTES

ASSOCIATIONS

<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) CaseReference</p> <p>Target: Public (Object) Dossier</p>
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [*]</p> <p>Target: Public (Object) CaseReference Cardinality: [1]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p> <p>Target: Public (Object) CaseReference Cardinality: [1]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) CaseReference (Overview)</p> <p>Target: Public (Object) CaseReference</p>
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) Path (Plan) Cardinality: [*]</p> <p>Target: Public (Object) CaseReference Cardinality: [1]</p>

Path Z (Plan)

Object in package 'Business Objects'

Path Z (Plan)
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 10.06.2013

PathRequest (Overview)

Object in package 'Business Objects'

PathRequest (Overview)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 14.06.2013. Last modified 14.06.2013

ELEMENTS OWNED BY PathRequest (Overview)

<p> PathRequest : Object</p>

ATTRIBUTES	
◆ Calendar : Private	[Is static True. Containment is Not Specified.]
◆ Parameters : Private	[Is static True. Containment is Not Specified.]
◆ PathRequestID : Private	[Is static True. Containment is Not Specified.]
◆ Timetable : Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
<p>✍ Association (direction: Unspecified)</p> <p>Source: Public (Object) PathRequest (Overview) Target: Public (Object) PathRequest</p>	
<p>✍ Association (direction: Unspecified)</p> <p>Source: Public (Object) PathRequest (Overview) Target: Public (Object) Train (Overview)</p>	
<p>✍ Association (direction: Unspecified)</p> <p>Source: Public (Object) PathRequest (Overview) Target: Public (Object) Path (Overview)</p>	
<p>✍ Association (direction: Unspecified)</p> <p>Source: Public (Object) CaseReference (Overview) Target: Public (Object) PathRequest (Overview)</p>	

PathRequest




Object owned by 'PathRequest (Overview)', in package 'Business Objects'

PathRequest
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 28.06.2013

ATTRIBUTES	
◆ CoordinatingIM : CompanyCode Private	[Is static True. Containment is Not Specified.]

ATTRIBUTES	
◆ LeadRU : CompanyCode Private	[Is static True. Containment is Not Specified.]
◆ MessageStatus : int Private	[Is static True. Containment is Not Specified.]
◆ PathRequestID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]
◆ TypeOfIMHarmonizations : String Private	[Is static True. Containment is Not Specified.]
◆ TypeOfInformation : int Private	[Is static True. Containment is Not Specified.]
◆ TypeOfRequest : int Private	[Is static True. Containment is Not Specified.]
◆ TypeOfRUHarmonization : String Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
<p>✍ Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [1]</p>	<p>Target: Public (Object) TrainInformation Cardinality: [1]</p>
<p>✍ Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [*]</p>	<p>Target: Public (Object) CaseReference Cardinality: [1]</p>
<p>✍ Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [0]</p>	<p>Target: Public (Object) NetworkSpecificParameter Cardinality: [*]</p>
<p>✍ Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [1]</p>	<p>Target: Public (Object) PathInformation Cardinality: [1]</p>

ASSOCIATIONS	
 Association (direction: Unspecified) Source: Public (Object) Dossier Cardinality: [1]	Target: Public (Object) PathRequest Cardinality: [*]
 Association (direction: Unspecified) Source: Public (Object) PathRequest (Overview)	Target: Public (Object) PathRequest
 Association (direction: Destination -> Source) Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) PathRequest Cardinality: [*]

Train Y (Plan)

Object in package 'Business Objects'



Train Y (Plan)
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 10.06.2013. Last modified 10.06.2013

Path (Plan)

Object owned by 'Path (Overview)', in package 'Business Objects'





Path (Plan)
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS	
 Aggregation from Path (OP) to Path (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Path (Plan) : Object, Public To: Path : Object, Public	
 Dependency Source -> Destination From: synchronize actions : Synchronization, Public To: Path (Plan) : Object, Public	

CONNECTORS	
 Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (Plan) : Object, Public	

ATTRIBUTES	
 PathID : CompositIdentifierPlanningType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination) Source: Public (Object) Path (Plan) Cardinality: [1]	Target: Public (Object) PathInformation Cardinality: [1]
 Association (direction: Source -> Destination) Source: Public (Object) Path (Plan) Cardinality: [*]	Target: Public (Object) CaseReference Cardinality: [1]
 Association (direction: Unspecified) Source: Public (Object) Dossier Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]
 Association (direction: Unspecified) Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]

Train (Plan)






Object owned by 'Train (Overview)', in package 'Business Objects'

Train (Plan)
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 10.06.2013. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS	
 Aggregation from Train (OP) to Train (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS
<p> Dependency Source -> Destination From: Train (Plan) : Object, Public To: Train : Object, Public</p>

ATTRIBUTES
<p> TrainID : CompositIdentifierPlannedType Private [Is static True. Containment is Not Specified.]</p>

ASSOCIATIONS		
<p> Association (direction: Source -> Destination)</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"> Source: Public (Object) Train (Plan) Cardinality: [1] </td> <td style="width: 50%; text-align: right;"> Target: Public (Object) TrainInformation Cardinality: [1] </td> </tr> </table>	Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]	
<p> Association (direction: Destination -> Source)</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"> Source: Public (Object) Train (Plan) Cardinality: [1] </td> <td style="width: 50%; text-align: right;"> Target: Public (Object) PathRequest Cardinality: [*] </td> </tr> </table>	Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) PathRequest Cardinality: [*]
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) PathRequest Cardinality: [*]	
<p> Association (direction: Unspecified)</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"> Source: Public (Object) Train (Plan) Cardinality: [1] </td> <td style="width: 50%; text-align: right;"> Target: Public (Object) Path (Plan) Cardinality: [*] </td> </tr> </table>	Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]	
<p> Association (direction: Unspecified)</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"> Source: Public (Object) Train (Plan) Cardinality: [*] </td> <td style="width: 50%; text-align: right;"> Target: Public (Object) CaseReference Cardinality: [1] </td> </tr> </table>	Source: Public (Object) Train (Plan) Cardinality: [*]	Target: Public (Object) CaseReference Cardinality: [1]
Source: Public (Object) Train (Plan) Cardinality: [*]	Target: Public (Object) CaseReference Cardinality: [1]	
<p> Association (direction: Unspecified)</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"> Source: Public (Object) Train (Plan) Cardinality: [*] </td> <td style="width: 50%; text-align: right;"> Target: Public (Object) Dossier Cardinality: [1] </td> </tr> </table>	Source: Public (Object) Train (Plan) Cardinality: [*]	Target: Public (Object) Dossier Cardinality: [1]
Source: Public (Object) Train (Plan) Cardinality: [*]	Target: Public (Object) Dossier Cardinality: [1]	

c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 21.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐:: ControlFlow from c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o to IM</p>
<p>⇐:: Information Flow from c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o to IM</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒:: Information Flow from PathRequest Message to c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o</p>

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o diagram

Activity diagram in package 'Handbook-Planning'

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o
 Version 1.0
 km created on 06.06.2013. Last modified 06.06.2013

Figure 32: c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 21.05.2013. Last modified 06.06.2013

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o diagram

Activity diagram in package 'Handbook-Planning'

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o
 Version 1.0
 km created on 06.06.2013. Last modified 06.06.2013

Figure 33: c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 23.08.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐⇒ ControlFlow from c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o to RU</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒⇐ Information Flow from PathDetails Message to c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o</p>

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐⇒ ControlFlow from c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o to RU</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒⇐ Information Flow from PathDetails Message Status booked to c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o</p>

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o diagram

Activity diagram in package 'Handbook-Planning'



c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o
 Version 1.0
 km created on 06.06.2013. Last modified 06.06.2013

Figure 34: c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o to RU
INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from PathDetails Message Status booked to c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o diagram

Activity diagram in package 'Handbook-Planning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o
 Version 1.0
 km created on 06.06.2013. Last modified 06.06.2013

Figure 35: c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 21.05.2013. Last modified 06.06.2013

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o diagram

Activity diagram in package 'Handbook-Planning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o
 Version 1.0

km created on 06.06.2013. Last modified 06.06.2013

Figure 36: c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 06.06.2013

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o diagram

Activity diagram in package 'Handbook-Planning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o
Version 1.0
km created on 06.06.2013. Last modified 06.06.2013

Figure 37: c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 06.06.2013

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o diagram

Activity diagram in package 'Handbook-Planning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o
Version 1.0
km created on 06.06.2013. Last modified 06.06.2013

Figure 38: c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>➡ ControlFlow from c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to IM</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡ Information Flow from Path Details Refused Message to c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o</p>

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o diagram

Activity diagram in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0
 km created on 06.06.2013. Last modified 06.06.2013

Figure 39: c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to IM</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from PathRequest Message Status Deletion to c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o</p>

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o diagram

Activity diagram in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0
 km created on 06.06.2013. Last modified 06.06.2013

Figure 40: c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to IM</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from PathRequest Message Status Deletion to c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o</p>

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o diagram

Activity diagram in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0
 km created on 06.06.2013. Last modified 06.06.2013

Figure 41: c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 06.06.2013

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o diagram

Activity diagram in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0
 km created on 06.06.2013. Last modified 06.06.2013

Figure 42: c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>➡ ControlFlow from c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to IM</p>

INCOMING BEHAVIORAL RELATIONSHIPS

<p>Information Flow from Path Confirmed Message to c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o</p>
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c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o diagram

Activity diagram in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
Version 1.0
km created on 06.06.2013. Last modified 06.06.2013

Figure 43: c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 31.05.2013. Last modified 06.06.2013

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o diagram

Activity diagram in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
Version 1.0
km created on 06.06.2013. Last modified 06.06.2013

Figure 44: c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
Version 1.0 Phase 1.0 Proposed

Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>ControlFlow from c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to IM</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>Information Flow from Path Details Refused Message to c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o</p>

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o diagram

Activity diagram in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0
 km created on 06.06.2013. Last modified 06.06.2013

Figure 45: c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>ControlFlow from c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to IM</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>Information Flow from PathConfirmed Message to c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o</p>

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o diagram

Activity diagram in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0
 km created on 06.06.2013. Last modified 06.06.2013

Figure 46: c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 06.06.2013

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o diagram

Activity diagram in package 'Handbook-Planning'



c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0
 km created on 06.06.2013. Last modified 06.06.2013

Figure 47: c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.06.2013. Last modified 06.06.2013

ELEMENTS OWNED BY CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH	
	CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
	CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH : Activity

ELEMENTS OWNED BY CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

 CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH : Activity

 CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH : Activity

OUTGOING BEHAVIORAL RELATIONSHIPS

 ControlFlow from CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

 Information Flow from PathConfirmed Message to CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH diagram

Activity diagram in package 'Handbook-Planning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Version 1.0

seid.magljalic created on 06.06.2013. Last modified 28.06.2013

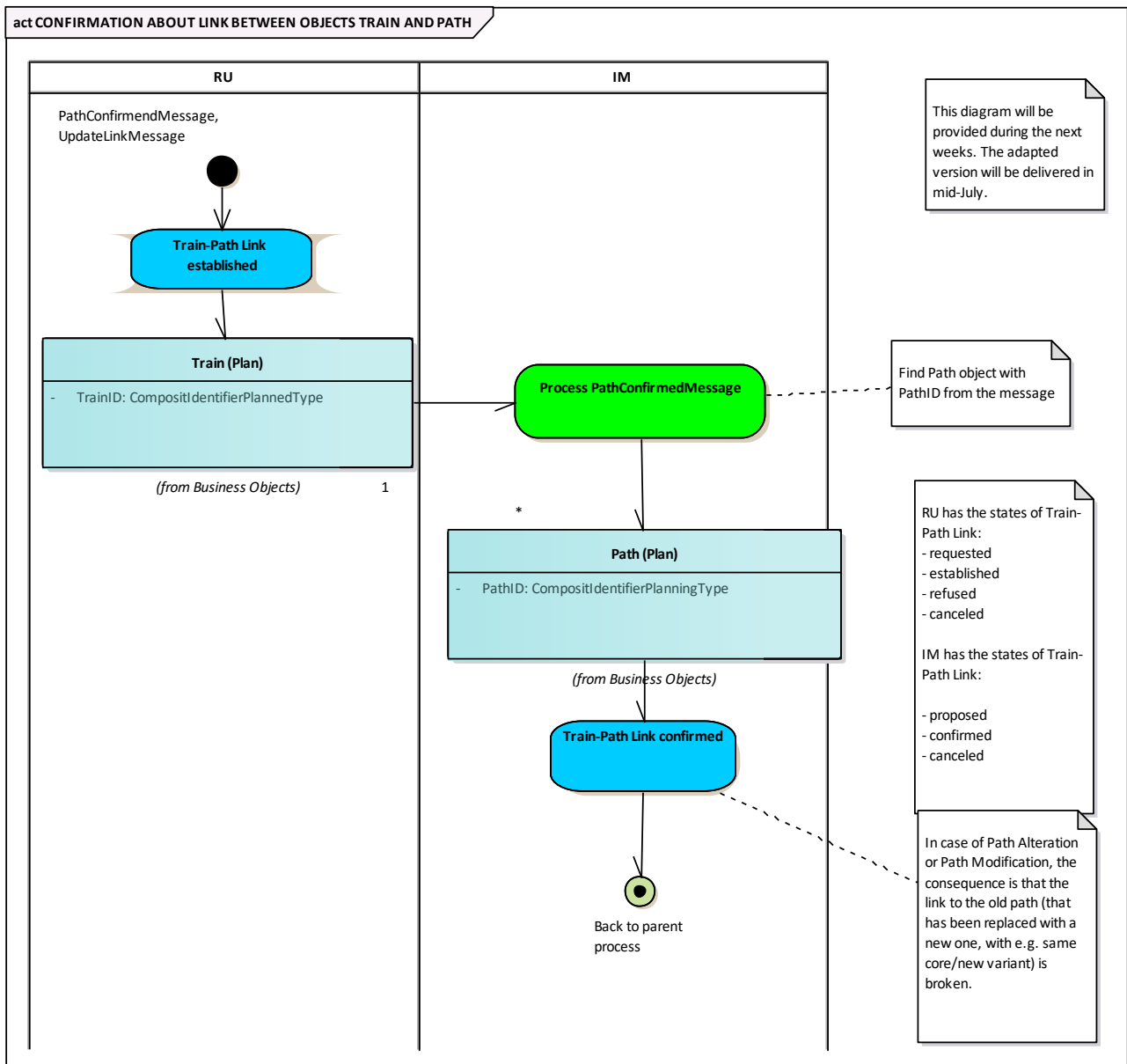


Figure 48: CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH', in package 'Handbook-Planning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.06.2013. Last modified 06.06.2013

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH diagram

Activity diagram in package 'Handbook-Planning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0
 km created on 06.06.2013. Last modified 06.06.2013

Figure 49: CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH', in package 'Handbook-Planning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.06.2013. Last modified 06.06.2013

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH diagram

Activity diagram in package 'Handbook-Planning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0
 km created on 06.06.2013. Last modified 06.06.2013

Figure 50: CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH', in package 'Handbook-Planning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.06.2013. Last modified 06.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⚡ ControlFlow from CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⚡ Information Flow from Path Confirmed Message to CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH</p>

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH diagram

Activity diagram in package 'Handbook-Planning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Version 1.0

seid.maglajlic created on 06.06.2013. Last modified 28.06.2013

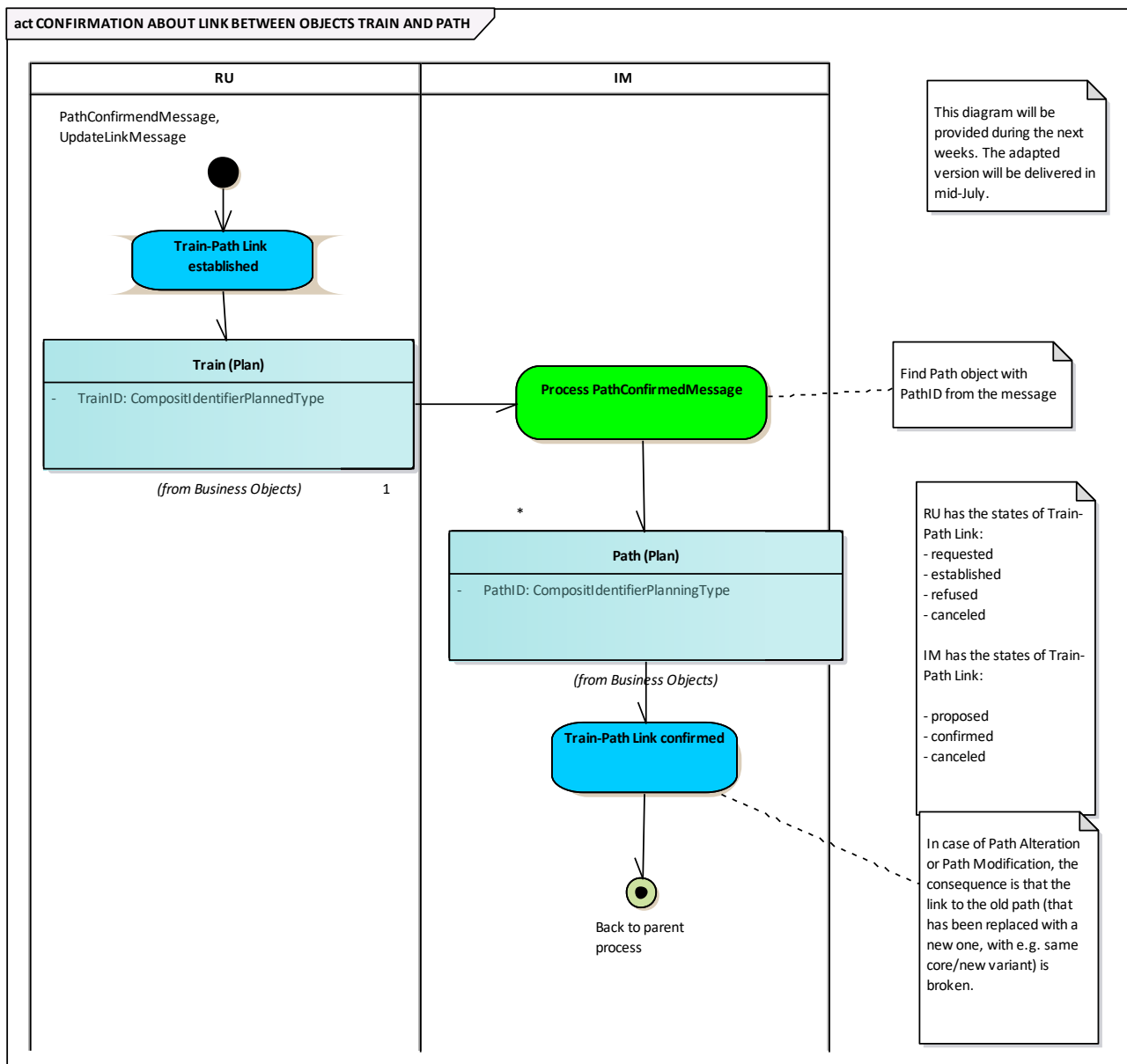


Figure 51: CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH', in package 'Handbook-Planning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Version 1.0 Phase 1.0 Proposed

Hantak created on 02.06.2013. Last modified 06.06.2013

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH diagram

Activity diagram in package 'Handbook-Planning'






CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0
 km created on 06.06.2013. Last modified 06.06.2013

Figure 52: CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 04.06.2013. Last modified 28.06.2013

ELEMENTS OWNED BY LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)
 LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions
 ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions
INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from PathDetails Message Status booked to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)
 Information Flow from Error Message to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) diagram

Activity diagram in package 'Handbook-Planning'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Figure 53: LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)', in package 'Handbook-Planning'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)
Version 1.0 Phase 1.0 Proposed
Hantak created on 04.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

Information Flow from PathDetails Message Status booked to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) diagram

Activity diagram in package 'Handbook-Planning'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)
Version 1.0
km created on 06.06.2013. Last modified 06.06.2013

Figure 54: LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK HAS BEEN REFUSED

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

LINK HAS BEEN REFUSED

Version 1.0 Phase 1.0 Proposed
Hantak created on 31.05.2013. Last modified 06.06.2013


ELEMENTS OWNED BY LINK HAS BEEN REFUSED

 LINK HAS BEEN REFUSED : Activity

OUTGOING BEHAVIORAL RELATIONSHIPS

 ControlFlow from LINK HAS BEEN REFUSED to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

 Information Flow from PathRequest Message Status Deletion to LINK HAS BEEN REFUSED

LINK HAS BEEN REFUSED diagram

Activity diagram in package 'Handbook-Planning'

LINK HAS BEEN REFUSED
Version 1.0
seid.maglajlic created on 06.06.2013. Last modified 28.06.2013

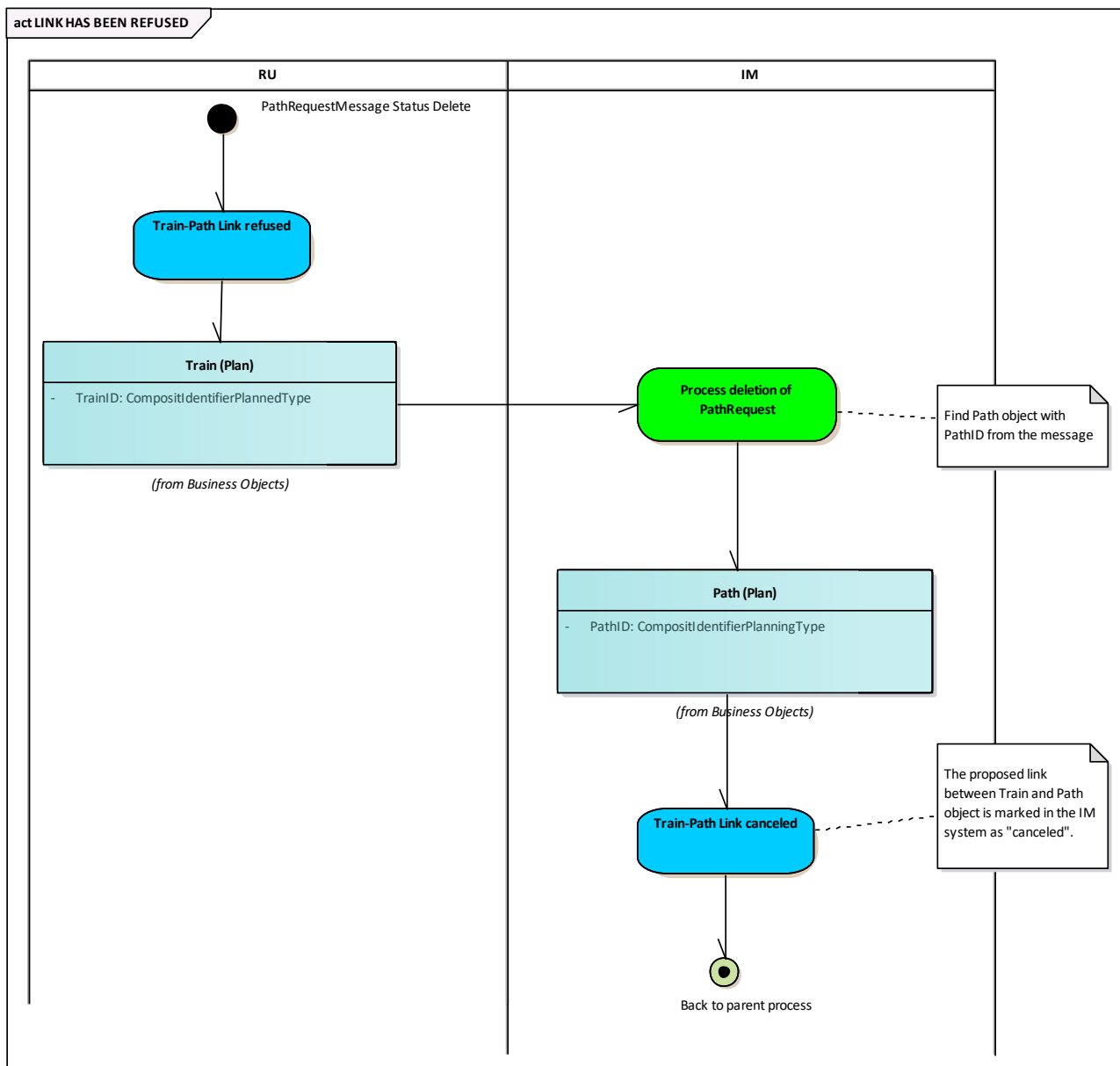


Figure 55: LINK HAS BEEN REFUSED

LINK HAS BEEN REFUSED

Activity owned by 'LINK HAS BEEN REFUSED', in package 'Handbook-Planning'

LINK HAS BEEN REFUSED
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 06.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from LINK HAS BEEN REFUSED to synchronize actions</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from PathRequest Message Status Deletion to LINK HAS BEEN REFUSED</p>

INCOMING BEHAVIORAL RELATIONSHIPS

LINK HAS BEEN REFUSED diagram

Activity diagram in package 'Handbook-Planning'

LINK HAS BEEN REFUSED

Version 1.0

seid.maglajlic created on 06.06.2013. Last modified 28.06.2013

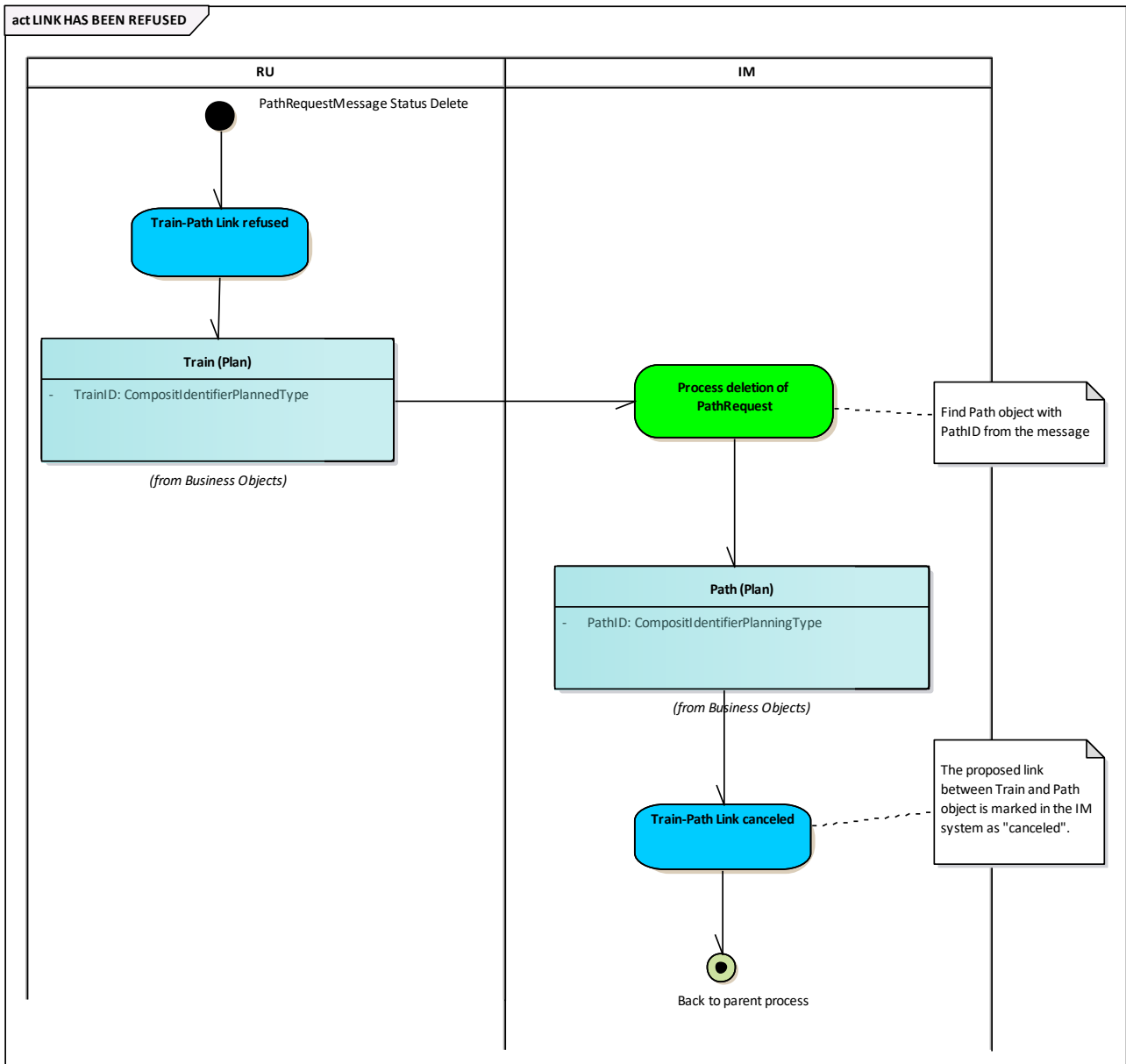


Figure 56: LINK HAS BEEN REFUSED

LINK NOT CONFIRMED

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

LINK NOT CONFIRMED

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from LINK NOT CONFIRMED to synchronize actions</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from Path Details Refused Message to LINK NOT CONFIRMED</p>

LINK NOT CONFIRMED diagram

Activity diagram in package 'Handbook-Planning'

LINK NOT CONFIRMED
 Version 1.0
 seid.maglajlic created on 06.06.2013. Last modified 28.06.2013

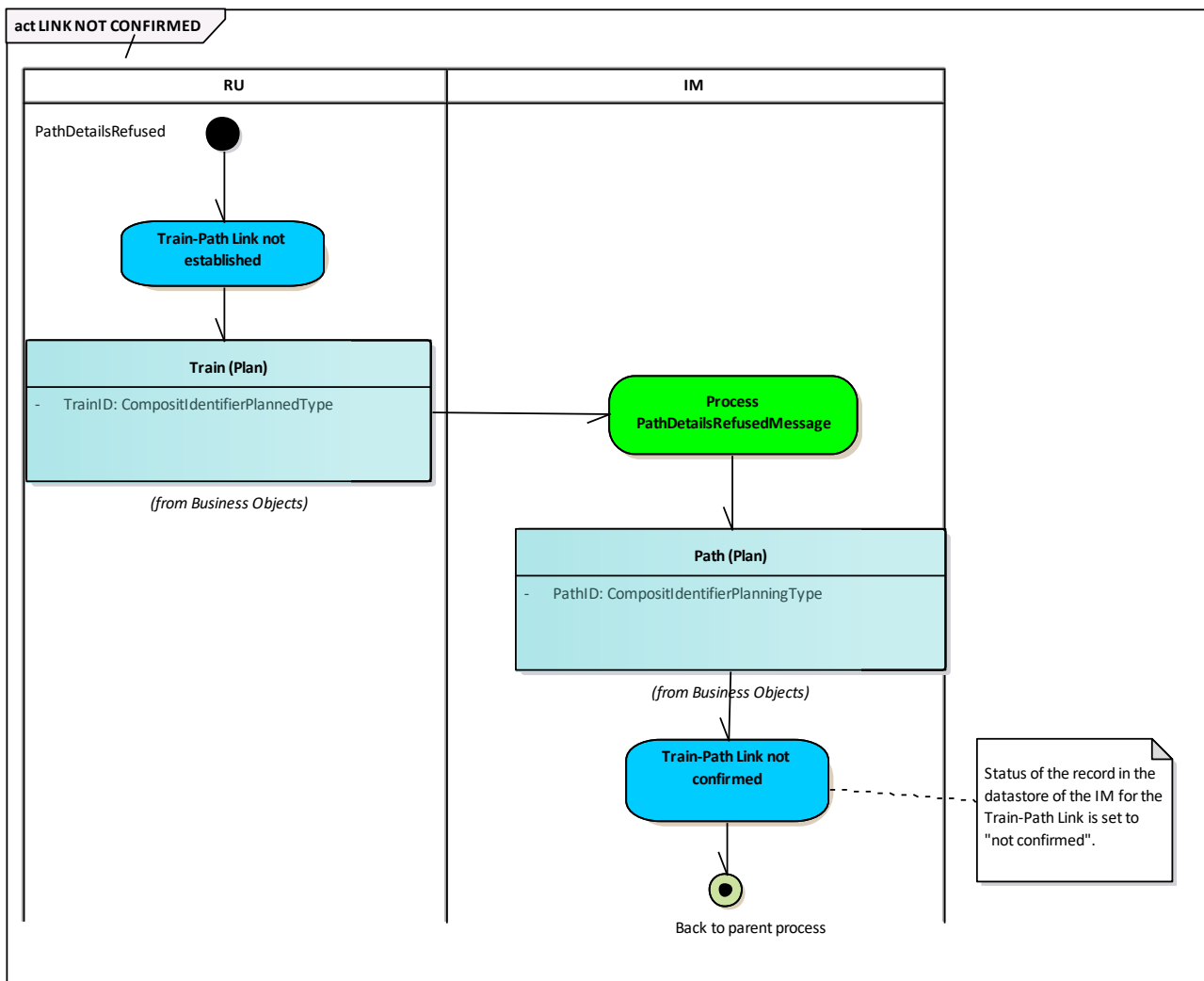


Figure 57: LINK NOT CONFIRMED

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'PL Y Activity', in package 'Handbook-Planning'

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Version 1.0 Phase 1.0 Proposed

Hantak created on 30.05.2013. Last modified 06.06.2013

ELEMENTS OWNED BY PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

 PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity

OUTGOING BEHAVIORAL RELATIONSHIPS

 ControlFlow from PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

 Information Flow from PathDetails Message to PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH diagram

Activity diagram in package 'Handbook-Planning'

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Version 1.0

seid.magljalic created on 06.06.2013. Last modified 28.06.2013

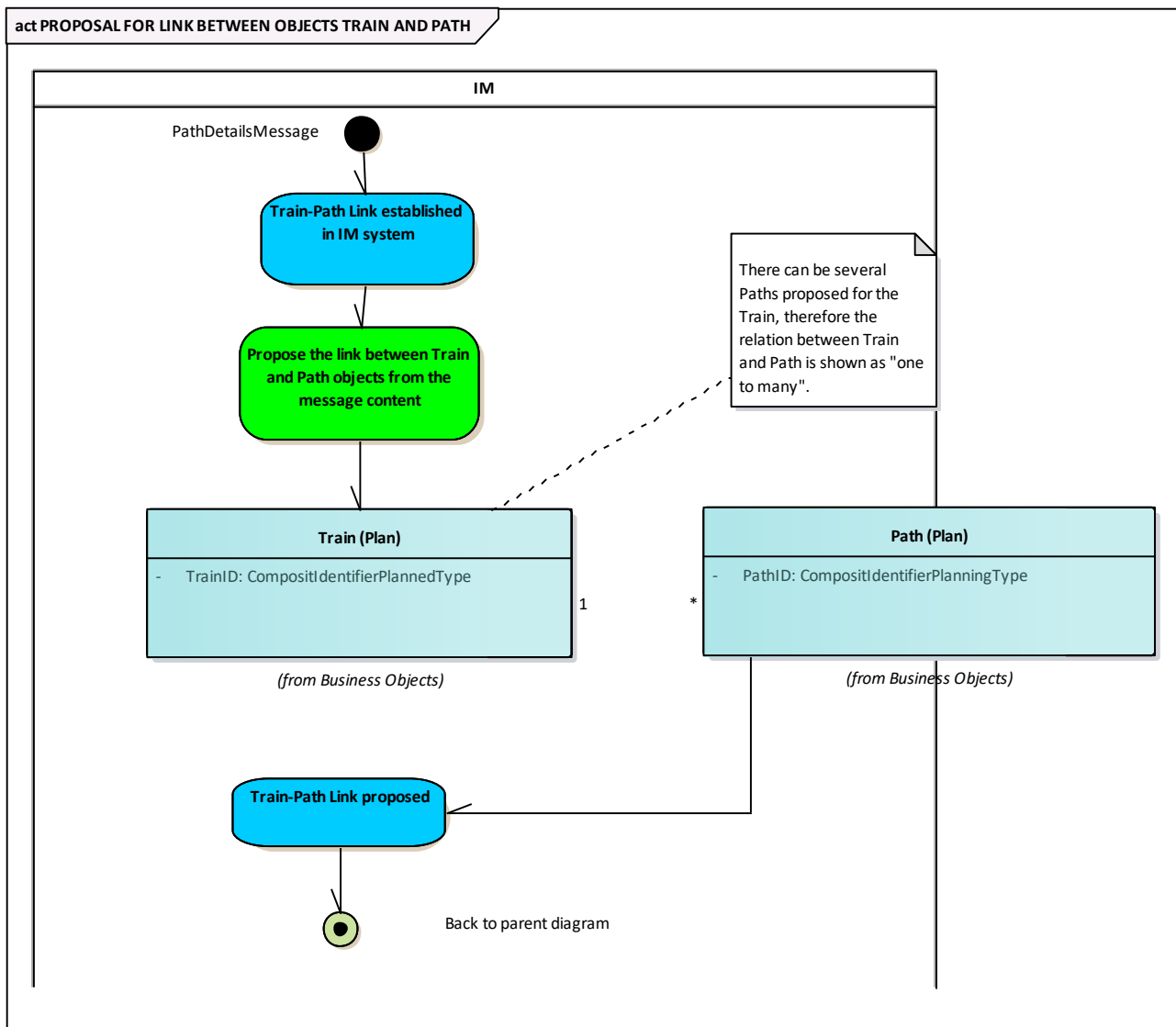


Figure 58: PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH', in package 'Handbook-Planning'

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 30.05.2013. Last modified 06.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from PathDetails Message to PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH</p>

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH diagram

Activity diagram in package 'Handbook-Planning'

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Version 1.0

seid.magljalic created on 06.06.2013. Last modified 28.06.2013

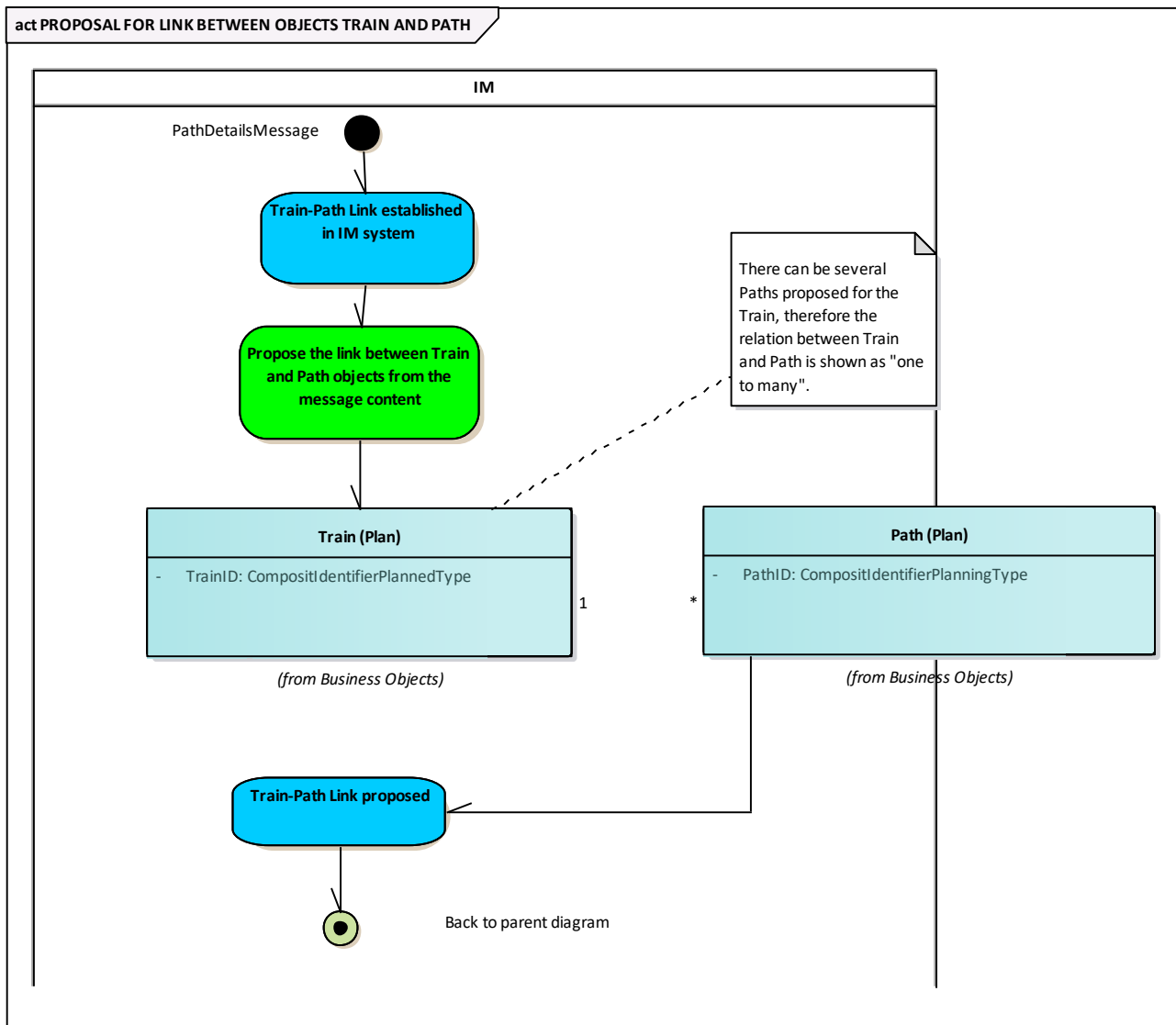


Figure 59: PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

PathRequest

Object owned by 'PL Y Activity', in package 'Handbook-Planning'

PathRequest

Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 14.06.2013. Last modified 08.09.2013

ATTRIBUTES
Calendar : Private

ATTRIBUTES	
	[Is static True. Containment is Not Specified.]
 Parameters : Private	[Is static True. Containment is Not Specified.]
 PathRequestID : Private	[Is static True. Containment is Not Specified.]
 Timetable : Private	[Is static True. Containment is Not Specified.]

PathConfirmed Message


Trigger owned by 'PL Y Activity', in package 'Handbook-Planning'

PathConfirmed Message
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 15.03.2013. Last modified 21.05.2013

PathConfirmed Message

Trigger owned by 'PL Y Activity', in package 'Handbook-Planning'

PathConfirmed Message
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 15.03.2013. Last modified 21.05.2013

CONNECTORS	
 Dependency Source -> Destination	
From: Path Confirmed Processing started : Synchronization, Public	
To: PathConfirmed Message : Trigger, Public	

PathDetails Message

Trigger owned by 'PL Y Activity', in package 'Handbook-Planning'

c02 diagram contains the identifier processing of this message

PathDetails Message
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 05.06.2013

PathDetails Message Status booked

Trigger owned by 'PL Y Activity', in package 'Handbook-Planning'

PathDetails Message Status booked
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 02.06.2013

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

UMLDiagram in package 'Handbook-Planning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 28.06.2013. Last modified 28.06.2013
Extends

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

UMLDiagram in package 'Handbook-Planning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 28.06.2013. Last modified 28.06.2013
Extends

LINK HAS BEEN REFUSED

UMLDiagram in package 'Handbook-Planning'

LINK HAS BEEN REFUSED
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 28.06.2013. Last modified 28.06.2013
Extends

LINK HAS BEEN REFUSED

UMLDiagram in package 'Handbook-Planning'

LINK HAS BEEN REFUSED
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 28.06.2013. Last modified 28.06.2013
Extends

LINK NOT CONFIRMED

UMLDiagram in package 'Handbook-Planning'

LINK NOT CONFIRMED
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 28.06.2013. Last modified 28.06.2013
Extends

LINK NOT CONFIRMED

UMLDiagram in package 'Handbook-Planning'

LINK NOT CONFIRMED

Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 28.06.2013. Last modified 28.06.2013
 Extends

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

UMLDiagram in package 'Handbook-Planning'

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 28.06.2013. Last modified 28.06.2013
 Extends

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

UMLDiagram in package 'Handbook-Planning'

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 28.06.2013. Last modified 28.06.2013
 Extends

REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH





UMLDiagram in package 'Handbook-Planning'

REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 28.06.2013. Last modified 28.06.2013
 Extends

IM

ActivityPartition in package 'Handbook-Planning'

IM
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 18.06.2013

ELEMENTS OWNED BY IM
 book path for requesting RU : Activity
 book path for requesting RU : Activity
 LINK NOT CONFIRMED : Activity
 provide data in new object path : Activity

ELEMENTS OWNED BY IM
📄 provide data in new object path : Activity
📄 replan data in new object path : Activity
📄 replan data in new object path : Activity
📄 replan data in new object path : Activity
📄 update object Path : Activity
📄 update object Path : Activity
📄 Path (Plan) : Object
📄 Path Z (Plan) : Object
📄 End of Path Request - NO PATH BOOKED : ActivityFinal
📄 End of Path Request - NO PATH BOOKED : ActivityFinal
📄 End of Path Request - NO PATH BOOKED : ActivityFinal
📄 End of Process : ActivityFinal
📄 PathConfirmed Message : Trigger

book path for requesting RU

Activity owned by 'IM', in package 'Handbook-Planning'

book path for requesting RU
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.06.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⚡ ControlFlow from book path for requesting RU to update object Path

INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡ ControlFlow from synchronize actions to book path for requesting RU</p>

book path for requesting RU

Activity owned by 'IM', in package 'Handbook-Planning'

book path for requesting RU
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.06.2013. Last modified 06.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>➡ ControlFlow from book path for requesting RU to Path Details Message Status Booked Processing started</p>
<p>➡ ControlFlow from book path for requesting RU to update object Path</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡ ControlFlow from synchronize actions to book path for requesting RU</p>

LINK NOT CONFIRMED

Activity owned by 'IM', in package 'Handbook-Planning'

LINK NOT CONFIRMED
Version 1.0 Phase 1.0 Proposed
Hantak created on 31.05.2013. Last modified 06.06.2013

LINK NOT CONFIRMED diagram











Activity diagram in package 'Handbook-Planning'

LINK NOT CONFIRMED
Version 1.0
km created on 06.06.2013. Last modified 06.06.2013

Figure 60: LINK NOT CONFIRMED

provide data in new object path*Activity owned by 'IM', in package 'Handbook-Planning'*

provide data in new object path
Version 1.0 Phase 1.0 Proposed
Hantak created on 30.05.2013. Last modified 30.05.2013

STRUCTURAL PART OF provide data in new object path
 ObjectNode2 : ActionPin
OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from provide data in new object path to replan data in new object path
 ControlFlow from provide data in new object path to Path Details processing started
 ControlFlow from provide data in new object path to Path Details processing started
 Information Flow from provide data in new object path to TrainAccepted Message
 Object Flow from provide data in new object path to Path (Plan)
 ControlFlow from provide data in new object path to Path Details processing started
 ControlFlow from provide data in new object path to book path for requesting RU Guard: Pre-acceptance indicated
INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from Path (Plan) to provide data in new object path
 ControlFlow from synchronize actions to provide data in new object path

ObjectNode2*ActionPin owned by 'provide data in new object path', in package 'Handbook-Planning'***provide data in new object path***Activity owned by 'IM', in package 'Handbook-Planning'*

provide data in new object path
Version 1.0 Phase 1.0 Proposed
Hantak created on 30.05.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from provide data in new object path to Path Details processing started</p>
<p>⇐ ControlFlow from provide data in new object path to Path Details processing started</p>
<p>⇐ ControlFlow from provide data in new object path to replan data in new object path</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from synchronize actions to provide data in new object path</p>
<p>⇒ Information Flow from Path Z (Plan) to provide data in new object path</p>

replan data in new object path

Activity owned by 'IM', in package 'Handbook-Planning'

replan data in new object path
Version 1.0 Phase 1.0 Proposed
Hantak created on 31.05.2013. Last modified 31.05.2013

STRUCTURAL PART OF replan data in new object path
<p>⚙ ObjectNode1 : ActionPin</p>

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from replan data in new object path to Path Details processing started</p>
<p>⇐ Information Flow from replan data in new object path to Path (Plan)</p>
<p>⇐ Information Flow from replan data in new object path to Path Z (Plan)</p>
<p>⇐ ControlFlow from replan data in new object path to Path Details processing started</p>
<p>⇐ ControlFlow from replan data in new object path to Path Details processing started</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from synchronize actions to replan data in new object path</p>
<p>⇒ ControlFlow from synchronize actions to replan data in new object path</p>

ObjectNode1

ActionPin owned by 'replan data in new object path', in package 'Handbook-Planning'

replan data in new object path

Activity owned by 'IM', in package 'Handbook-Planning'

replan data in new object path
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐⇒ ControlFlow from replan data in new object path to Path Details processing started</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from provide data in new object path to replan data in new object path</p>

replan data in new object path

Activity owned by 'IM', in package 'Handbook-Planning'

replan data in new object path
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐⇒ ControlFlow from replan data in new object path to Path Details processing started</p>
<p>⇐⇒ Information Flow from replan data in new object path to Path (Plan)</p>
<p>⇐⇒ ControlFlow from replan data in new object path to Path Details processing started</p>

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from provide data in new object path to replan data in new object path
⇒ ControlFlow from synchronize actions to replan data in new object path

update object Path

Activity owned by 'IM', in package 'Handbook-Planning'

update object Path
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 10.06.2013



OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from update object Path to End of Process
⇐ ControlFlow from update object Path to Path Details Message Status Booked Processing started
⇐ Information Flow from update object Path to Path Z (Plan)
⇐ Information Flow from update object Path to Path (OP)
⇐ ControlFlow from update object Path to Path Details Message Status Booked Processing started

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from Check the Train-Path LINK to update object Path Guard: LINK is OK
⇒ ControlFlow from book path for requesting RU to update object Path
⇒ ControlFlow from book path for requesting RU to update object Path

update object Path

Activity owned by 'IM', in package 'Handbook-Planning'

update object Path
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 10.06.2013


OUTGOING BEHAVIORAL RELATIONSHIPS
 Information Flow from update object Path to Path (Plan)
 ControlFlow from update object Path to Path Details Message Status Booked Processing started

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from book path for requesting RU to update object Path

Path (Plan)

Object owned by 'IM', in package 'Handbook-Planning'

Path (Plan)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 10.06.2013

ATTRIBUTES
 Calendar : Calendar Private [Is static True. Containment is Not Specified.]
 PathID : CompositIdentifierPlanningType Private [Is static True. Containment is Not Specified.]
 technParameters : Complex Private [Is static True. Containment is Not Specified.]
 Timetable : Timetable Private [Is static True. Containment is Not Specified.]

Path Z (Plan)

Object owned by 'IM', in package 'Handbook-Planning'

Path Z (Plan)
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 10.06.2013

End of Path Request - NO PATH BOOKED

ActivityFinal owned by 'IM', in package 'Handbook-Planning'

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from synchronize actions to End of Path Request - NO PATH BOOKED

⇒ ControlFlow from synchronize actions to End of Path Request - NO PATH BOOKED

End of Path Request - NO PATH BOOKED

ActivityFinal owned by 'IM', in package 'Handbook-Planning'

CONNECTORS

↗ **Dependency** Source -> Destination

From: synchronize actions : Synchronization, Public

To: End of Path Request - NO PATH BOOKED : ActivityFinal, Public

End of Path Request - NO PATH BOOKED

ActivityFinal owned by 'IM', in package 'Handbook-Planning'

CONNECTORS

↗ **Dependency** Source -> Destination

From: synchronize actions : Synchronization, Public

To: End of Path Request - NO PATH BOOKED : ActivityFinal, Public

End of Process

ActivityFinal owned by 'IM', in package 'Handbook-Planning'

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from update object Path to End of Process
















PathConfirmed Message













Trigger owned by 'IM', in package 'Handbook-Planning'

PathConfirmed Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 06.06.2013

ActivityPartition in package 'Handbook-Planning'

IM-System
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 18.06.2013

ELEMENTS OWNED BY IM-System
 LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
 LINK NOT CONFIRMED : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o : Activity
 use related IDs : Activity
 use related IDs : Activity
 PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
 c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o : Activity
 IM : Event
 IM : Event

ELEMENTS OWNED BY IM-System
 IM : Event
 IM : Event
 IM : Event
 IM : Event
 IM : Event
 IM : Event
 IM : Event
 IM : Event
 PathDetails Message : Trigger
 PathDetails Message : Trigger
 PathDetails Message Status booked : Trigger
 PathDetails Message Status booked : Trigger

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'IM-System', in package 'Handbook-Planning'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0 Phase 1.0 Proposed

Hantak created on 04.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Information Flow from PathDetails Message Status booked to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK NOT CONFIRMED

Activity owned by 'IM-System', in package 'Handbook-Planning'

LINK NOT CONFIRMED
Version 1.0 Phase 1.0 Proposed
Hantak created on 31.05.2013. Last modified 06.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇨ ControlFlow from LINK NOT CONFIRMED to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Information Flow from Path Details Refused Message to LINK NOT CONFIRMED

LINK NOT CONFIRMED diagram

Activity diagram in package 'Handbook-Planning'

LINK NOT CONFIRMED
Version 1.0
seid.maglajlic created on 06.06.2013. Last modified 28.06.2013

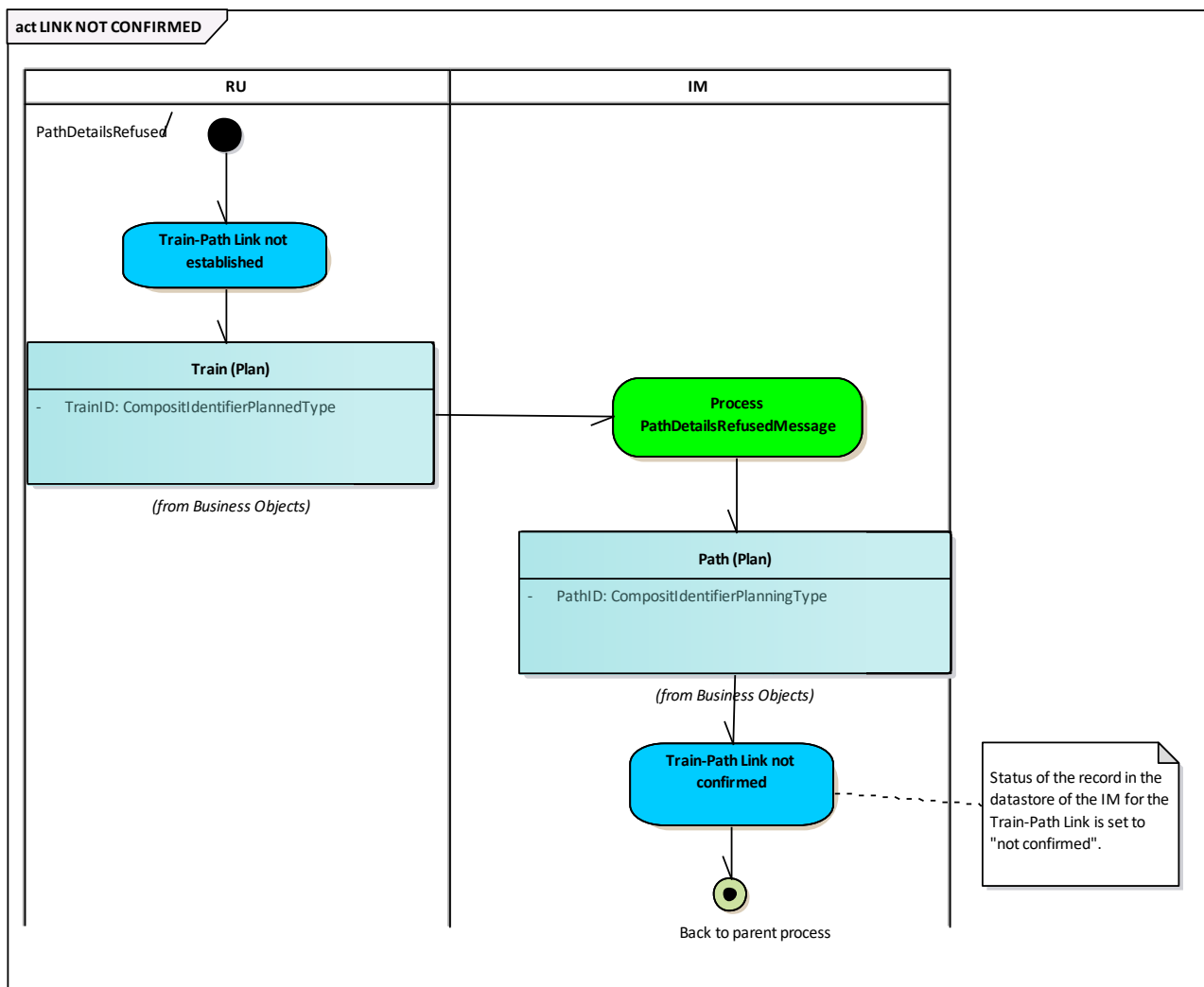


Figure 61: LINK NOT CONFIRMED

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

Activity owned by 'IM-System', in package 'Handbook-Planning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 23.08.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS

Information Flow from PathDetails Message to c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o*Activity owned by 'IM-System', in package 'Handbook-Planning'*

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Information Flow from c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from PathDetails Message Status booked to c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o*Activity owned by 'IM-System', in package 'Handbook-Planning'*

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 21.05.2013. Last modified 06.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Information Flow from c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from PathDetails Message Status booked to c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o*Activity owned by 'IM-System', in package 'Handbook-Planning'*

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 21.05.2013. Last modified 06.06.2013

use related IDs*Activity owned by 'IM-System', in package 'Handbook-Planning'*

use related IDs
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 10.06.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Information Flow from use related IDs to PathDetails Message

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from PathDetails Message to use related IDs

use related IDs

Activity owned by 'IM-System', in package 'Handbook-Planning'

use related IDs
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 12.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Information Flow from use related IDs to PathDetails Message Status booked

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from PathDetails Message Status booked to use related IDs

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'IM-System', in package 'Handbook-Planning'

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH
Version 1.0 Phase 1.0 Proposed
Hantak created on 30.05.2013. Last modified 30.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Path Details processing started to PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

CONNECTORS

➤ **Dependency** Source -> Destination

From: PathDetails Message : Trigger, Public

To: PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity, Public

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o

Activity owned by 'IM-System', in package 'Handbook-Planning'

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 04.06.2013

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o

Activity owned by 'IM-System', in package 'Handbook-Planning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 04.06.2013

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o

Activity owned by 'IM-System', in package 'Handbook-Planning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 04.06.2013

c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o

Activity owned by 'IM-System', in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 04.06.2013

IM

Event owned by 'IM-System', in package 'Handbook-Planning'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 06.06.2013

IM

Event owned by 'IM-System', in package 'Handbook-Planning'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 06.06.2013

IM

Event owned by 'IM-System', in package 'Handbook-Planning'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 06.06.2013

IM

Event owned by 'IM-System', in package 'Handbook-Planning'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 06.06.2013

IM

Event owned by 'IM-System', in package 'Handbook-Planning'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 21.05.2013

IM

Event owned by 'IM-System', in package 'Handbook-Planning'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 30.05.2013

IM

Event owned by 'IM-System', in package 'Handbook-Planning'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 06.06.2013

IM

Event owned by 'IM-System', in package 'Handbook-Planning'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 06.06.2013

IM

Event owned by 'IM-System', in package 'Handbook-Planning'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 06.06.2013

IM

Event owned by 'IM-System', in package 'Handbook-Planning'




IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 30.05.2013

PathDetails Message

Trigger owned by 'IM-System', in package 'Handbook-Planning'

c02 diagram contains the identifier processing of this message

PathDetails Message
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 06.06.2013


CONNECTORS
 Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: PathDetails Message : Trigger, Public
 Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: PathDetails Message : Trigger, Public
 Dependency Source -> Destination From: Path Details processing started : Synchronization, Public To: PathDetails Message : Trigger, Public



PathDetails Message

Trigger owned by 'IM-System', in package 'Handbook-Planning'

c02 diagram contains the identifier processing of this message

PathDetails Message
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 06.06.2013


CONNECTORS
 Dependency Source -> Destination From: Path Details processing started : Synchronization, Public To: PathDetails Message : Trigger, Public

CONNECTORS	
 Dependency	Source -> Destination
From:	PathDetails Message : Trigger, Public
To:	PathDetails Message : Trigger, Public
 Dependency	Source -> Destination
From:	PathDetails Message : Trigger, Public
To:	PathDetails Message : Trigger, Public

PathDetails Message Status booked

Trigger owned by 'IM-System', in package 'Handbook-Planning'


PathDetails Message Status booked
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 06.06.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	Path Details Message Status Booked Processing started : Synchronization, Public
To:	PathDetails Message Status booked : Trigger, Public

PathDetails Message Status booked

Trigger owned by 'IM-System', in package 'Handbook-Planning'














PathDetails Message Status booked
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 06.06.2013



CONNECTORS	
 Dependency	Source -> Destination
From:	Path Details Message Status Booked Processing started : Synchronization, Public
To:	PathDetails Message Status booked : Trigger, Public

RU

ActivityPartition in package 'Handbook-Planning'

RU
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 18.06.2013

ELEMENTS OWNED BY RU
 check offered path details : Activity
 check offered path details : Activity
 check offered path details : Activity
 provide data in object train : Activity
 provide data in object train : Activity
 update object Train : Activity
 update object Train : Activity
 Actor1 : Actor
 Train (Plan) : Object
 End of PR process : ActivityFinal
 manually triggered : ActivityInitial
 CaseReference : Object
 Train Y (Plan) : Object

CONNECTORS
 Dependency Source -> Destination From: RU : ActivityPartition, Public To: RU : ActivityPartition, Public
 Dependency Source -> Destination From: RU : ActivityPartition, Public To: RU : ActivityPartition, Public

check offered path details

Activity owned by 'RU', in package 'Handbook-Planning'

check offered path details
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 30.05.2013. Last modified 30.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from check offered path details to Path Details refused Processing started Guard: PD refused</p>
<p>⇐ ControlFlow from check offered path details to Path Confirmed Processing started Guard: Path confirmed</p>
<p>⇐ ControlFlow from check offered path details to Path Request Message Status Deletion Processing started Guard: PR deletion</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from synchronize actions to check offered path details</p>
<p>⇒ ControlFlow from synchronize actions to check offered path details</p>

check offered path details

Activity owned by 'RU', in package 'Handbook-Planning'

check offered path details
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 30.05.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from check offered path details to Path Confirmed Processing started Guard: Path confirmed</p>
<p>⇐ Information Flow from check offered path details to Train Y (Plan)</p>
<p>⇐ ControlFlow from check offered path details to Path Request Message Status Deletion Processing started Guard: PR deletion</p>
<p>⇐ ControlFlow from check offered path details to Path Details refused Processing started Guard: PD refused</p>

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from synchronize actions to check offered path details

check offered path details

Activity owned by 'RU', in package 'Handbook-Planning'

check offered path details
Version 1.0 Phase 1.0 Proposed
Hantak created on 30.05.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from check offered path details to Path Confirmed Processing started
Guard: Path confirmed

⇐ ControlFlow from check offered path details to Path Details refused Processing started
Guard: PD refused

⇐ Information Flow from check offered path details to Train (Plan)

⇐ ControlFlow from check offered path details to Path Request Message Status Deletion Processing started
Guard: PR deletion

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from synchronize actions to check offered path details

provide data in object train

Activity owned by 'RU', in package 'Handbook-Planning'

provide data in object train
Version 1.0 Phase 1.0 Proposed
Hantak created on 30.05.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Information Flow from provide data in object train to Train Y (Plan)

⇐ ControlFlow from provide data in object train to check Train-Path Link

⇐ Information Flow from provide data in object train to Train (OP)

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐⇒ ControlFlow from provide data in object train to Path Request processing started</p>
<p>⇐⇒ ControlFlow from provide data in object train to Path Request processing started</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒⇒ ControlFlow from manually triggered to provide data in object train</p>
<p>⇒⇒ ControlFlow from manually triggered to provide data in object train</p>
<p>⇒⇒ ControlFlow from Automatically triggered to provide data in object train Guard: Train ID known</p>
<p>⇒⇒ Information Flow from Train (Plan) to provide data in object train</p>

provide data in object train

Activity owned by 'RU', in package 'Handbook-Planning'

provide data in object train
Version 1.0 Phase 1.0 Proposed
Hantak created on 30.05.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐⇒ ControlFlow from provide data in object train to Path Request processing started</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒⇒ Information Flow from Train Y (Plan) to provide data in object train</p>
<p>⇒⇒ ControlFlow from manually triggered to provide data in object train</p>

update object Train

Activity owned by 'RU', in package 'Handbook-Planning'

update object Train
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 11.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐:: Information Flow from update object Train to Train (Plan)
⇐:: ControlFlow from update object Train to End of PR process

INCOMING BEHAVIORAL RELATIONSHIPS
⇒:: ControlFlow from synchronize actions to update object Train
⇒:: ControlFlow from synchronize actions to update object Train

update object Train

Activity owned by 'RU', in package 'Handbook-Planning'

update object Train
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐:: Information Flow from update object Train to Train Y (Plan)
⇐:: ControlFlow from update object Train to End of PR process

INCOMING BEHAVIORAL RELATIONSHIPS
⇒:: ControlFlow from synchronize actions to update object Train

Actor1

Actor owned by 'RU', in package 'Handbook-Planning'

Actor1
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.08.2014. Last modified 02.08.2014

Train (Plan)

Object owned by 'RU', in package 'Handbook-Planning'

Train (Plan)
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 10.06.2013

End of PR process

ActivityFinal owned by 'RU', in package 'Handbook-Planning'

INCOMING BEHAVIORAL RELATIONSHIPS
➡ ControlFlow from update object Train to End of PR process
➡ ControlFlow from update object Train to End of PR process

manually triggered

ActivityInitial owned by 'RU', in package 'Handbook-Planning'

OUTGOING BEHAVIORAL RELATIONSHIPS
⬅ ControlFlow from manually triggered to check Train Path Link
⬅ ControlFlow from manually triggered to provide data in object train
⬅ ControlFlow from manually triggered to provide data in object train
⬅ ControlFlow from manually triggered to provide data in object train

CaseReference

Object owned by 'RU', in package 'Handbook-Planning'

CaseReference
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.09.2013

ATTRIBUTES
<p>◆ CaseReferenceID : CompositIdentifierPlannedType Private</p> <p style="text-align: right;">[Is static True. Containment is Not Specified.]</p>
<p>◆ Name : String Private</p> <p style="text-align: right;">[Is static True. Containment is Not Specified.]</p>
<p>◆ Period_From : Date Private</p> <p style="text-align: right;">[Is static True. Containment is Not Specified.]</p>

ATTRIBUTES	
 Period_To : Date Private	[Is static True. Containment is Not Specified.]

Train Y (Plan)

Object owned by 'RU', in package 'Handbook-Planning'


















Train Y (Plan)
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 10.06.2013







RU-System

ActivityPartition in package 'Handbook-Planning'

RU-System
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 18.06.2013

ELEMENTS OWNED BY RU-System	
 c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o : Activity	
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity	
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity	
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity	
 c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o : Activity	
 c04-SendMessage-RU-IM -TR_m-PA_m-OTN_o : Activity	
 check Train-Path Link : Activity	
 CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH : Activity	
 LINK BETWEEN TRAIN AND PATH OBJECTS EXIST (NMESSAGE : Activity	


ELEMENTS OWNED BY RU-System
 LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
 LINK HAS BEEN REFUSED : Activity
 LINK NOT CONFIRMED : Activity
 provide Update Link Message content : Activity
 REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
 REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
 use related IDs : Activity
 use related IDs : Activity
 use related IDs : Activity
 use related IDs : Activity
 RU : Event
 RU : Event
 RU : Event
 Automatically triggered : ActivityInitial
 RU : Event
 RU : Event
 PathConfirmed Message : Trigger

ELEMENTS OWNED BY RU-System
 Path Details Refused Message : Trigger
 PathDetailsRefused Message : Trigger
 PathDetailsRefused Message : Trigger
 PathRequest Message : Trigger
 PathRequest Message Status Deletion : Trigger
 PathRequest Message Status Deletion : Trigger


c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o

Activity owned by 'RU-System', in package 'Handbook-Planning'

c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 21.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from PathRequest Message to c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o

CONNECTORS
 Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o : Activity, Public

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'RU-System', in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Path Details Refused Message to c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'RU-System', in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Path Confirmed Message to c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'RU-System', in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from PathRequest Message Status Deletion to c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o

Activity owned by 'RU-System', in package 'Handbook-Planning'

c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 21.05.2013. Last modified 06.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Path Confirmed Message to c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o

c04-SendMessage-RU-IM -TR_m-PA_m-OTN_o

Activity owned by 'RU-System', in package 'Handbook-Planning'

c04-SendMessage-RU-IM -TR_m-PA_m-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 21.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c04-SendMessage-RU-IM -TR_m-PA_m-OTN_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from PathSectionNotification Message (InfoType=UtilizationNotification) to c04-SendMessage-RU-IM -TR_m-PA_m-OTN_o

check Train-Path Link

Activity owned by 'RU-System', in package 'Handbook-Planning'

check Train-Path Link
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 12.06.2013. Last modified 12.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Information Flow from check Train-Path Link to Train (OP)

⇐ ControlFlow from check Train-Path Link to Utilisation Notification Processing started

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from process error message to check Train-Path Link

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from provide data in object train to check Train-Path Link</p>

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'RU-System', in package 'Handbook-Planning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.06.2013. Last modified 02.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from Path Confirmed Message to CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH</p>

LINK BETWEEN TRAIN AND PATH OBJECTS EXIST (NOMESSAGE

Activity owned by 'RU-System', in package 'Handbook-Planning'

LINK BETWEEN TRAIN AND PATH OBJECTS EXIST (NOMESSAGE
Version 1.0 Phase 1.0 Proposed
Hantak created on 30.05.2013. Last modified 31.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXIST (NOMESSAGE to synchronize actions</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from PathSectionNotification Message (InfoType=UtilizationNotification) to LINK BETWEEN TRAIN AND PATH OBJECTS EXIST (NOMESSAGE</p>

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'RU-System', in package 'Handbook-Planning'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)
Version 1.0 Phase 1.0 Proposed
Hantak created on 31.05.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇄ ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇄ Information Flow from PathSectionNotification Message (InfoType=UtilizationNotification) to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK HAS BEEN REFUSED

Activity owned by 'RU-System', in package 'Handbook-Planning'

LINK HAS BEEN REFUSED
Version 1.0 Phase 1.0 Proposed
Hantak created on 31.05.2013. Last modified 31.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇄ ControlFlow from LINK HAS BEEN REFUSED to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇄ Information Flow from PathRequest Message Status Deletion to LINK HAS BEEN REFUSED

LINK NOT CONFIRMED

Activity owned by 'RU-System', in package 'Handbook-Planning'

LINK NOT CONFIRMED
Version 1.0 Phase 1.0 Proposed
Hantak created on 31.05.2013. Last modified 31.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇄ ControlFlow from LINK NOT CONFIRMED to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇄ Information Flow from Path Details Refused Message to LINK NOT CONFIRMED

provide Update Link Message content

Activity owned by 'RU-System', in package 'Handbook-Planning'

provide Update Link Message content

Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 10.06.2013

REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'RU-System', in package 'Handbook-Planning'

REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH
Version 1.0 Phase 1.0 Proposed
Hantak created on 30.05.2013. Last modified 30.05.2013


OUTGOING BEHAVIORAL RELATIONSHIPS

⇄ ControlFlow from REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇄ ControlFlow from Path Request processing started to REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH

CONNECTORS

 **Dependency** Source -> Destination
From: PathRequest Message : Trigger, Public
To: REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity, Public

REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'RU-System', in package 'Handbook-Planning'

REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH
Version 1.0 Phase 1.0 Proposed
Hantak created on 30.05.2013. Last modified 06.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇄ ControlFlow from REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇄ Information Flow from PathRequest Message to REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH

REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH diagram

Activity diagram in package 'Handbook-Planning'

REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH
Version 1.0

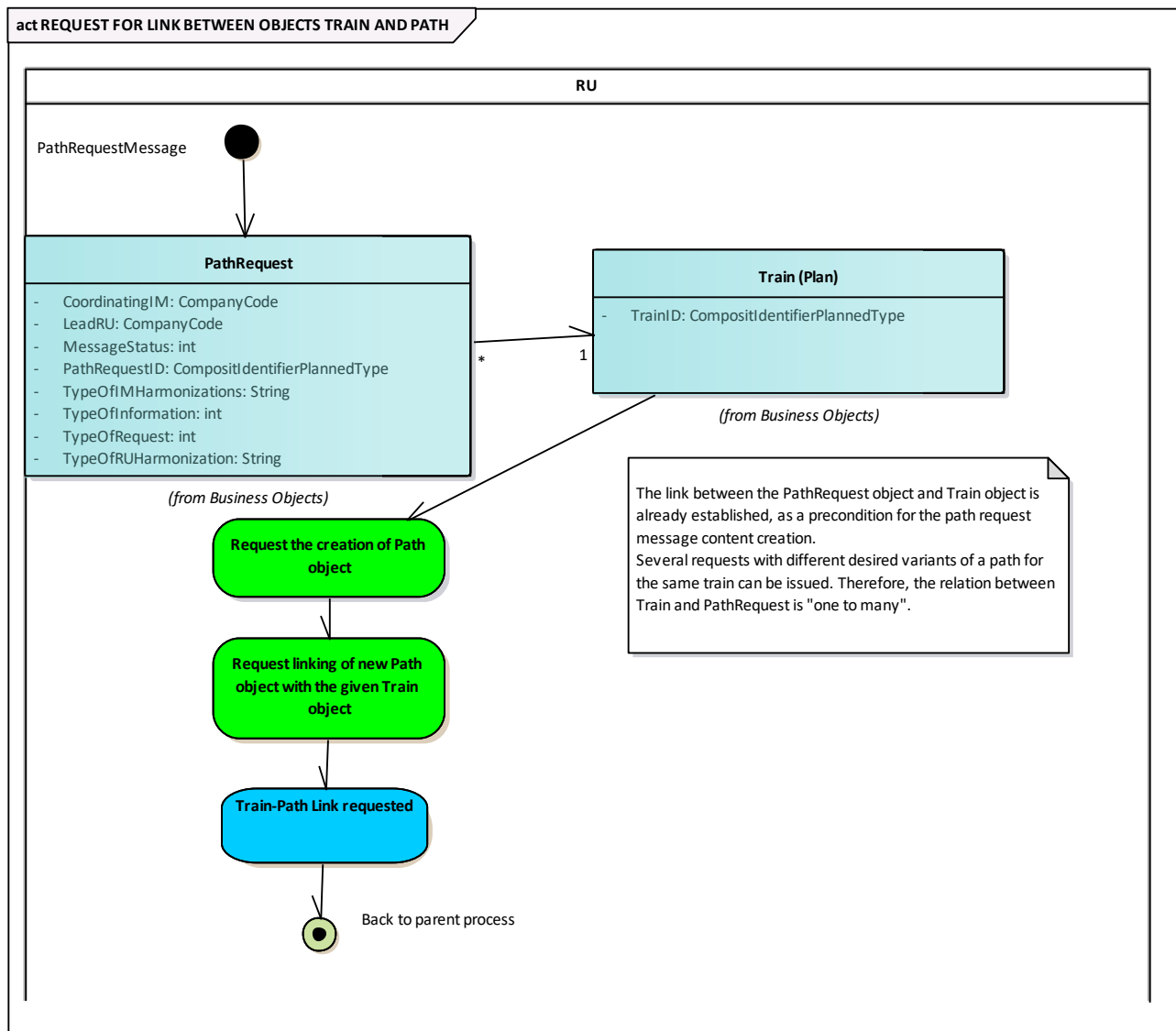


Figure 62: REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH

use related IDs

Activity owned by 'RU-System', in package 'Handbook-Planning'

use related IDs
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 12.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

Information Flow from use related IDs to PathRequest Message Status Deletion


INCOMING BEHAVIORAL RELATIONSHIPS


Information Flow from PathRequest Message Status Deletion to use related IDs

use related IDs

Activity owned by 'RU-System', in package 'Handbook-Planning'

use related IDs
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 12.06.2013


OUTGOING BEHAVIORAL RELATIONSHIPS
 Information Flow from use related IDs to PathConfirmed Message


INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from Path Confirmed Message to use related IDs

use related IDs

Activity owned by 'RU-System', in package 'Handbook-Planning'

use related IDs
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 12.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Information Flow from use related IDs to Path Details Refused Message

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from Path Details Refused Message to use related IDs

use related IDs

Activity owned by 'RU-System', in package 'Handbook-Planning'

use related IDs
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Information Flow from use related IDs to PathRequest Message

INCOMING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS


 Information Flow from PathRequest Message to use related IDs

RU

Event owned by 'RU-System', in package 'Handbook-Planning'

RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 30.05.2013

ELEMENTS OWNED BY RU

 use related IDs : Object

use related IDs

Object owned by 'RU', in package 'Handbook-Planning'

use related IDs
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 10.06.2013

RU

Event owned by 'RU-System', in package 'Handbook-Planning'


RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 06.06.2013

RU

Event owned by 'RU-System', in package 'Handbook-Planning'

RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 06.06.2013

CONNECTORS

 **Dependency** Source -> Destination
From: RU : Event, Public
To: synchronize actions : Synchronization, Public

Automatically triggered

ActivityInitial owned by 'RU-System', in package 'Handbook-Planning'

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⚡ ControlFlow from Automatically triggered to check Train Path Link Guard: Train ID known</p>
<p>⚡ ControlFlow from Automatically triggered to provide data in object train Guard: Train ID known</p>

RU

Event owned by 'RU-System', in package 'Handbook-Planning'

RU
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 06.06.2013

RU

Event owned by 'RU-System', in package 'Handbook-Planning'

RU
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 06.06.2013

PathConfirmed Message

Trigger owned by 'RU-System', in package 'Handbook-Planning'

PathConfirmed Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 06.06.2013

Path Details Refused Message

Trigger owned by 'RU-System', in package 'Handbook-Planning'

Path Details Refused Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 10.06.2013

CONNECTORS
<p>⚡ Dependency Source -> Destination</p> <p>From: Path Details refused Processing started : Synchronization, Public</p> <p>To: Path Details Refused Message : Trigger, Public</p>

PathDetailsRefused Message

Trigger owned by 'RU-System', in package 'Handbook-Planning'

PathDetailsRefused Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.02.2013. Last modified 06.06.2013

PathDetailsRefused Message


Trigger owned by 'RU-System', in package 'Handbook-Planning'

PathDetailsRefused Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.02.2013. Last modified 06.06.2013

PathRequest Message

Trigger owned by 'RU-System', in package 'Handbook-Planning'


PathRequest Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.02.2013. Last modified 06.06.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	Path Request processing started : Synchronization, Public
To:	PathRequest Message : Trigger, Public

PathRequest Message Status Deletion

Trigger owned by 'RU-System', in package 'Handbook-Planning'

PathRequest Message Status Deletion
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 06.06.2013


CONNECTORS	
 Dependency	Source -> Destination
From:	Path Request Message Status Deletion Processing started : Synchronization, Public
To:	PathRequest Message Status Deletion : Trigger, Public

PathRequest Message Status Deletion

Trigger owned by 'RU-System', in package 'Handbook-Planning'

PathRequest Message Status Deletion
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 06.06.2013

CONNECTORS

 **Dependency** Source -> Destination

From: Path Request Message Status Deletion Processing started : Synchronization, Public

To: PathRequest Message Status Deletion : Trigger, Public

Replanning

Package in package 'Business Use Cases'

Replanning
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 15.03.2013. Last modified 15.03.2013

Handbook-Replanning

Package in package 'Replanning'


Handbook-Replanning
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 18.03.2013

4.9 CHANGE OF TRAIN

UseCase in package 'Handbook-Replanning'

4.9 CHANGE OF TRAIN
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 18.08.2014

ELEMENTS OWNED BY 4.9 CHANGE OF TRAIN


 COT-Activity : Activity

OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from 4.9 CHANGE OF TRAIN to Replanning

[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination

From: Object : Object, Public

To: 4.9 CHANGE OF TRAIN : UseCase, Public






COT-Activity

Activity owned by '4.9 CHANGE OF TRAIN', in package 'Handbook-Replanning'

COT-Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 07.04.2013

ELEMENTS OWNED BY COT-Activity

 BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH : Activity

ELEMENTS OWNED BY COT-Activity
 c04-SendMessage-RU-IM -TR_m-PA_m-OTN_o : Activity
 c05-SendMessage-IM-RU -TR_m-PA_m-OTN_o : Activity
 c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity
 CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
 LINK TO BE CHECKED : Activity

4.9 ChangeofTrain Activity diagram

Activity diagram in package 'Handbook-Replanning'

4.9 ChangeofTrain Activity

Version 1.0

Hantak created on 02.04.2013. Last modified 22.11.2013

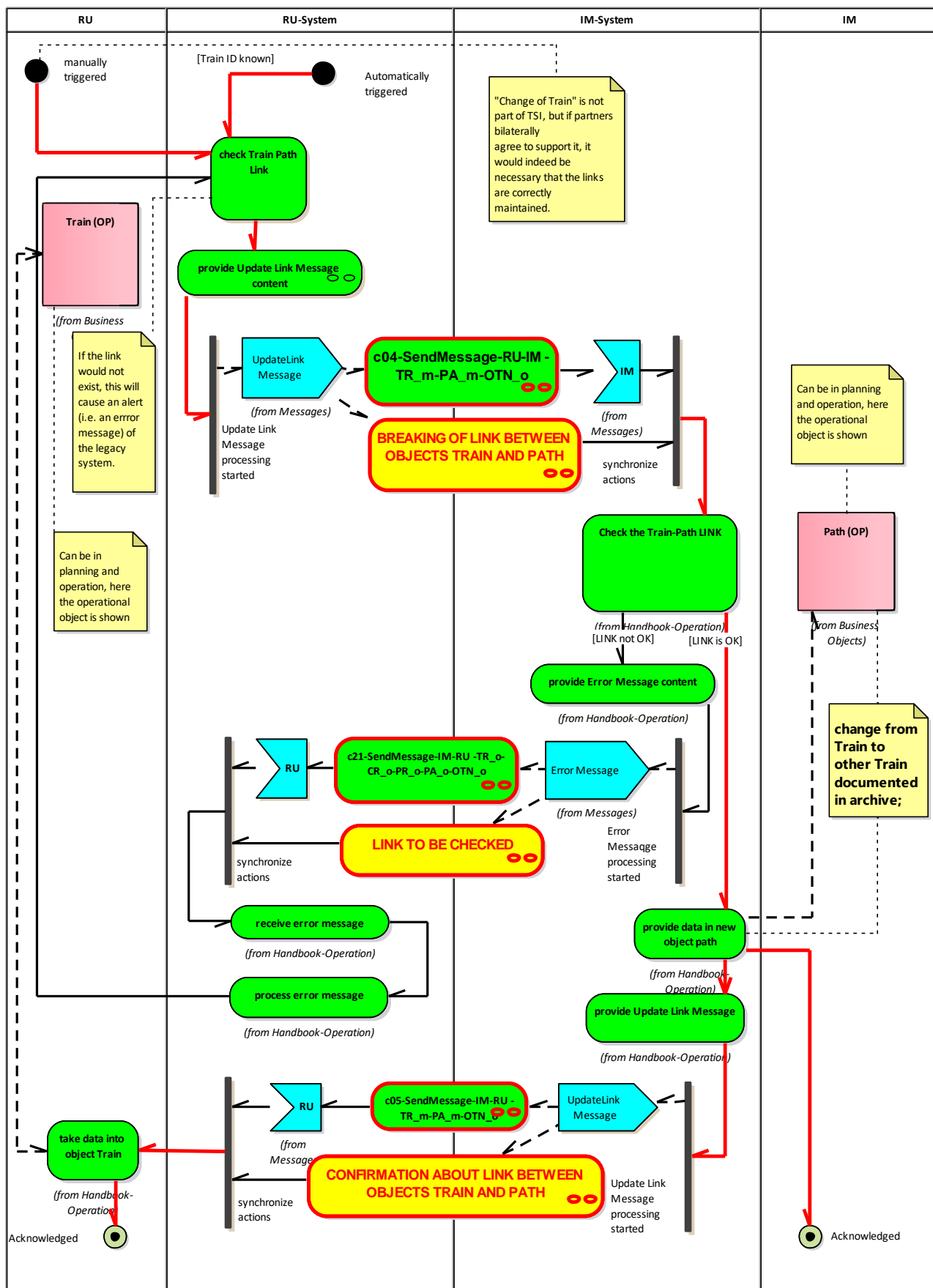


Figure 63: 4.9 ChangeofTrain Activity

Note

Note in package 'Handbook-Planning'

"Change of Train" is not part of TSI, but if partners bilaterally agree to support it, it would indeed be necessary that the links are correctly maintained.

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 18.11.2013. Last modified 18.11.2013
Extends

Automatically triggered

ActivityInitial owned by 'RU-System', in package 'Handbook-Planning'

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⚡ ControlFlow from Automatically triggered to check Train Path Link Guard: Train ID known</p>
<p>⚡ ControlFlow from Automatically triggered to provide data in object train Guard: Train ID known</p>

manually triggered

ActivityInitial owned by 'RU', in package 'Handbook-Planning'

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⚡ ControlFlow from manually triggered to check Train Path Link</p>
<p>⚡ ControlFlow from manually triggered to provide data in object train</p>
<p>⚡ ControlFlow from manually triggered to provide data in object train</p>
<p>⚡ ControlFlow from manually triggered to provide data in object train</p>

provide Update Link Message

Activity in package 'Handbook-Operation'

provide Update Link Message
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>ControlFlow from provide Update Link Message to Update Link Message processing started</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>ControlFlow from provide data in new object path to provide Update Link Message</p>

process error message

Activity owned by 'RU-System', in package 'Handbook-Operation'

process error message
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>ControlFlow from process error message to check Train-Path Link</p>
<p>ControlFlow from process error message to check Train Path Link</p>
<p>ControlFlow from process error message to Check the Train-Path Link</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>ControlFlow from receive error message to process error message</p>
<p>ControlFlow from receive error message to process error message</p>

receive error message

Activity owned by 'RU-System', in package 'Handbook-Operation'

receive error message
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>ControlFlow from receive error message to process error message</p>
<p>ControlFlow from receive error message to process error message</p>

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from receive error message to Process error message

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from synchronize actions to receive error message
⇒ ControlFlow from synchronize actions to receive error message
⇒ ControlFlow from synchronize actions to receive error message
⇒ ControlFlow from synchronize actions to receive error message
⇒ ControlFlow from synchronize actions to receive error message
⇒ ControlFlow from synchronize actions to receive error message
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⇒ ControlFlow from synchronize actions to receive error message
⇒ ControlFlow from synchronize actions to receive error message
⇒ ControlFlow from synchronize actions to receive error message
⇒ ControlFlow from synchronize actions to receive error message

Acknowledged

ActivityFinal owned by 'IM', in package 'Handbook-Operation'

INCOMING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from take details into data to Acknowledged
⇒ ControlFlow from take data into object Train to Acknowledged
⇒ ControlFlow from take info into object train to Acknowledged
⇒ ControlFlow from take data into object Train to Acknowledged
⇒ ControlFlow from take data into object Train to Acknowledged
⇒ Object Flow from ObjectNode6 to Acknowledged

provide Error Message content

Activity owned by 'IM-System', in package 'Handbook-Operation'

provide Error Message content
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from provide Error Message content to Error Message processing started
⇐ ControlFlow from provide Error Message content to Error Message processing started
⇐ ControlFlow from provide Error Message content to Error Message processing started
⇐ ControlFlow from provide Error Message content to Error Message processing started
⇐ ControlFlow from provide Error Message content to Error Message processing started

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from Check the Train-Path LINK to provide Error Message content Guard: LINK not OK

Check the Train-Path LINK

Activity owned by 'IM-System', in package 'Handbook-Operation'

Check the Train-Path LINK
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 16.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⚡ ControlFlow from Check the Train-Path LINK to provide data in new object path Guard: LINK is OK</p>
<p>⚡ ControlFlow from Check the Train-Path LINK to provide Error Message content Guard: LINK not OK</p>
<p>⚡ ControlFlow from Check the Train-Path LINK to update object Path Guard: LINK is OK</p>
<p>⚡ ControlFlow from Check the Train-Path LINK to provide update link message content Guard: LINK is OK</p>
<p>⚡ ControlFlow from Check the Train-Path LINK to take data into object Train Guard: LINK is OK</p>
<p>⚡ ControlFlow from Check the Train-Path LINK to process Train Parking Message Guard: LINK is OK</p>
<p>⚡ ControlFlow from Check the Train-Path LINK to Provide Train Running Forecast Message content</p>
<p>⚡ ControlFlow from Check the Train-Path LINK to take data into object Train Guard: LINK is OK</p>
<p>⚡ ControlFlow from Check the Train-Path LINK to Provide TrainRunningForecast Message content</p>
<p>⚡ ControlFlow from Check the Train-Path LINK to Provide Update Information of the Object Message</p>
<p>⚡ ControlFlow from Check the Train-Path LINK to provide Error Message content Guard: LINK not OK</p>
<p>⚡ ControlFlow from Check the Train-Path LINK to Provide TrainForecastAtReportingLocation Message content</p>
<p>⚡ Object Flow from Check the Train-Path LINK to Provide TrainForecastAtReportingLocation Message content</p>
<p> </p>

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐:: ControlFlow from Check the Train-Path LINK to Provide TrainRunningForecast Message content</p>
<p>⇐:: Object Flow from Check the Train-Path LINK to Path (OP)</p>
<p>⇐:: Information Flow from Check the Train-Path LINK to Path (OP)</p>
<p>⇐:: Information Flow from Check the Train-Path LINK to Train (OP)</p>
<p>⇐:: ControlFlow from Check the Train-Path LINK to Provide TrainDelayPerformance Message content</p>
<p>⇐:: ControlFlow from Check the Train-Path LINK to Provide TrainRunningInformation Message content</p>
<p>⇐:: ControlFlow from Check the Train-Path LINK to take data into object Path Guard: LINK is OK</p>
<p>⇐:: Information Flow from Check the Train-Path LINK to Path (OP)</p>
<p>⇐:: Information Flow from Check the Train-Path LINK to Path (OP)</p>
<p>⇐:: ControlFlow from Check the Train-Path LINK to link train to already existing path Guard: LINK OK</p>
<p>⇐:: ControlFlow from Check the Train-Path LINK to Provide Train Delay Cause Message content</p>
<p>⇐:: ControlFlow from Check the Train-Path LINK to Provide Train Running Information Message content</p>
<p>⇐:: ControlFlow from Check the Train-Path LINK to provide Train Running Interrupted Message content</p>
<p>⇐:: Information Flow from Check the Train-Path LINK to Path (OP)</p>
<p>⇐:: ControlFlow from Check the Train-Path LINK to Provide Update Information of the Object Message</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒:: ControlFlow from synchronize actions to Check the Train-Path LINK</p>
<p> </p>

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from synchronize actions to Check the Train-Path LINK
⇒ ControlFlow from Process error message to Check the Train-Path LINK
⇒ ControlFlow from process TrainRunningInformation Message to Check the Train-Path LINK
⇒ ControlFlow from Process error message to Check the Train-Path LINK
⇒ ControlFlow from synchronize actions to Check the Train-Path LINK
⇒ ControlFlow from synchronize actions to Check the Train-Path LINK
⇒ ControlFlow from synchronize actions to Check the Train-Path LINK
⇒ ControlFlow from Process error message to Check the Train-Path LINK
⇒ Information Flow from Path (OP) to Check the Train-Path LINK
⇒ ControlFlow from Process error message to Check the Train-Path LINK
⇒ ControlFlow from synchronize actions to Check the Train-Path LINK
⇒ Information Flow from Path (OP) to Check the Train-Path LINK
⇒ ControlFlow from synchronize actions to Check the Train-Path LINK
⇒ ControlFlow from synchronize actions to Check the Train-Path LINK
⇒ ControlFlow from Manually triggered to Check the Train-Path LINK
⇒ ControlFlow from synchronize actions to Check the Train-Path LINK
⇒ ControlFlow from Automatically triggered to Check the Train-Path LINK Guard: Train ID known

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Process TrainRunningForecast Message to Check the Train-Path LINK</p>

provide data in new object path

Activity owned by 'RU', in package 'Handbook-Operation'

provide data in new object path
Version 1.0 Phase 1.0 Proposed
Hantak created on 30.05.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐⇒ ControlFlow from provide data in new object path to provide Update Link Message</p>
<p>⇐⇒ Information Flow from provide data in new object path to Path (OP)</p>
<p>⇐⇒ ControlFlow from provide data in new object path to Path Details processing started</p>
<p>⇐⇒ ControlFlow from provide data in new object path to Acknowledged</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Check the Train-Path LINK to provide data in new object path Guard: LINK is OK</p>
<p>⇒ ControlFlow from synchronize actions to provide data in new object path</p>

Acknowledged

ActivityFinal owned by 'RU', in package 'Handbook-Operation'

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from take data into object Train to Acknowledged</p>
<p>⇒ ControlFlow from provide data in new object path to Acknowledged</p>
<p>⇒ ControlFlow from take data into object Path to Acknowledged</p>
<p>⇒ ControlFlow from take data into object Train to Acknowledged</p>

take data into object Train

Activity owned by 'Train (OP)', in package 'Handbook-Operation'

take data into object Train
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
◀:: Information Flow from take data into object Train to Path (OP)
◀:: ControlFlow from take data into object Train to Acknowledged
◀:: ControlFlow from take data into object Train to ActivityFinal
◀:: Information Flow from take data into object Train to Train (OP)
◀:: ControlFlow from take data into object Train to Acknowledged
◀:: Information Flow from take data into object Train to Train (OP)

INCOMING BEHAVIORAL RELATIONSHIPS
⇒:: ControlFlow from synchronize actions to take data into object Train
⇒:: ControlFlow from Check the Train-Path LINK to take data into object Train Guard: LINK is OK
⇒:: ControlFlow from synchronize actions to take data into object Train
⇒:: ControlFlow from Check the Train-Path Link to take data into object Train Guard: LINK is OK

IM


Event in package 'Messages'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 15.03.2013

RU

Event in package 'Messages'

RU
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 15.03.2013








CONNECTORS
<p> Dependency Source -> Destination From: RU : Event, Public To: synchronize actions : Synchronization, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>









Error Message

Trigger in package 'Messages'

Error Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 21.05.2013

CONNECTORS
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>








CONNECTORS
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Receive error message : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: Error Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency AnswerNotPossible Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

CONNECTORS
<p> Dependency Source -> Destination From: Error Message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processed : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

UpdateLink Message

Trigger in package 'Messages'

UpdateLink Message
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 21.05.2013

CONNECTORS	
 Dependency Source -> Destination	
From:	UpdateLink Message : Trigger, Public
To:	c16-SendMessage-RU-IM -TR_m-PA_m-OTN_m : Activity, Public
 Dependency Source -> Destination	
From:	UpdateLink Message : Trigger, Public
To:	Canceled : State, Public
 Dependency Source -> Destination	
From:	Update Link Message processing started : Synchronization, Public
To:	UpdateLink Message : Trigger, Public
 Dependency Source -> Destination	
From:	Update Link Message and Path Cancellation Message processing started : Synchronization, Public
To:	UpdateLink Message : Trigger, Public
 Dependency Source -> Destination	
From:	Update Link Message Processing started : Synchronization, Public
To:	UpdateLink Message : Trigger, Public
 Dependency Source -> Destination	
From:	Train Shifting to existing path processing started : Synchronization, Public
To:	UpdateLink Message : Trigger, Public
 Dependency Source -> Destination	
From:	Update Link Message processing started : Synchronization, Public
To:	UpdateLink Message : Trigger, Public

Note

Note in package 'Business Objects'

Can be in planning and operation, here the operational object is shown

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 22.11.2013. Last modified 22.11.2013
Extends

Note

Note in package 'Business Objects'

Can be in planning and operation, here the operational object is shown




Note

Path (OP)


Object owned by 'Path (Overview)', in package 'Business Objects'

Path (OP)
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 28.06.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Path (OP) to Path (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Path (OP) : Object, Public To: Train Running Forecast Message : Trigger, Public	
 Dependency Source -> Destination From: Path (OP) : Object, Public To: Path : Object, Public	
 Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (OP) : Object, Public	

ATTRIBUTES	
 PathID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Path (OP) Cardinality: [1]	Target: Public (Object) PlannedJourenyLocation Cardinality: [*]

Train (OP)


Object owned by 'Train (Overview)', in package 'Business Objects'

Train (OP)

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Train (OP) to Train (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Train (OP) : Object, Public To: Train : Object, Public	

ATTRIBUTES	
 TrainID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Train (OP) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]

BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'COT-Activity', in package 'Handbook-Replanning'

OUTGOING BEHAVIORAL RELATIONSHIPS	
 ControlFlow from BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions	

INCOMING BEHAVIORAL RELATIONSHIPS	
 Information Flow from UpdateLink Message to BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH	

c04-SendMessage-RU-IM -TR_m-PA_m-OTN_o

Activity owned by 'COT-Activity', in package 'Handbook-Replanning'

c04-SendMessage-RU-IM -TR_m-PA_m-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 09.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c04-SendMessage-RU-IM -TR_m-PA_m-OTN_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from UpdateLink Message to c04-SendMessage-RU-IM -TR_m-PA_m-OTN_o

c05-SendMessage-IM-RU -TR_m-PA_m-OTN_o

Activity owned by 'COT-Activity', in package 'Handbook-Replanning'

c05-SendMessage-IM-RU -TR_m-PA_m-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 21.05.2013


OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c05-SendMessage-IM-RU -TR_m-PA_m-OTN_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from UpdateLink Message to c05-SendMessage-IM-RU -TR_m-PA_m-OTN_o

CONNECTORS

 **Dependency** Source -> Destination
From: UpdateLink Message : Trigger, Public
To: c05-SendMessage-IM-RU -TR_m-PA_m-OTN_o : Activity, Public

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

Activity owned by 'COT-Activity', in package 'Handbook-Replanning'

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS

Information Flow from Error Message to c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'COT-Activity', in package 'Handbook-Replanning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Version 1.0 Phase 1.0 Proposed

Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

Information Flow from UpdateLink Message to CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

LINK TO BE CHECKED

Activity owned by 'COT-Activity', in package 'Handbook-Replanning'

LINK TO BE CHECKED

Version 1.0 Phase 1.0 Proposed

Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from LINK TO BE CHECKED to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

Information Flow from Error Message to LINK TO BE CHECKED

4.10 PATH ALTERATION


UseCase in package 'Handbook-Replanning'


4.10 PATH ALTERATION

Version 1.0 Phase 1.0 Proposed

seid.maglajlic created on 18.03.2013. Last modified 07.04.2013

ELEMENTS OWNED BY 4.10 PATH ALTERATION
 PA- Activity : Activity









OUTGOING STRUCTURAL RELATIONSHIPS
 Generalization from 4.10 PATH ALTERATION to Replanning [Direction is 'Source -> Destination'.]





CONNECTORS
 Dependency Source -> Destination From: Object : Object, Public To: 4.10 PATH ALTERATION : UseCase, Public

PA- Activity

Activity owned by '4.10 PATH ALTERATION', in package 'Handbook-Replanning'

PA- Activity
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 18.03.2013. Last modified 07.04.2013

ELEMENTS OWNED BY PA- Activity
 c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o : Activity

ELEMENTS OWNED BY PA- Activity
 LINK NOT CONFIRMED : Activity
 IM : ActivityPartition
 RU : ActivityPartition
 RU : Event

4.10 PathAlteration Activity diagram

Activity diagram in package 'Handbook-Replanning'

4.10 PathAlteration Activity

Version 1.0

seid.magljic created on 18.03.2013. Last modified 18.11.2013

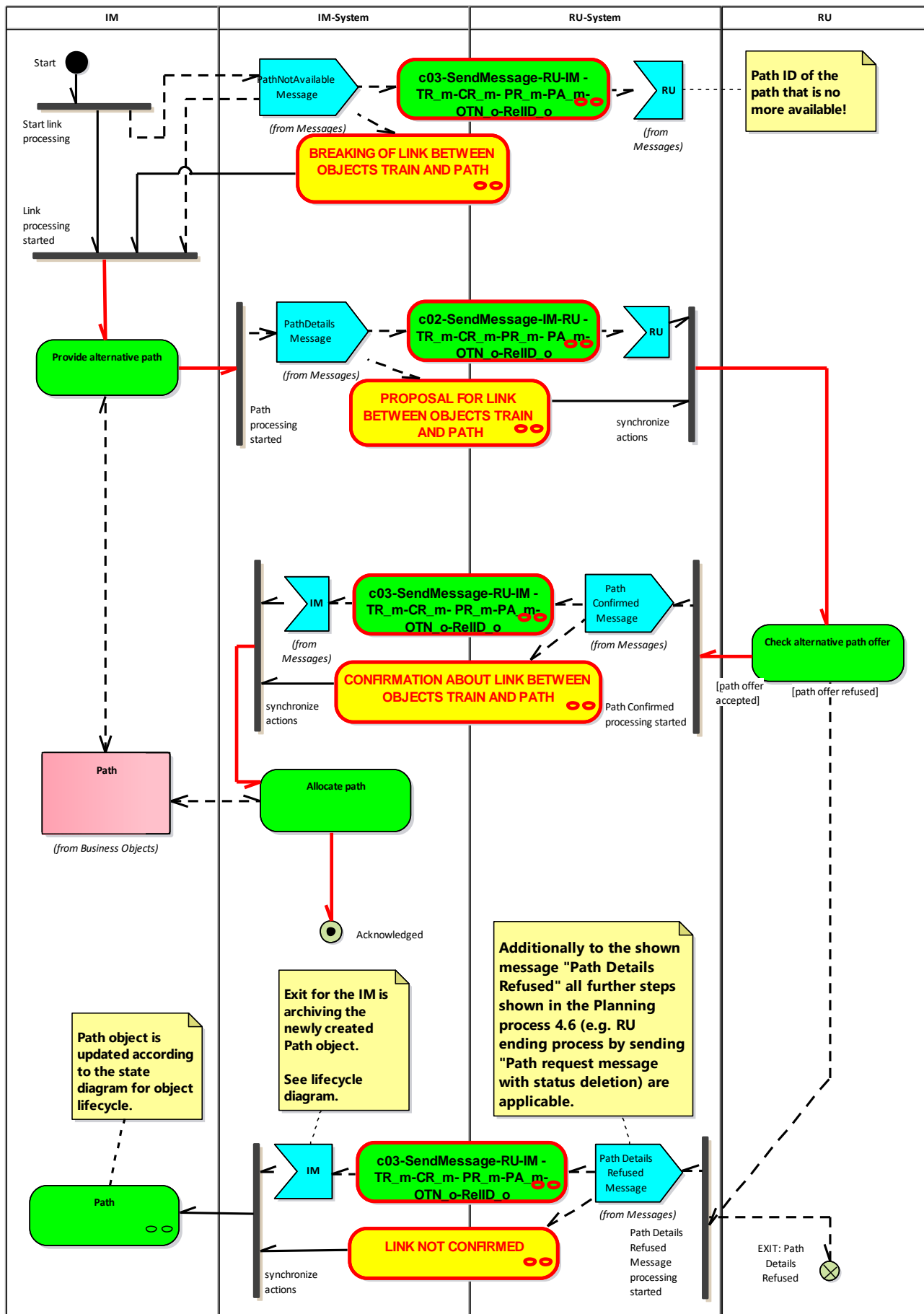



Figure 64: 4.10 PathAlteration Activity

EXIT: Path Details Refused

FlowFinal in package 'Handbook-Replanning'

CONNECTORS	
 Dependency	Source -> Destination
From:	Path Details Refused Message processing started : Synchronization, Public
To:	EXIT: Path Details Refused : FlowFinal, Public

Note

Note in package 'Messages'

Additionally to the shown message "Path Details Refused" all further steps shown in the Planning process 4.6 (e.g. RU ending process by sending "Path request message with status deletion) are applicable.

Note
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 18.09.2013. Last modified 18.09.2013
 Extends

IM



Event in package 'Messages'





IM
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.02.2013. Last modified 15.03.2013

RU

Event in package 'Messages'

RU
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.02.2013. Last modified 15.03.2013





CONNECTORS	
 Dependency	Source -> Destination
From:	RU : Event, Public
To:	synchronize actions : Synchronization, Public
 Dependency	PathRequestID Source -> Destination
From:	PathDetails Message : Trigger, Public
To:	RU : Event, Public





CONNECTORS
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>

Path Confirmed Message

Trigger in package 'Messages'

Path Confirmed Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 10.06.2013

CONNECTORS
<p> Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Accepted : State, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Accepted : State, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Path for the Train accepted : State, Public</p>
<p> Dependency [path offer accepted] Source -> Destination From: Check alternative path offer : Activity, Public To: Path Confirmed Message : Trigger, Public</p>





CONNECTORS	
 Dependency Source -> Destination	
From:	Path Confirmed processing started : Synchronization, Public
To:	Path Confirmed Message : Trigger, Public
 Dependency Source -> Destination	
From:	Path Confirmed Processing started : Synchronization, Public
To:	Path Confirmed Message : Trigger, Public
 Dependency Source -> Destination	
From:	Path Confirmed Processing started : Synchronization, Public
To:	Path Confirmed Message : Trigger, Public
 Dependency Source -> Destination	
From:	Planned : State, Public
To:	Path Confirmed Message : Trigger, Public











PathDetails Message



Trigger in package 'Messages'

c02 diagram contains the identifier processing of this message

PathDetails Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 05.06.2013

CONNECTORS	
 Dependency Source -> Destination	
From:	PathDetails Message : Trigger, Public
To:	Finally offered : State, Public
 Dependency PathRequestID Source -> Destination	
From:	PathDetails Message : Trigger, Public
To:	RU : Event, Public
 Dependency TrainID Source -> Destination	
From:	PathDetails Message : Trigger, Public
To:	RU : Event, Public
 Dependency Source -> Destination	
From:	PathDetails Message : Trigger, Public
To:	Offered : State, Public






CONNECTORS
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Adapted : State, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Drafted : State, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: SendMessageIM-RU-TR-PA-RelID : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Path for the Train offered : State, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Source -> Destination From: Path processing started : Synchronization, Public To: PathDetails Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Link the Train object to Path object by IM : Action, Public To: PathDetails Message : Trigger, Public</p>

CONNECTORS
<p> Dependency Source -> Destination From: Provide alternative path : Activity, Public To: PathDetails Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Details processing started : Synchronization, Public To: PathDetails Message : Trigger, Public</p>

Path Details Refused Message

Trigger in package 'Messages'








Path Details Refused Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 10.06.2013

CONNECTORS
<p> Dependency Source -> Destination From: Path Details Refused Message : Trigger, Public To: Refused by RU : State, Public</p>
<p> Dependency Source -> Destination From: Path Details Refused Message : Trigger, Public To: Rejected by RU : State, Public</p>
<p> Dependency Source -> Destination From: Path Details Refused Message processing started : Synchronization, Public To: Path Details Refused Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Details refused Processing started : Synchronization, Public To: Path Details Refused Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Details refused Processing started : Synchronization, Public To: Path Details Refused Message : Trigger, Public</p>

PathNotAvailable Message

Trigger in package 'Messages'

PathNotAvailable Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 21.05.2013

CONNECTORS
<p> Dependency Source -> Destination From: PathNotAvailable Message : Trigger, Public To: EntryPoint: Path Alteration Process : EntryPoint, Public</p>
<p> Dependency Source -> Destination From: PathNotAvailable Message : Trigger, Public To: BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH : Activity, Public</p>
<p> Dependency Source -> Destination From: PathNotAvailable Message : Trigger, Public To: Link processing started : Synchronization, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path Alteration Process Source -> Destination From: Booked : State, Public To: PathNotAvailable Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Start link processing : Synchronization, Public To: PathNotAvailable Message : Trigger, Public</p>


Path

Object in package 'Business Objects'

Path
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 14.06.2013. Last modified 14.06.2013

CONNECTORS
<p> Dependency Source -> Destination From: Path (Plan) : Object, Public To: Path : Object, Public</p>

CONNECTORS

 **Dependency** Source -> Destination
 From: Path (OP) : Object, Public
 To: Path : Object, Public

ATTRIBUTES

 JourneyLocations : PlannedJourneyLocation Protected [Is static True. Containment is Not Specified.]

 PathParameters : PlannedTrainParameters Protected [Is static True. Containment is Not Specified.]

ASSOCIATIONS

 Association (direction: Unspecified)
 Source: Public (Object) Path (Overview) Target: Public (Object) Path

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o

Activity owned by 'PA- Activity', in package 'Handbook-Replanning'


c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 27.05.2013. Last modified 27.05.2013

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o


Activity owned by 'PA- Activity', in package 'Handbook-Replanning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 29.05.2013. Last modified 09.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

 Information Flow from c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS

 Information Flow from PathDetails Message to c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PA- Activity', in package 'Handbook-Replanning'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 27.05.2013. Last modified 27.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Information Flow from c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from PathDetails Message to c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PA- Activity', in package 'Handbook-Replanning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.09.2013. Last modified 09.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Information Flow from c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from PathNotAvailable Message to c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PA- Activity', in package 'Handbook-Replanning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 29.05.2013. Last modified 09.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Information Flow from c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Path Confirmed Message to c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-

INCOMING BEHAVIORAL RELATIONSHIPS

RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PA- Activity', in package 'Handbook-Replanning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 29.05.2013. Last modified 09.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇄ Information Flow from c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇄ Information Flow from Path Details Refused Message to c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PA- Activity', in package 'Handbook-Replanning'

c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 27.05.2013. Last modified 27.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇄ Information Flow from c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇄ Information Flow from Path Confirmed Message to c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PA- Activity', in package 'Handbook-Replanning'

c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 27.05.2013. Last modified 27.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇄ Information Flow from c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o to IM

OUTGOING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡ Information Flow from Path Details Refused Message to c03-SendMessage-RU-IM -TR_m-CR_m-PR_m-PA_m-OTN_o-RelID_o</p>

LINK NOT CONFIRMED

Activity owned by 'PA- Activity', in package 'Handbook-Replanning'

LINK NOT CONFIRMED
Version 1.0 Phase 1.0 Proposed
Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>➡ ControlFlow from LINK NOT CONFIRMED to synchronize actions</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡ Information Flow from Path Details Refused Message to LINK NOT CONFIRMED</p>

IM

ActivityPartition owned by 'PA- Activity', in package 'Handbook-Replanning'

IM
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.03.2013. Last modified 18.03.2013

ELEMENTS OWNED BY IM
<p>📄 Allocate path : Activity</p>
<p>📄 Provide alternative path : Activity</p>

Allocate path

Activity owned by 'IM', in package 'Handbook-Replanning'

Allocate path
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.03.2013. Last modified 09.04.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐:: ControlFlow from Allocate path to Acknowledged
⇐:: ControlFlow from Allocate path to Acknowledged
Name: [after switch from pl. to op.] ⇐:: Information Flow from Allocate path to Path (OP)
⇐:: Information Flow from Allocate path to Path

INCOMING BEHAVIORAL RELATIONSHIPS
⇒:: ControlFlow from CONFIRMATION OF LINK to Allocate path
⇒:: ControlFlow from synchronize actions to Allocate path
⇒:: ControlFlow from CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH to Allocate path

Provide alternative path

Activity owned by 'IM', in package 'Handbook-Replanning'

Provide alternative path
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.03.2013. Last modified 18.03.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐:: Object Flow from Provide alternative path to Path (OP) Guard: after switch from planning to operation
⇐:: Information Flow from Provide alternative path to Path
⇐:: ControlFlow from Provide alternative path to Path processing started



INCOMING BEHAVIORAL RELATIONSHIPS
⇒:: ControlFlow from Link processing started to Provide alternative path

CONNECTORS	
 Dependency	Source -> Destination
From:	Provide alternative path : Activity, Public
To:	PathDetails Message : Trigger, Public

RU

ActivityPartition owned by 'PA- Activity', in package 'Handbook-Replanning'

RU
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.03.2013. Last modified 18.03.2013

ELEMENTS OWNED BY RU	
 Event1 : Event	
 Offer accepted : State	

Event1


Event owned by 'RU', in package 'Handbook-Replanning'

Event1
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.03.2013. Last modified 18.03.2013

Offer accepted

State owned by 'RU', in package 'Handbook-Replanning'

Offer accepted
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.03.2013. Last modified 18.03.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	Check alternative path offer : Activity, Public
To:	Offer accepted : State, Public

RU

Event owned by 'PA- Activity', in package 'Handbook-Replanning'


RU
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.03.2013. Last modified 21.05.2013


4.11 PATH MODIFICATION

UseCase in package 'Handbook-Replanning'

4.11 PATH MODIFICATION
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 07.04.2013

ELEMENTS OWNED BY 4.11 PATH MODIFICATION
 PM-Activity : Activity






OUTGOING STRUCTURAL RELATIONSHIPS
 Generalization from 4.11 PATH MODIFICATION to Replanning [Direction is 'Source -> Destination'.]

CONNECTORS
 Dependency Source -> Destination From: Object : Object, Public To: 4.11 PATH MODIFICATION : UseCase, Public

PM-Activity

Activity owned by '4.11 PATH MODIFICATION', in package 'Handbook-Replanning'

PM-Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 07.04.2013

ELEMENTS OWNED BY PM-Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o : Activity
 c06-SendMessage- RU-IM -TR_m-CR_m-PR_m- PA_m(old)-OTN_o-RelID_o : Activity
 ActivityFinal : ActivityFinal
 REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
 PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity

ELEMENTS OWNED BY PM-Activity
☰ CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
☰ LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
☰ c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o : Activity
☰ c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o : Activity
☰ c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o : Activity
☰ c03-SendMessage- RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
☰ c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
☰ c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
☰ End of Path Request - NO PATH BOOKED : ActivityFinal

4.11 PathModification Activity diagram

Activity diagram in package 'Handbook-Replanning'

4.11 PathModification Activity

Version 1.0

Hantak created on 02.04.2013. Last modified 18.11.2013

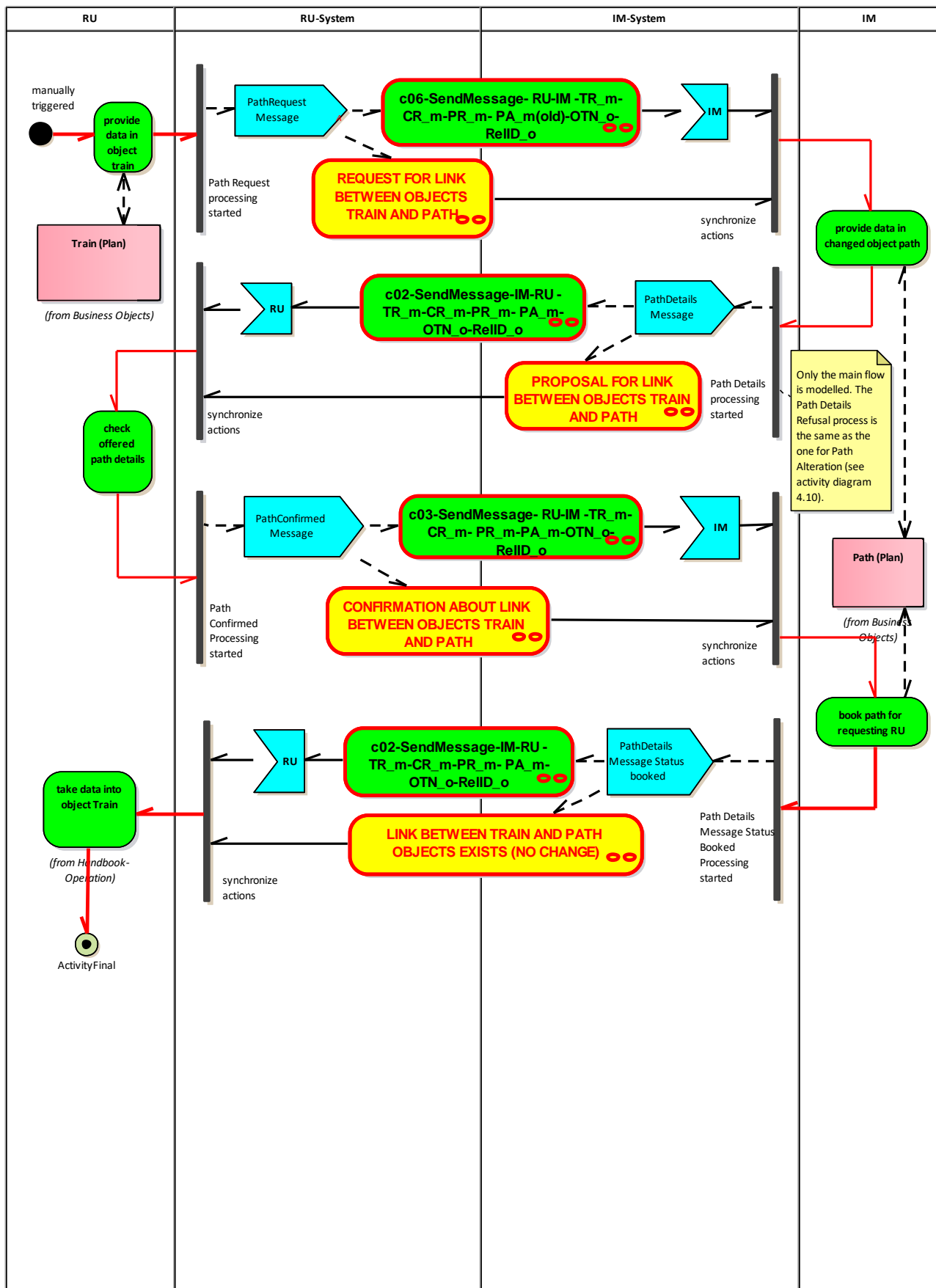


Figure 65: 4.11 PathModification Activity

take data into object Train

Activity owned by 'Train (OP)', in package 'Handbook-Operation'

take data into object Train
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.03.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ Information Flow from take data into object Train to Path (OP)
⇐ ControlFlow from take data into object Train to Acknowledged
⇐ ControlFlow from take data into object Train to ActivityFinal
⇐ Information Flow from take data into object Train to Train (OP)
⇐ ControlFlow from take data into object Train to Acknowledged
⇐ Information Flow from take data into object Train to Train (OP)




INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from synchronize actions to take data into object Train
⇒ ControlFlow from Check the Train-Path LINK to take data into object Train Guard: LINK is OK
⇒ ControlFlow from synchronize actions to take data into object Train
⇒ ControlFlow from Check the Train-Path Link to take data into object Train Guard: LINK is OK

Path (Plan)



Object owned by 'Path (Overview)', in package 'Business Objects'

Path (Plan)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS
⇒ Aggregation from Path (OP) to Path (Plan)
[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination	
From: Path (Plan) : Object, Public	
To: Path : Object, Public	
 Dependency Source -> Destination	
From: synchronize actions : Synchronization, Public	
To: Path (Plan) : Object, Public	
 Dependency Source -> Destination	
From: OperationalTrainNumber (OTN) : Artifact, Public	
To: Path (Plan) : Object, Public	

ATTRIBUTES	
 PathID : CompositIdentifierPlanningType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Path (Plan) Cardinality: [1]	Target: Public (Object) PathInformation Cardinality: [1]
 Association (direction: Source -> Destination)	
Source: Public (Object) Path (Plan) Cardinality: [*]	Target: Public (Object) CaseReference Cardinality: [1]
 Association (direction: Unspecified)	
Source: Public (Object) Dossier Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]
 Association (direction: Unspecified)	
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]

Train (Plan)

Object owned by 'Train (Overview)', in package 'Business Objects'

INCOMING STRUCTURAL RELATIONSHIPS

➔ Aggregation from Train (OP) to Train (Plan)

[Direction is 'Source -> Destination'.]

CONNECTORS

➔ **Dependency** Source -> Destination

From: Train (Plan) : Object, Public

To: Train : Object, Public

ATTRIBUTES

◆ TrainID : CompositIdentifierPlannedType Private

[Is static True. Containment is Not Specified.]

ASSOCIATIONS

➔ Association (direction: Source -> Destination)

Source: Public (Object) Train (Plan)
Cardinality: [1]

Target: Public (Object) TrainInformation
Cardinality: [1]

➔ Association (direction: Destination -> Source)

Source: Public (Object) Train (Plan)
Cardinality: [1]

Target: Public (Object) PathRequest
Cardinality: [*]

➔ Association (direction: Unspecified)

Source: Public (Object) Train (Plan)
Cardinality: [1]

Target: Public (Object) Path (Plan)
Cardinality: [*]

➔ Association (direction: Unspecified)

Source: Public (Object) Train (Plan)
Cardinality: [*]

Target: Public (Object) CaseReference
Cardinality: [1]

➔ Association (direction: Unspecified)

Source: Public (Object) Train (Plan)
Cardinality: [*]

Target: Public (Object) Dossier
Cardinality: [1]

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o*Activity owned by 'PM-Activity', in package 'Handbook-Replanning'*

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.09.2013. Last modified 09.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐⇒ ControlFlow from c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from PathDetails Message to c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

c06-SendMessage- RU-IM -TR_m-CR_m-PR_m- PA_m(old)-OTN_o-RelID_o*Activity owned by 'PM-Activity', in package 'Handbook-Replanning'*

c06-SendMessage- RU-IM -TR_m-CR_m-PR_m- PA_m(old)-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 28.06.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐⇒ ControlFlow from c06-SendMessage- RU-IM -TR_m-CR_m-PR_m- PA_m(old)-OTN_o-RelID_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from PathRequest Message to c06-SendMessage- RU-IM -TR_m-CR_m-PR_m- PA_m(old)-OTN_o-RelID_o

ActivityFinal*ActivityFinal owned by 'PM-Activity', in package 'Handbook-Replanning'***REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH***Activity owned by 'PM-Activity', in package 'Handbook-Replanning'*

REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 30.05.2013. Last modified 08.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from PathRequest Message to REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH</p>

REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH diagram

Activity diagram in package 'Handbook-Replanning'

REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0
 km created on 08.06.2013. Last modified 08.06.2013

Figure 66: REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'PM-Activity', in package 'Handbook-Replanning'

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 30.05.2013. Last modified 08.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from PathDetails Message to PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH</p>

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH diagram

Activity diagram in package 'Handbook-Replanning'

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0
 km created on 08.06.2013. Last modified 08.06.2013

Figure 67: PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH


CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH


Activity owned by 'PM-Activity', in package 'Handbook-Replanning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Version 1.0 Phase 1.0 Proposed

Hantak created on 02.06.2013. Last modified 08.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from PathConfirmed Message to CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH diagram

Activity diagram in package 'Handbook-Replanning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Version 1.0

km created on 08.06.2013. Last modified 08.06.2013

Figure 68: CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'PM-Activity', in package 'Handbook-Replanning'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0 Phase 1.0 Proposed

Hantak created on 04.06.2013. Last modified 08.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from PathDetails Message Status booked to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) diagram

Activity diagram in package 'Handbook-Replanning'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)
Version 1.0
km created on 08.06.2013. Last modified 08.06.2013

Figure 69: LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o

Activity owned by 'PM-Activity', in package 'Handbook-Replanning'

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 08.06.2013

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o diagram

Activity diagram in package 'Handbook-Replanning'

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o
Version 1.0
km created on 08.06.2013. Last modified 08.06.2013

Figure 70: c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o*Activity owned by 'PM-Activity', in package 'Handbook-Replanning'*

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 09.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS

Information Flow from PathDetails Message Status booked to c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o diagram*Activity diagram in package 'Handbook-Replanning'*

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o
 Version 1.0
 km created on 08.06.2013. Last modified 08.06.2013

Figure 71: c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o*Activity owned by 'PM-Activity', in package 'Handbook-Replanning'*

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 21.05.2013. Last modified 08.06.2013

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o diagram*Activity diagram in package 'Handbook-Replanning'*

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o
 Version 1.0
 km created on 08.06.2013. Last modified 08.06.2013

Figure 72: c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o

c03-SendMessage- RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PM-Activity', in package 'Handbook-Replanning'

c03-SendMessage- RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>➡ ControlFlow from c03-SendMessage- RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o to IM</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡ Information Flow from PathConfirmed Message to c03-SendMessage- RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o</p>

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o diagram

Activity diagram in package 'Handbook-Replanning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0
 km created on 08.06.2013. Last modified 08.06.2013

Figure 73: c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PM-Activity', in package 'Handbook-Replanning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 31.05.2013. Last modified 08.06.2013

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o diagram

Activity diagram in package 'Handbook-Replanning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
Version 1.0
km created on 08.06.2013. Last modified 08.06.2013

Figure 74: c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'PM-Activity', in package 'Handbook-Replanning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 31.05.2013. Last modified 08.06.2013

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o diagram

Activity diagram in package 'Handbook-Replanning'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
Version 1.0
km created on 08.06.2013. Last modified 08.06.2013

Figure 75: c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

End of Path Request - NO PATH BOOKED


ActivityFinal owned by 'PM-Activity', in package 'Handbook-Replanning'

4.12 TRAIN MODIFICATION

UseCase in package 'Handbook-Replanning'

4.12 TRAIN MODIFICATION
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.03.2013. Last modified 07.04.2013

ELEMENTS OWNED BY 4.12 TRAIN MODIFICATION


 TM-Activity : Activity

OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from 4.12 TRAIN MODIFICATION to Replanning

[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination

From: Object : Object, Public


To: 4.12 TRAIN MODIFICATION : UseCase, Public

TM-Activity

Activity owned by '4.12 TRAIN MODIFICATION', in package 'Handbook-Replanning'

TM-Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 07.04.2013

ELEMENTS OWNED BY TM-Activity

 Train (Plan) : Object

4.12 TrainModification Activity diagram

Activity diagram in package 'Handbook-Replanning'

4.12 TrainModification Activity
Version 1.0
Hantak created on 02.04.2013. Last modified 26.10.2014

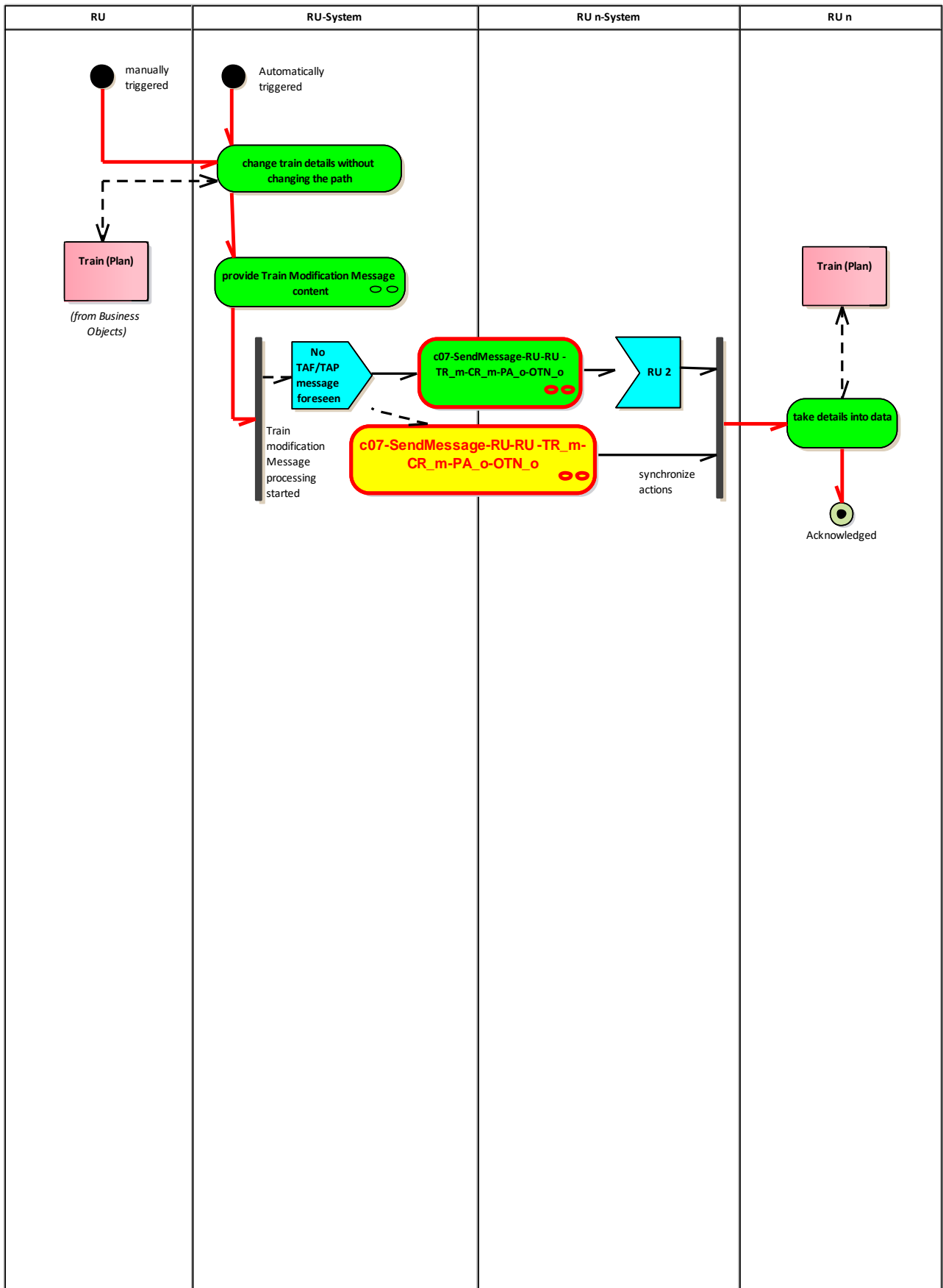


Figure 76: 4.12 TrainModification Activity

Acknowledged

ActivityFinal owned by 'IM', in package 'Handbook-Operation'

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from take details into data to Acknowledged
⇒ ControlFlow from take data into object Train to Acknowledged
⇒ ControlFlow from take info into object train to Acknowledged
⇒ ControlFlow from take data into object Train to Acknowledged
⇒ ControlFlow from take data into object Train to Acknowledged
⇒ Object Flow from ObjectNode6 to Acknowledged

Train (Plan)

Object owned by 'Train (Overview)', in package 'Business Objects'





Train (Plan)
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS
⇒ Aggregation from Train (OP) to Train (Plan) [Direction is 'Source -> Destination'.]

CONNECTORS
 Dependency Source -> Destination From: Train (Plan) : Object, Public To: Train : Object, Public

ATTRIBUTES
 TrainID : CompositIdentifierPlannedType Private [Is static True. Containment is Not Specified.]

ASSOCIATIONS
 Association (direction: Source -> Destination) Source: Public (Object) Train (Plan) Target: Public (Object) TrainInformation

ASSOCIATIONS	
Cardinality: [1]	Cardinality: [1]
<p> Association (direction: Destination -> Source)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) PathRequest Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) Path (Plan) Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) CaseReference Cardinality: [1]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) Dossier Cardinality: [1]</p>

Train (Plan)

Object owned by 'TM-Activity', in package 'Handbook-Replanning'

Train (Plan)
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 10.06.2013

ATTRIBUTES	
<p> Calendar : PlannedCalendar Private</p>	[Is static True. Containment is Not Specified.]
<p> JourneyLocations : PlannedJourneyLocation Private</p>	[Is static True. Containment is Not Specified.]
<p> ReferenceLocation : LocationIdent Private</p>	[Is static True. Containment is Not Specified.]
<p> TrainID : CompositIdentifierPlannedType Private</p>	[Is static True. Containment is Not Specified.]

ATTRIBUTES

Path Cancellation*UseCase in package 'Handbook-Replanning'*

Path Cancellation
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 18.03.2013

OUTGOING STRUCTURAL RELATIONSHIPS
<p>← Generalization from Path Cancellation to Replanning</p> <p style="text-align: right;">[Direction is 'Source -> Destination'.]</p>

INCOMING STRUCTURAL RELATIONSHIPS
<p>⇒ Generalization from Path Cancellation from IM to Path Cancellation</p> <p style="text-align: right;">[Direction is 'Source -> Destination'.]</p>

CONNECTORS
<p>↗ Dependency Source -> Destination</p> <p>From: Object : Object, Public</p> <p>To: Path Cancellation : UseCase, Public</p>

Path Cancellation from IM*UseCase in package 'Handbook-Replanning'*

Path Cancellation from IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 18.03.2013

OUTGOING STRUCTURAL RELATIONSHIPS
<p>← Generalization from Path Cancellation from IM to Path Cancellation</p> <p style="text-align: right;">[Direction is 'Source -> Destination'.]</p>

CONNECTORS
<p>↗ Dependency Source -> Destination</p> <p>From: Object : Object, Public</p> <p>To: Path Cancellation from IM : UseCase, Public</p>

Replanning

UseCase in package 'Handbook-Replanning'



Replanning
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 18.03.2013

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from 4.12 TRAIN MODIFICATION to Replanning	[Direction is 'Source -> Destination'.]
⇒ Generalization from Path Cancelation to Replanning	[Direction is 'Source -> Destination'.]
⇒ Generalization from 4.11 PATH MODIFICATION to Replanning	[Direction is 'Source -> Destination'.]
⇒ Generalization from 4.10 PATH ALTERATION to Replanning	[Direction is 'Source -> Destination'.]
⇒ Generalization from 4.9 CHANGE OF TRAIN to Replanning	[Direction is 'Source -> Destination'.]

Object

Object «business actor» in package 'Handbook-Replanning'





Object
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 18.03.2013

CONNECTORS	
 Dependency Source -> Destination From: Object : Object, Public To: Path Cancelation from IM : UseCase, Public	
 Dependency Source -> Destination From: Object : Object, Public To: 4.10 PATH ALTERATION : UseCase, Public	

Object


Object «business actor» in package 'Handbook-Replanning'


Object


CONNECTORS
<p> Dependency Source -> Destination From: Object : Object, Public To: 4.12 TRAIN MODIFICATION : UseCase, Public</p>
<p> Dependency Source -> Destination From: Object : Object, Public To: 4.11 PATH MODIFICATION : UseCase, Public</p>
<p> Dependency Source -> Destination From: Object : Object, Public To: Path Cancelation : UseCase, Public</p>
<p> Dependency Source -> Destination From: Object : Object, Public To: 4.9 CHANGE OF TRAIN : UseCase, Public</p>

Check alternative path offer


Activity in package 'Handbook-Replanning'


OUTGOING BEHAVIORAL RELATIONSHIPS
<p> ControlFlow from Check alternative path offer to Path Confirmed processing started Guard: path offer accepted</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p> ControlFlow from synchronize actions to Check alternative path offer</p>

CONNECTORS
<p> Dependency [path offer accepted] Source -> Destination From: Check alternative path offer : Activity, Public To: Path Confirmed Message : Trigger, Public</p>

CONNECTORS

 **Dependency** [path offer refused] Source -> Destination
 From: Check alternative path offer : Activity, Public
 To: Path Details Refused Message processing started : Synchronization, Public


 **Dependency** Source -> Destination
 From: Check alternative path offer : Activity, Public
 To: Offer accepted : State, Public

Path


Activity in package 'Handbook-Replanning'

Path
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 21.05.2013

INCOMING BEHAVIORAL RELATIONSHIPS

 ControlFlow from synchronize actions to Path

 Object Flow from Path (OP) to Path


 Object Flow from Path (Plan) to Path

SendMessageIM-RU-TR-PA-RelID


Activity in package 'Handbook-Replanning'

SendMessageIM-RU-TR-PA-RelID
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.04.2013. Last modified 21.05.2013


OUTGOING BEHAVIORAL RELATIONSHIPS

 ControlFlow from SendMessageIM-RU-TR-PA-RelID to synchronize actions

CONNECTORS

 **Dependency** Source -> Destination
 From: SendMessageIM-RU-TR-PA-RelID : Activity, Public
 To: RU : Event, Public

CONNECTORS

 **Dependency** Source -> Destination
 From: PathDetails Message : Trigger, Public
 To: SendMessageIM-RU-TR-PA-RelID : Activity, Public

IM

Event in package 'Handbook-Replanning'

IM
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 21.05.2013

Message Info

Event in package 'Handbook-Replanning'


Message Info
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 21.05.2013. Last modified 21.05.2013

RU

Event in package 'Handbook-Replanning'

RU
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 21.05.2013


CONNECTORS

 **Dependency** Source -> Destination
 From: SendMessageIM-RU-TR-PA-RelID : Activity, Public
 To: RU : Event, Public

EXIT: Path Details Refused

FlowFinal in package 'Handbook-Replanning'

CONNECTORS

 **Dependency** Source -> Destination
 From: Path Details Refused Message processing started : Synchronization, Public
 To: EXIT: Path Details Refused : FlowFinal, Public




IM

ActivityPartition in package 'Handbook-Replanning'

IM

Version 1.0 Phase 1.0 Proposed

Hantak created on 20.05.2013. Last modified 20.05.2013



ELEMENTS OWNED BY IM
 book path for requesting RU : Activity
 provide data in changed object path : Activity
 replan data in new object path : Activity
 zz : Event
 zz : Event
 Path (Plan) : Object
 EXIT: Path Details Refused : FlowFinal


book path for requesting RU*Activity owned by 'IM', in package 'Handbook-Replanning'*

book path for requesting RU

Version 1.0 Phase 1.0 Proposed

Hantak created on 02.06.2013. Last modified 08.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Information Flow from book path for requesting RU to Path (Plan)
 ControlFlow from book path for requesting RU to Path Details Message Status Booked Processing started

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from synchronize actions to book path for requesting RU

provide data in changed object path*Activity owned by 'IM', in package 'Handbook-Replanning'*

provide data in changed object path
Version 1.0 Phase 1.0 Proposed
Hantak created on 30.05.2013. Last modified 08.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>➡ ControlFlow from provide data in changed object path to Path Details processing started</p>
<p>➡ Information Flow from provide data in changed object path to Path (Plan)</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡ ControlFlow from synchronize actions to provide data in changed object path</p>

replan data in new object path

Activity owned by 'IM', in package 'Handbook-Replanning'

replan data in new object path
Version 1.0 Phase 1.0 Proposed
Hantak created on 31.05.2013. Last modified 08.06.2013

ZZ

Event owned by 'IM', in package 'Handbook-Replanning'

ZZ
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 21.05.2013

ZZ

Event owned by 'IM', in package 'Handbook-Replanning'

ZZ
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 21.05.2013

Path (Plan)

Object owned by 'IM', in package 'Handbook-Replanning'

Path (Plan)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 11.06.2013

ATTRIBUTES
<p>📅 Calendar : Calendar Private</p>

ATTRIBUTES	
	[Is static True. Containment is Not Specified.]
◆ PathID : CompositIdentifierPlanningType Private	[Is static True. Containment is Not Specified.]
◆ technParameters : Complex Private	[Is static True. Containment is Not Specified.]
◆ Timetable : Timetable Private	[Is static True. Containment is Not Specified.]

EXIT: Path Details Refused




FlowFinal owned by 'IM', in package 'Handbook-Replanning'




IM-System

ActivityPartition in package 'Handbook-Replanning'

IM-System
Version 1.0 Phase 1.0 Proposed
Hantak created on 20.05.2013. Last modified 20.05.2013

ELEMENTS OWNED BY IM-System
☰ BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
☰ BREAKING OF LINK BETWEEN OBJECTSTRAIN AND PATH : Activity
☰ CONFIRMATION OF LINK : Activity
☰ PROPOSAL FOR LINK : Activity
☰ PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
☰ UpdateLink Message : Trigger
☰ IM : Event

ELEMENTS OWNED BY IM-System
 PathDetails Message : Trigger
 PathDetails Message Status booked : Trigger
 IM : Event

CONNECTORS
 Dependency Source -> Destination From: IM-System : ActivityPartition, Public To: synchronize actions : Synchronization, Public
 Dependency Source -> Destination From: IM-System : ActivityPartition, Public To: IM-System : ActivityPartition, Public
 Dependency Source -> Destination From: IM-System : ActivityPartition, Public To: IM-System : ActivityPartition, Public

BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'IM-System', in package 'Handbook-Replanning'


BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH

Version 1.0 Phase 1.0 Proposed

Hantak created on 30.05.2013. Last modified 30.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH to Link processing started

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Start link processing to BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH

CONNECTORS
 Dependency Source -> Destination From: PathNotAvailable Message : Trigger, Public To: BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH : Activity, Public

BREAKING OF LINK BETWEEN OBJECTSTRAIN AND PATH*Activity owned by 'IM-System', in package 'Handbook-Replanning'*

BREAKING OF LINK BETWEEN OBJECTSTRAIN AND PATH

Version 1.0 Phase 1.0 Proposed


Hantak created on 29.05.2013. Last modified 29.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from BREAKING OF LINK BETWEEN OBJECTSTRAIN AND PATH to Link processing started
INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Start link processing to BREAKING OF LINK BETWEEN OBJECTSTRAIN AND PATH
CONFIRMATION OF LINK*Activity owned by 'IM-System', in package 'Handbook-Replanning'*

CONFIRMATION OF LINK

Version 1.0 Phase 1.0 Proposed


Hantak created on 27.05.2013. Last modified 28.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from CONFIRMATION OF LINK to Allocate path
INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from Path Confirmed Message to CONFIRMATION OF LINK
PROPOSAL FOR LINK*Activity owned by 'IM-System', in package 'Handbook-Replanning'*

PROPOSAL FOR LINK

Version 1.0 Phase 1.0 Proposed

Hantak created on 27.05.2013. Last modified 27.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from PROPOSAL FOR LINK to synchronize actions
INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from PathDetails Message to PROPOSAL FOR LINK



INCOMING BEHAVIORAL RELATIONSHIPS

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'IM-System', in package 'Handbook-Replanning'

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 29.05.2013. Last modified 29.05.2013



OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from PathDetails Message to PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH
 ControlFlow from Path processing started to PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

UpdateLink Message

Trigger owned by 'IM-System', in package 'Handbook-Replanning'

UpdateLink Message
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.06.2013

CONNECTORS
 Dependency Source -> Destination From: UpdateLink Message : Trigger, Public To: c05-SendMessage-IM-RU -TR_m-PA_m-OTN_o : Activity, Public
 Dependency Source -> Destination From: Update Link Message processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public

IM

Event owned by 'IM-System', in package 'Handbook-Replanning'

IM
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.02.2013. Last modified 08.06.2013

PathDetails Message

Trigger owned by 'IM-System', in package 'Handbook-Replanning'


c02 diagram contains the identifier processing of this message

PathDetails Message
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 08.06.2013

PathDetails Message Status booked

Trigger owned by 'IM-System', in package 'Handbook-Replanning'


PathDetails Message Status booked
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 08.06.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	Path Details Message Status Booked Processing started : Synchronization, Public
To:	PathDetails Message Status booked : Trigger, Public

IM

Event owned by 'IM-System', in package 'Handbook-Replanning'







IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 08.06.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	IM : Event, Public
To:	IM : Event, Public
 Dependency	Source -> Destination
From:	IM : Event, Public
To:	IM : Event, Public

RU

ActivityPartition in package 'Handbook-Replanning'


RU
Version 1.0 Phase 1.0 Proposed
Hantak created on 20.05.2013. Last modified 20.05.2013


ELEMENTS OWNED BY RU
 check offered path details : Activity
 provide data in object train : Activity
 Train (Plan) : Object
 ActivityFinal : ActivityFinal
 manually triggered : ActivityInitial
 Start : ActivityInitial

check offered path details

Activity owned by 'RU', in package 'Handbook-Replanning'

check offered path details
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 30.05.2013. Last modified 08.06.2013



OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from check offered path details to Path Confirmed Processing started

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from synchronize actions to check offered path details

provide data in object train

Activity owned by 'RU', in package 'Handbook-Replanning'

provide data in object train
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 30.05.2013. Last modified 08.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from provide data in object train to Path Request processing started
 Information Flow from provide data in object train to Train (Plan)

OUTGOING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from manually triggered to provide data in object train</p>

Train (Plan)

Object owned by 'RU', in package 'Handbook-Replanning'

Train (Plan)
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 10.06.2013

ActivityFinal

ActivityFinal owned by 'RU', in package 'Handbook-Replanning'

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from take data into object Train to ActivityFinal</p>

manually triggered

ActivityInitial owned by 'RU', in package 'Handbook-Replanning'

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from manually triggered to provide data in object train</p>
<p>⇒ ControlFlow from manually triggered to provide Train Modification Message content</p>
<p>⇒ ControlFlow from manually triggered to change train details without changing the path</p>

Start

ActivityInitial owned by 'RU', in package 'Handbook-Replanning'

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Start to Start link processing</p>















RU-System



ActivityPartition in package 'Handbook-Replanning'

RU-System

Version 1.0 Phase 1.0 Proposed

Hantak created on 20.05.2013. Last modified 20.05.2013



ELEMENTS OWNED BY RU-System
 c07-SendMessage-RU-RU -TR_m-CR_m-PA_o-OTN_o : Activity
 c07-SendMessage-RU-RU -TR_m-CR_m-PA_o-OTN_o : Activity
 change train details without changing the path : Activity
 check Train Path Link : Activity
 CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
 provide Train Modification Message content : Activity
 provide Update Link Message content : Activity
 No TAF/TAP message foreseen : Event
 RU : Event
 Automatically triggered : ActivityInitial
 RU : Event
 RU : Event
 PathConfirmed Message : Trigger
 PathDetailsRefused Message : Trigger


ELEMENTS OWNED BY RU-System
 PathRequest Message : Trigger
 PathRequest Message Status Deletion : Trigger

c07-SendMessage-RU-RU -TR_m-CR_m-PA_o-OTN_o

Activity owned by 'RU-System', in package 'Handbook-Replanning'

c07-SendMessage-RU-RU -TR_m-CR_m-PA_o-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 10.06.2013


OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from c07-SendMessage-RU-RU -TR_m-CR_m-PA_o-OTN_o to RU 2
 ControlFlow from c07-SendMessage-RU-RU -TR_m-CR_m-PA_o-OTN_o to IM


INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from No TAF/TAP message foreseen to c07-SendMessage-RU-RU -TR_m-CR_m-PA_o-OTN_o

c07-SendMessage-RU-RU -TR_m-CR_m-PA_o-OTN_o

Activity owned by 'RU-System', in package 'Handbook-Replanning'

c07-SendMessage-RU-RU -TR_m-CR_m-PA_o-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from c07-SendMessage-RU-RU -TR_m-CR_m-PA_o-OTN_o to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from No TAF/TAP message foreseen to c07-SendMessage-RU-RU -TR_m-CR_m-PA_o-OTN_o

change train details without changing the path

Activity owned by 'RU-System', in package 'Handbook-Replanning'

change train details without changing the path

Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from change train details without changing the path to provide Train Modification Message content

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Automatically triggered to change train details without changing the path

⇒ ControlFlow from manually triggered to change train details without changing the path

⇒ Information Flow from Train (Plan) to change train details without changing the path

check Train Path Link

Activity owned by 'RU-System', in package 'Handbook-Replanning'

check Train Path Link
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 11.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from check Train Path Link to provide Update Link Message content

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from manually triggered to check Train Path Link

⇒ ControlFlow from process error message to check Train Path Link

⇒ ControlFlow from Automatically triggered to check Train Path Link
Guard: Train ID known

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'RU-System', in package 'Handbook-Replanning'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH
Version 1.0 Phase 1.0 Proposed
Hantak created on 29.05.2013. Last modified 02.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH to Allocate path
⇐ ControlFlow from CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ Information Flow from Path Confirmed Message to CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

provide Train Modification Message content

Activity owned by 'RU-System', in package 'Handbook-Replanning'

provide Train Modification Message content
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 10.06.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from provide Train Modification Message content to Train modification Message processing started

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ Information Flow from Train (Plan) to provide Train Modification Message content
⇒ ControlFlow from Automatically triggered to provide Train Modification Message content
⇒ ControlFlow from change train details without changing the path to provide Train Modification Message content
⇒ ControlFlow from manually triggered to provide Train Modification Message content

provide Train Modification Message content diagram

Activity diagram in package 'Handbook-Replanning'

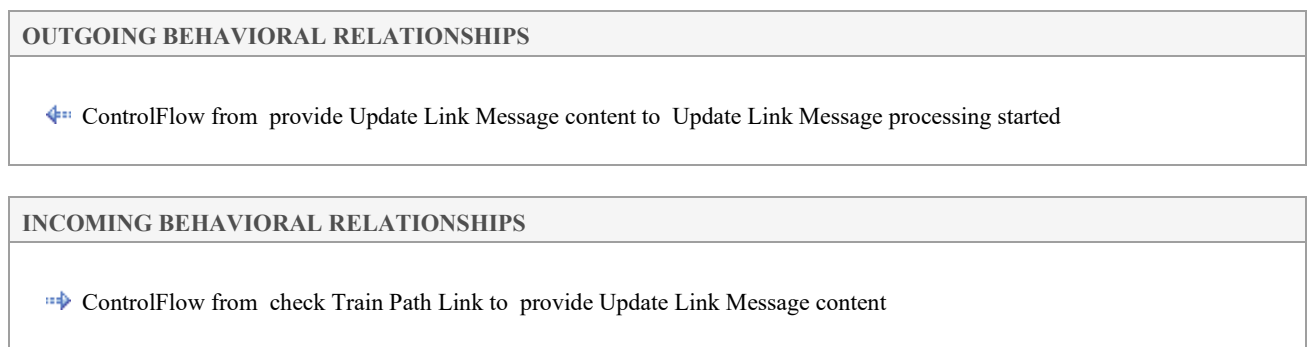
provide Train Modification Message content
 Version 1.0
 km created on 10.06.2013. Last modified 10.06.2013

Figure 77: provide Train Modification Message content

provide Update Link Message content

Activity owned by 'RU-System', in package 'Handbook-Replanning'

provide Update Link Message content
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 10.06.2013. Last modified 10.06.2013



provide Update Link Message content diagram

Activity diagram in package 'Handbook-Replanning'

provide Update Link Message content
 Version 1.0
 km created on 10.06.2013. Last modified 10.06.2013

Figure 78: provide Update Link Message content

No TAF/TAP message foreseen

Event owned by 'RU-System', in package 'Handbook-Replanning'

No TAF/TAP message foreseen
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 10.06.2013. Last modified 10.06.2013

CONNECTORS

 **Dependency** Source -> Destination

From: Train modification Message processing started : Synchronization, Public

To: No TAF/TAP message foreseen : Event, Public

RU

Event owned by 'RU-System', in package 'Handbook-Replanning'

RU


Version 1.0 Phase 1.0 Proposed


seid.magljalic created on 08.02.2013. Last modified 08.06.2013

Automatically triggered

ActivityInitial owned by 'RU-System', in package 'Handbook-Replanning'

OUTGOING BEHAVIORAL RELATIONSHIPS

 ControlFlow from Automatically triggered to provide Train Modification Message content

 ControlFlow from Automatically triggered to change train details without changing the path

RU

Event owned by 'RU-System', in package 'Handbook-Replanning'

RU

Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 08.02.2013. Last modified 08.06.2013

RU

Event owned by 'RU-System', in package 'Handbook-Replanning'

RU

Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 08.02.2013. Last modified 19.06.2013


PathConfirmed Message

Trigger owned by 'RU-System', in package 'Handbook-Replanning'

PathConfirmed Message

Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 15.03.2013. Last modified 08.06.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	Path Confirmed Processing started : Synchronization, Public
To:	PathConfirmed Message : Trigger, Public

PathDetailsRefused Message


Trigger owned by 'RU-System', in package 'Handbook-Replanning'

PathDetailsRefused Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.02.2013. Last modified 08.06.2013

PathRequest Message

Trigger owned by 'RU-System', in package 'Handbook-Replanning'

PathRequest Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.02.2013. Last modified 08.06.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	Path Request processing started : Synchronization, Public
To:	PathRequest Message : Trigger, Public

PathRequest Message Status Deletion



Trigger owned by 'RU-System', in package 'Handbook-Replanning'



PathRequest Message Status Deletion
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 08.06.2013

RU n

ActivityPartition in package 'Handbook-Replanning'

RU n
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 10.06.2013. Last modified 10.06.2013



ELEMENTS OWNED BY RU n	
 take details into data : Activity	
 RU n-System : ActivityPartition	


ELEMENTS OWNED BY RU n
 Train (Plan) : Object
 Acknowledged : ActivityFinal

take details into data

Activity owned by 'RU n', in package 'Handbook-Replanning'

take details into data
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 11.06.2013


OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from take details into data to Acknowledged
 Information Flow from take details into data to Train (Plan)

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from synchronize actions to take details into data

RU n-System

ActivityPartition owned by 'RU n', in package 'Handbook-Replanning'

RU n-System
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 10.06.2013

ELEMENTS OWNED BY RU n-System
 RU 2 : Event

RU 2

Event owned by 'RU n-System', in package 'Handbook-Replanning'

RU 2
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 10.06.2013

Train (Plan)



Object owned by 'RU n', in package 'Handbook-Replanning'

Train (Plan)
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 19.06.2013

ATTRIBUTES	
 Calendar : PlannedCalendar Private	[Is static True. Containment is Not Specified.]
 JourneyLocations : PlannedJourneyLocation Private	[Is static True. Containment is Not Specified.]
 ReferenceLocation : LocationIdent Private	[Is static True. Containment is Not Specified.]
 TrainID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]

Acknowledged

ActivityFinal owned by 'RU n', in package 'Handbook-Replanning'

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Allocate path to Acknowledged
 ControlFlow from Allocate path to Acknowledged

Operation

Package in package 'Business Use Cases'

Operation
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 15.03.2013

Handbook-Operation

Package in package 'Operation'

Handbook-Operation
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.03.2013. Last modified 07.11.2013

Handbook-Operation diagram

Use Case diagram in package 'Handbook-Operation'

Handbook-Operation
Version 1.0
seid.maglajlic created on 18.03.2013. Last modified 02.04.2013

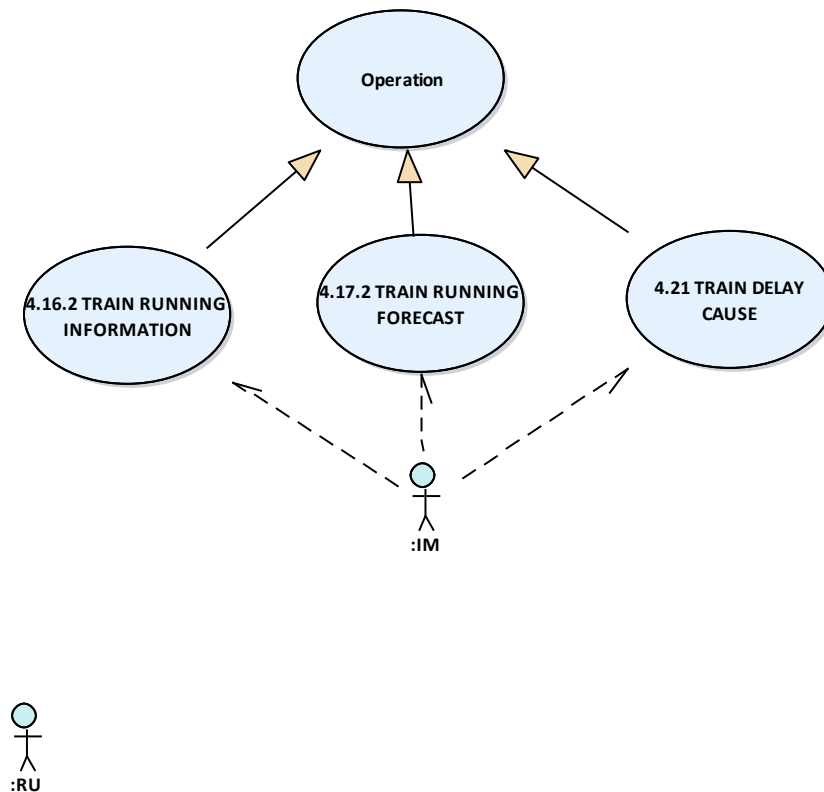


Figure 79: Handbook-Operation

4.13 TRAIN COMPOSITION

UseCase in package 'Handbook-Operation'

4.13 TRAIN COMPOSITION
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 07.04.2013

ELEMENTS OWNED BY 4.13 TRAIN COMPOSITION

TC-Activity : Activity

TC-Activity

Activity owned by '4.13 TRAIN COMPOSITION', in package 'Handbook-Operation'

TC-Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 07.04.2013

ELEMENTS OWNED BY TC-Activity

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity

LINK TO BE CHECKED : Activity

4.13 TrainComposition Activity diagram

Activity diagram in package 'Handbook-Operation'

4.13 TrainComposition Activity
Version 1.0
Hantak created on 02.04.2013. Last modified 28.11.2013

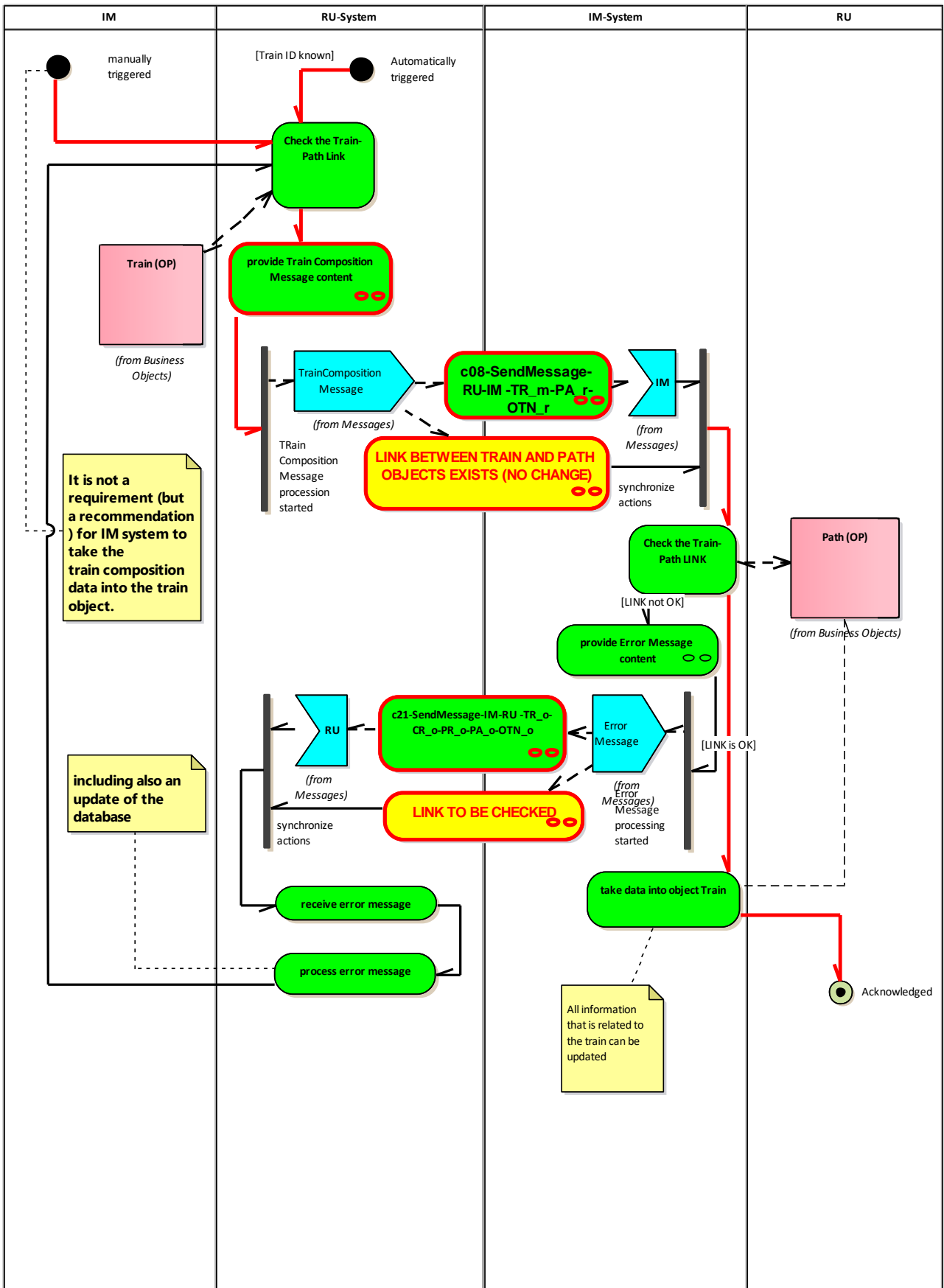


Figure 80: 4.13 TrainComposition Activity

Note

Note in package 'Handbook-Operation'

It is not a requirement (but a recommendation) for IM system to take the train composition data into the train object.

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 18.11.2013. Last modified 22.11.2013
Extends

Note

Note in package 'Handbook-Operation'

including also an update of the database

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 22.11.2013. Last modified 22.11.2013
Extends

IM




Event in package 'Messages'




IM
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 15.03.2013

RU

Event in package 'Messages'

RU
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 15.03.2013






CONNECTORS
<p> Dependency Source -> Destination From: RU : Event, Public To: synchronize actions : Synchronization, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>

CONNECTORS
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>





Error Message

Trigger in package 'Messages'

Error Message
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 15.03.2013. Last modified 21.05.2013

CONNECTORS
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Receive error message : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: Error Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency AnswerNotPossible Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>


CONNECTORS
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processed : Synchronization, Public To: Error Message : Trigger, Public</p>

CONNECTORS
<p> Dependency Source -> Destination From: Error message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

TrainComposition Message

Trigger in package 'Messages'

TrainComposition Message
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 21.05.2013




CONNECTORS
<p> Dependency Source -> Destination From: TRain Composition Message procession started : Synchronization, Public To: TrainComposition Message : Trigger, Public</p>

Path (OP)


Object owned by 'Path (Overview)', in package 'Business Objects'

Path (OP)
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.11.2012. Last modified 28.06.2013

OUTGOING STRUCTURAL RELATIONSHIPS
<p> Aggregation from Path (OP) to Path (Plan)</p> <p style="text-align: right;">[Direction is 'Source -> Destination'.]</p>

CONNECTORS	
 Dependency Source -> Destination From: Path (OP) : Object, Public To: Train Running Forecast Message : Trigger, Public	
 Dependency Source -> Destination From: Path (OP) : Object, Public To: Path : Object, Public	
 Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (OP) : Object, Public	

ATTRIBUTES	
 PathID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Path (OP) Cardinality: [1]	Target: Public (Object) PlannedJourenyLocation Cardinality: [*]

Train (OP)


Object owned by 'Train (Overview)', in package 'Business Objects'

Train (OP)
 Version 1.0 Phase 1.0 Proposed
 seid.magljajlic created on 08.11.2012. Last modified 18.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Train (OP) to Train (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Train (OP) : Object, Public To: Train : Object, Public	

ATTRIBUTES	


ATTRIBUTES	
 TrainID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Train (OP) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

Activity owned by 'TC-Activity', in package 'Handbook-Operation'

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Information Flow from c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o to RU


INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from Error Message to c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'TC-Activity', in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013


OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions


INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from TrainComposition Message to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK TO BE CHECKED

Activity owned by 'TC-Activity', in package 'Handbook-Operation'

LINK TO BE CHECKED
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from LINK TO BE CHECKED to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from Error Message to LINK TO BE CHECKED

4.14 TRAIN READY

UseCase in package 'Handbook-Operation'





4.14 TRAIN READY
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 07.04.2013

ELEMENTS OWNED BY 4.14 TRAIN READY
 TR-Activity : Activity

TR-Activity

Activity owned by '4.14 TRAIN READY', in package 'Handbook-Operation'

TR-Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 07.04.2013

ELEMENTS OWNED BY TR-Activity
 c08-SendMessage-RU-IM -TR_m-PA_r-OTN_r : Activity
 c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity
 LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
 LINK TO BE CHECKED : Activity

4.14 TrainReady Activity diagram

Activity diagram in package 'Handbook-Operation'

4.14 TrainReady Activity
Version 1.0

Hantak created on 02.04.2013. Last modified 28.11.2013

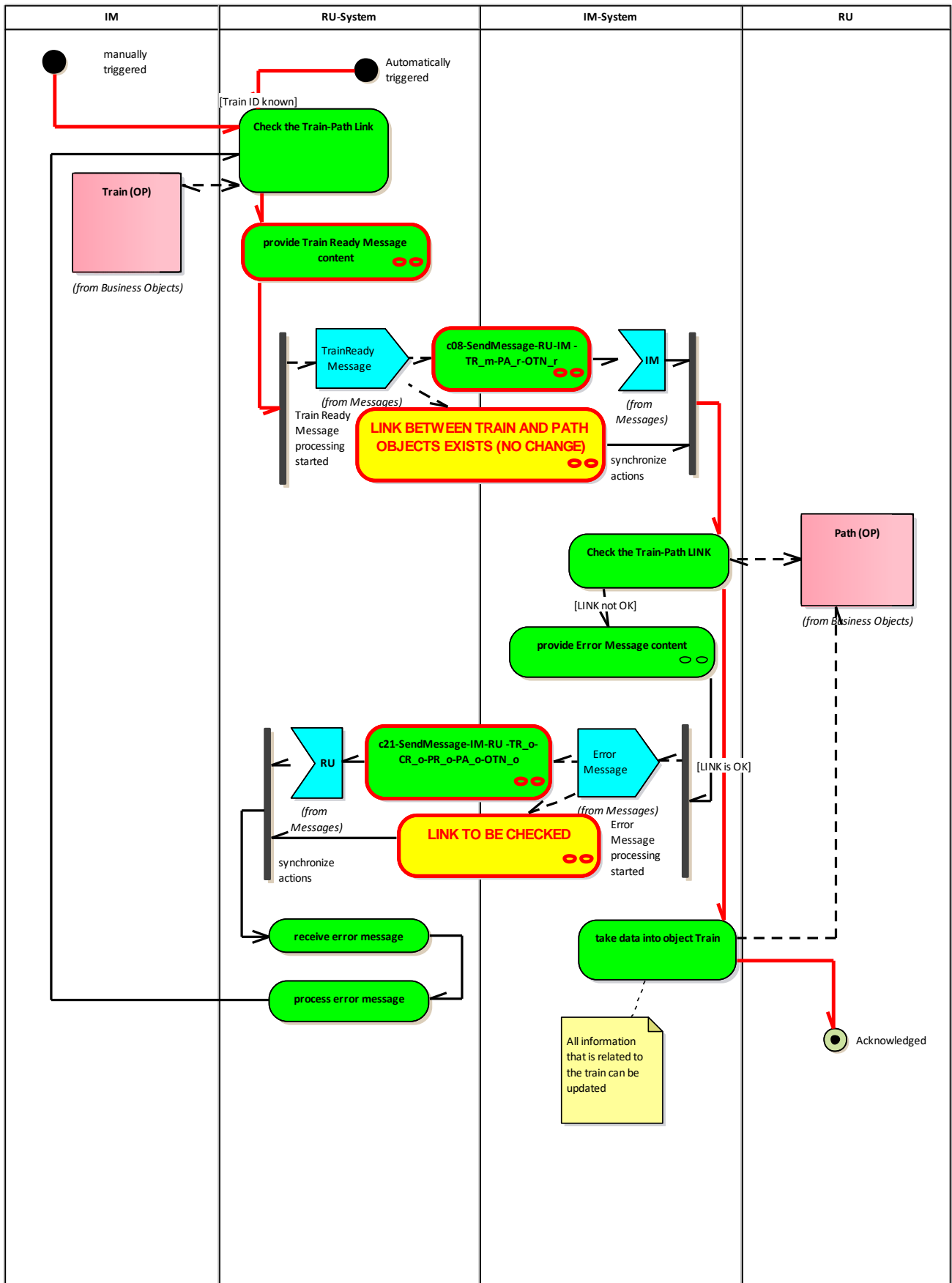


Figure 81: 4.14 TrainReady Activity

IM







Event in package 'Messages'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 15.03.2013

RU

Event in package 'Messages'











RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 15.03.2013










CONNECTORS
<p> Dependency Source -> Destination From: RU : Event, Public To: synchronize actions : Synchronization, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>

Error Message

Trigger in package 'Messages'

Error Message
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 15.03.2013. Last modified 21.05.2013



CONNECTORS
 Dependency Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public
 Dependency Source -> Destination From: Error Message : Trigger, Public To: Receive error message : Activity, Public
 Dependency PathID Source -> Destination From: Error Message : Trigger, Public To: RU : Event, Public
 Dependency AnswerNotPossible Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public
 Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public

CONNECTORS
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processed : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

TrainReady Message

Trigger in package 'Messages'

TrainReady Message
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 21.05.2013




CONNECTORS	
 Dependency Source -> Destination From: TrainReady Message : Trigger, Public To: Ready for operation : State, Public	
 Dependency Source -> Destination From: Train Ready Message processing started : Synchronization, Public To: TrainReady Message : Trigger, Public	


Path (OP)

Object owned by 'Path (Overview)', in package 'Business Objects'

Path (OP)
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.11.2012. Last modified 28.06.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Path (OP) to Path (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Path (OP) : Object, Public To: Train Running Forecast Message : Trigger, Public	
 Dependency Source -> Destination From: Path (OP) : Object, Public To: Path : Object, Public	
 Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (OP) : Object, Public	

ATTRIBUTES	
 PathID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Path (OP)	Target: Public (Object) PlannedJourenyLocation

ASSOCIATIONS	
Cardinality: [1]	Cardinality: [*]

Train (OP)


Object owned by 'Train (Overview)', in package 'Business Objects'

Train (OP)
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 18.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Train (OP) to Train (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Train (OP) : Object, Public To: Train : Object, Public	


ATTRIBUTES	
 TrainID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Train (OP) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]

c08-SendMessage-RU-IM -TR_m-PA_r-OTN_r

Activity owned by 'TR-Activity', in package 'Handbook-Operation'

c08-SendMessage-RU-IM -TR_m-PA_r-OTN_r
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 21.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS	
 Information Flow from c08-SendMessage-RU-IM -TR_m-PA_r-OTN_r to IM	

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c08-SendMessage-RU-IM -TR_m-PA_r-OTN_r to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from TrainReady Message to c08-SendMessage-RU-IM -TR_m-PA_r-OTN_r

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

Activity owned by 'TR-Activity', in package 'Handbook-Operation'

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Error Message to c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'TR-Activity', in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS


⇒ Information Flow from TrainReady Message to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)


LINK TO BE CHECKED

Activity owned by 'TR-Activity', in package 'Handbook-Operation'

LINK TO BE CHECKED

STRUCTURAL PART OF LINK TO BE CHECKED
 ObjectNode15 : ActionPin

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from LINK TO BE CHECKED to synchronize actions


INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from Error Message to LINK TO BE CHECKED

ObjectNode15

ActionPin owned by 'LINK TO BE CHECKED', in package 'Handbook-Operation'

4.15 TRAIN POSITION

UseCase in package 'Handbook-Operation'

ELEMENTS OWNED BY 4.15 TRAIN POSITION
 TP-Activity : Activity

TP-Activity

Activity owned by '4.15 TRAIN POSITION', in package 'Handbook-Operation'

ELEMENTS OWNED BY TP-Activity
 c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity

4.15 TrainPosition Activity diagram

Activity diagram in package 'Handbook-Operation'

4.15 TrainPosition Activity
Version 1.0

Hantak created on 02.04.2013. Last modified 28.11.2013

RU	IM-System	RU-System	IM
<div><p>MESSAGE TYPE UNUSED - COMMUNICATED BY ERA</p></div>			

Figure 82: 4.15 TrainPosition Activity

Note

Note in package 'Handbook-Operation'

MESSAGE TYPE UNUSED - COMMUNICATED BY ERA

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 18.11.2013. Last modified 22.11.2013
Extends

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r




Activity owned by 'TP-Activity', in package 'Handbook-Operation'

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 21.05.2013

4.16.2 TRAIN RUNNING INFORMATION

UseCase in package 'Handbook-Operation'

4.16.2 TRAIN RUNNING INFORMATION
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.03.2013. Last modified 07.04.2013






ELEMENTS OWNED BY 4.16.2 TRAIN RUNNING INFORMATION
 TRI-Activity : Activity
OUTGOING STRUCTURAL RELATIONSHIPS
 Generalization from 4.16.2 TRAIN RUNNING INFORMATION to Operation <div style="text-align: right; font-size: small;">[Direction is 'Source -> Destination'.]</div>
CONNECTORS
 Dependency Source -> Destination From: Object : Object, Public To: 4.16.2 TRAIN RUNNING INFORMATION : UseCase, Public

TRI-Activity

Activity owned by '4.16.2 TRAIN RUNNING INFORMATION', in package 'Handbook-Operation'

TRI-Activity
Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 18.03.2013. Last modified 18.03.2013

ELEMENTS OWNED BY TRI-Activity
 c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity
 LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
 LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
 LINK TO BE CHECKED : Activity
 Automatically triggered : ActivityInitial

4.16.2 Train Running Information Activity diagram

Activity diagram in package 'Handbook-Operation'

4.16.2 Train Running Information Activity

Version 1.0

seid.magljalic created on 18.03.2013. Last modified 27.07.2015

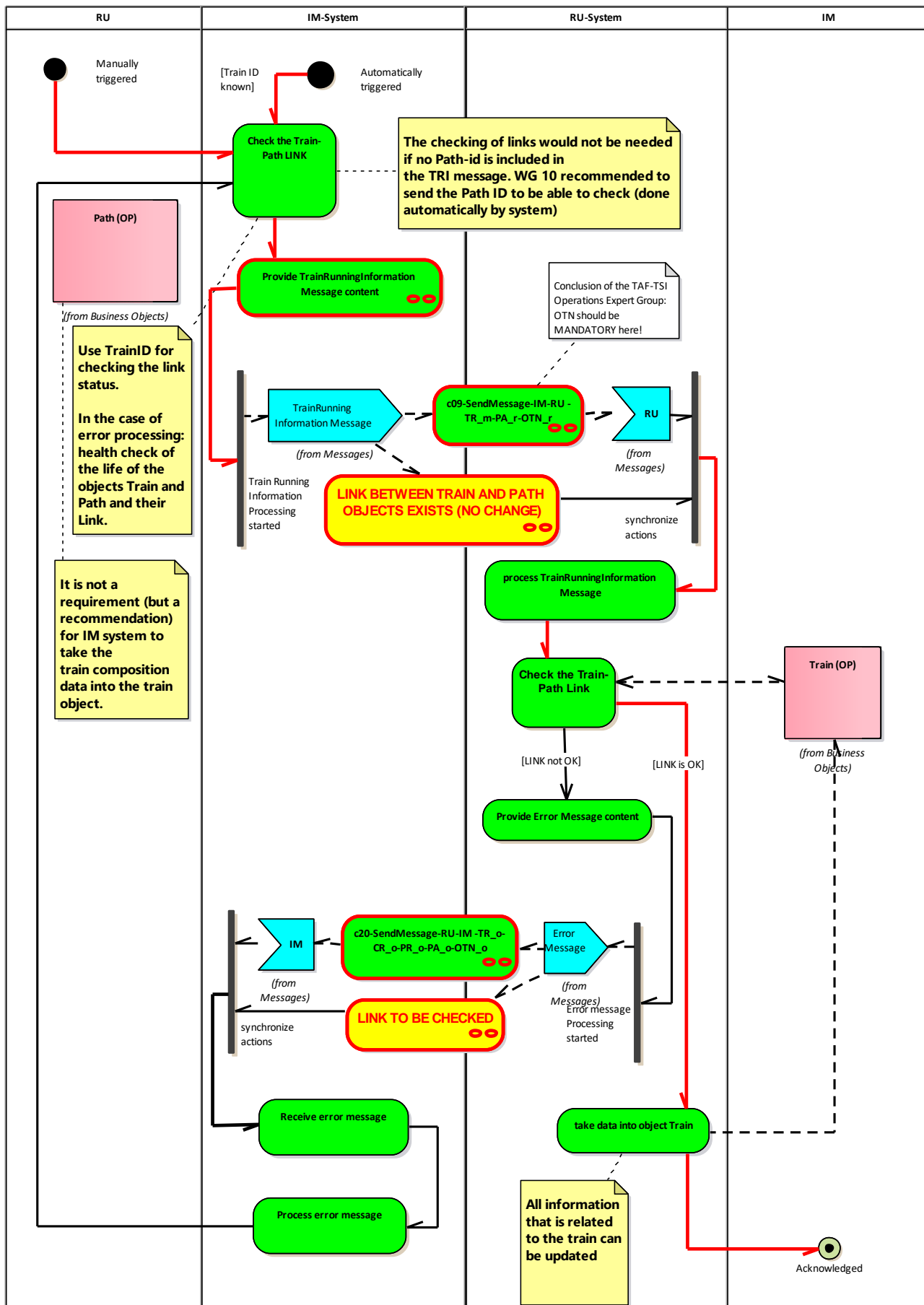


Figure 83: 4.16.2 Train Running Information Activity

Note

Note in package 'Handbook-Operation'

The checking of links would not be needed if no Path-id is included in the TRI message. WG 10 recommended to send the Path ID to be able to check (done automatically by system)

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 22.11.2013. Last modified 22.11.2013
Extends

IM

Event in package 'Messages'


IM
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 15.03.2013

RU

Event in package 'Messages'

RU
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 15.03.2013








CONNECTORS
<p> Dependency Source -> Destination From: RU : Event, Public To: synchronize actions : Synchronization, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>

CONNECTORS
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>


Error Message


Trigger in package 'Messages'


Error Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 15.03.2013. Last modified 21.05.2013


CONNECTORS
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Receive error message : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: Error Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency AnswerNotPossible Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>


CONNECTORS


 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public


 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public


 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public


 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public


 **Dependency** Source -> Destination
From: Error Message Processing started : Synchronization, Public
To: Error Message : Trigger, Public



 **Dependency** Source -> Destination
From: Error message Processing started : Synchronization, Public
To: Error Message : Trigger, Public

 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public

 **Dependency** Source -> Destination
From: Error message processed : Synchronization, Public
To: Error Message : Trigger, Public

 **Dependency** Source -> Destination
From: Error message processing started : Synchronization, Public
To: Error Message : Trigger, Public






 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public

CONNECTORS
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

TrainRunning Information Message

Trigger in package 'Messages'

TrainRunning Information Message
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 15.03.2013. Last modified 17.06.2013

CONNECTORS
<p> Dependency Source -> Destination From: TrainRunning Information Message : Trigger, Public To: In operation : State, Public</p>
<p> Dependency Source -> Destination From: TrainRunning Information Message : Trigger, Public To: Delayed : State, Public</p>
<p> Dependency Source -> Destination From: Train Running Information Message processing started : Synchronization, Public To: TrainRunning Information Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Train Running Information Processing started : Synchronization, Public To: TrainRunning Information Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Train Running Information processing started : Synchronization, Public To: TrainRunning Information Message : Trigger, Public</p>

Note

Note in package 'Business Objects'

It is not a requirement (but a recommendation) for IM system to take the train composition data into the train object.

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 22.11.2013. Last modified 22.11.2013
Extends

Path (OP)

Object owned by 'Path (Overview)', in package 'Business Objects'

Path (OP)
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 28.06.2013

OUTGOING STRUCTURAL RELATIONSHIPS
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="flex: 1;"> Aggregation from Path (OP) to Path (Plan) </div> <div style="flex: 1; text-align: right; font-size: small;"> [Direction is 'Source -> Destination'.] </div> </div>

CONNECTORS
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="flex: 1;"> Dependency Source -> Destination From: Path (OP) : Object, Public To: Train Running Forecast Message : Trigger, Public </div> </div>
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="flex: 1;"> Dependency Source -> Destination From: Path (OP) : Object, Public To: Path : Object, Public </div> </div>
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="flex: 1;"> Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (OP) : Object, Public </div> </div>

ATTRIBUTES
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="flex: 1;"> PathID : CompositIdentifierOperationalType Private </div> <div style="flex: 1; text-align: right; font-size: small;"> [Is static True. Containment is Not Specified.] </div> </div>

ASSOCIATIONS
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="flex: 1;"> Association (direction: Source -> Destination) </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> Source: Public (Object) Path (OP) Cardinality: [1] </div> <div style="width: 45%; text-align: right;"> Target: Public (Object) PlannedJourenyLocation Cardinality: [*] </div> </div>

Train (OP)

Object owned by 'Train (Overview)', in package 'Business Objects'

Train (OP)
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 18.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from Train (OP) to Train (Plan)

[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination

From: Train (OP) : Object, Public

To: Train : Object, Public

ATTRIBUTES

◆ TrainID : CompositIdentifierOperationalType Private

[Is static True. Containment is Not Specified.]

ASSOCIATIONS

↔ Association (direction: Source -> Destination)

Source: Public (Object) Train (OP)

Cardinality: [1]

Target: Public (Object) TrainInformation

Cardinality: [1]

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

Activity owned by 'TRI-Activity', in package 'Handbook-Operation'

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 21.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Information Flow from c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from TrainRunning Information Message to c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'TRI-Activity', in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0 Phase 1.0 Proposed

Hantak created on 04.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Error Message to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'TRI-Activity', in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0 Phase 1.0 Proposed

Hantak created on 02.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from TrainRunning Information Message to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK TO BE CHECKED

Activity owned by 'TRI-Activity', in package 'Handbook-Operation'

LINK TO BE CHECKED

Version 1.0 Phase 1.0 Proposed

Hantak created on 18.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from LINK TO BE CHECKED to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Error Message to LINK TO BE CHECKED

Automatically triggered


ActivityInitial owned by 'TRI-Activity', in package 'Handbook-Operation'


4.17.2 TRAIN RUNNING FORECAST

UseCase in package 'Handbook-Operation'

4.17.2 TRAIN RUNNING FORECAST
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 21.05.2013

ELEMENTS OWNED BY 4.17.2 TRAIN RUNNING FORECAST
 Activity : Activity





OUTGOING STRUCTURAL RELATIONSHIPS
 Generalization from 4.17.2 TRAIN RUNNING FORECAST to Operation [Direction is 'Source -> Destination'.]






CONNECTORS
 Dependency Source -> Destination From: Object : Object, Public To: 4.17.2 TRAIN RUNNING FORECAST : UseCase, Public

Activity

Activity owned by '4.17.2 TRAIN RUNNING FORECAST', in package 'Handbook-Operation'

Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.04.2013

ELEMENTS OWNED BY Activity
 c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity
 LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
 LINK TO BE CHECKED : Activity
 Process TrainRunningForecast Message : Activity

ELEMENTS OWNED BY Activity
 RU : Event
 Path (OP) : Object
 Train (OP) : Object
 ErrorMessage : Trigger
 TrainRunningInformationMessage : Trigger

4.17.2 Train Running Forecast Activity diagram

Activity diagram in package 'Handbook-Operation'

4.17.2 Train Running Forecast Activity

Version 1.0

Hantak created on 02.04.2013. Last modified 28.11.2013

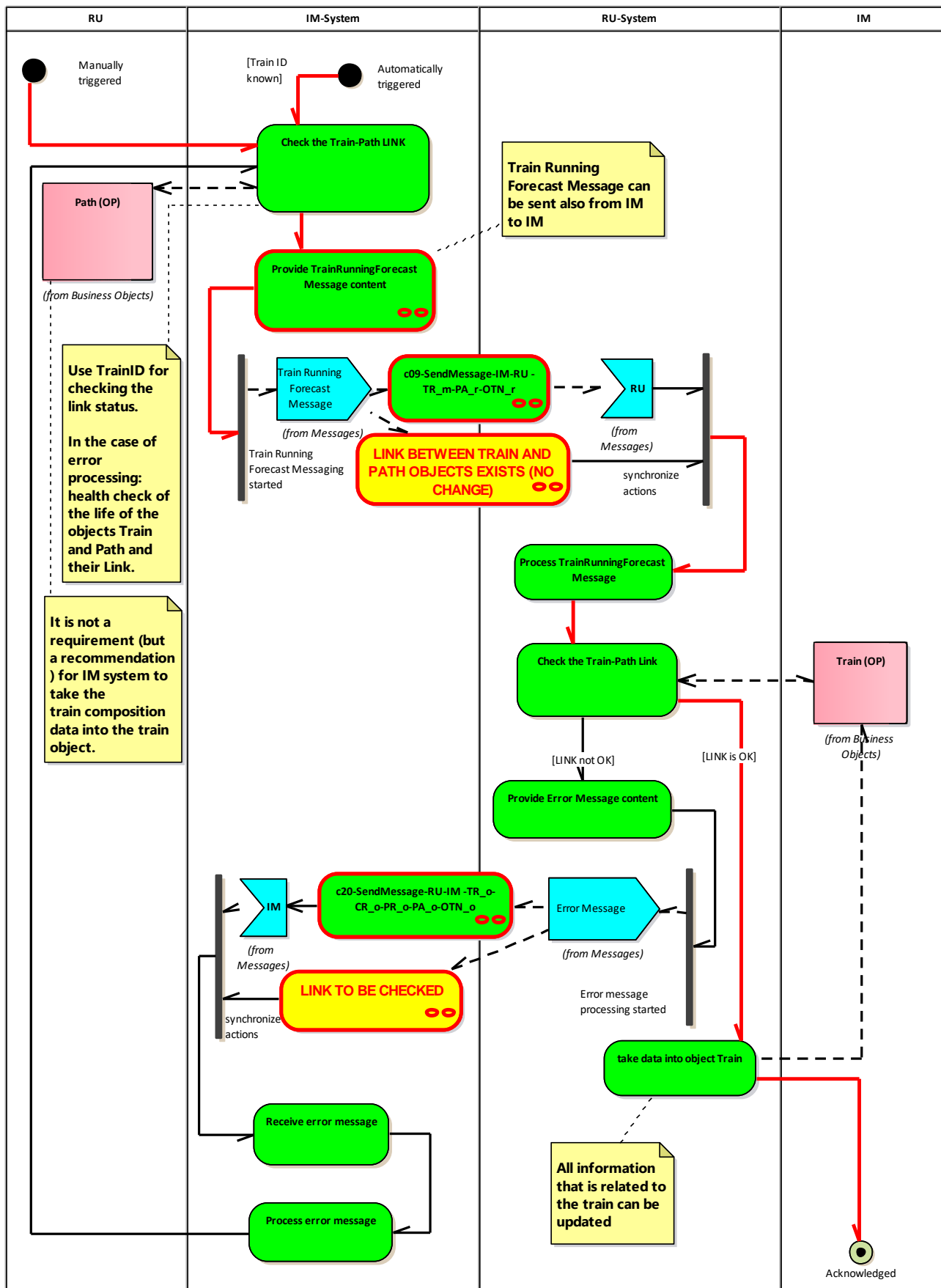


Figure 84: 4.17.2 Train Running Forecast Activity

Note

Note in package 'Handbook-Operation'

Train Running Forecast Message can be sent also from IM to IM

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 22.11.2013. Last modified 22.11.2013
Extends

IM

Event in package 'Messages'


IM
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 15.03.2013

RU

Event in package 'Messages'

RU
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 15.03.2013








CONNECTORS
<p> Dependency Source -> Destination From: RU : Event, Public To: synchronize actions : Synchronization, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>

CONNECTORS
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>


Error Message


Trigger in package 'Messages'


Error Message
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 15.03.2013. Last modified 21.05.2013


CONNECTORS
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Receive error message : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: Error Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency AnswerNotPossible Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>


CONNECTORS


 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public


 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public


 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public


 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public


 **Dependency** Source -> Destination
From: Error Message Processing started : Synchronization, Public
To: Error Message : Trigger, Public



 **Dependency** Source -> Destination
From: Error message Processing started : Synchronization, Public
To: Error Message : Trigger, Public

 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public

 **Dependency** Source -> Destination
From: Error message processed : Synchronization, Public
To: Error Message : Trigger, Public

 **Dependency** Source -> Destination
From: Error message processing started : Synchronization, Public
To: Error Message : Trigger, Public







 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public

CONNECTORS	
 Dependency	Source -> Destination
From:	Error Message processing started : Synchronization, Public
To:	Error Message : Trigger, Public
 Dependency	Source -> Destination
From:	Error Message processing started : Synchronization, Public
To:	Error Message : Trigger, Public

Train Running Forecast Message

Trigger in package 'Messages'

Train Running Forecast Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 04.06.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	Train Running Forecast Message : Trigger, Public
To:	In operation : State, Public
 Dependency	Source -> Destination
From:	Train Running Forecast Message : Trigger, Public
To:	RU : ActivityPartition, Public
 Dependency	Source -> Destination
From:	Train Running Forecast Messaging started : Synchronization, Public
To:	Train Running Forecast Message : Trigger, Public
 Dependency	Source -> Destination
From:	Path (OP) : Object, Public
To:	Train Running Forecast Message : Trigger, Public
 Dependency	Source -> Destination
From:	Train Running Forecast Processing started : Synchronization, Public
To:	Train Running Forecast Message : Trigger, Public
 Dependency	Source -> Destination
From:	Train Running Forecast Messahe Processing started : Synchronization, Public
To:	Train Running Forecast Message : Trigger, Public

Note

Note in package 'Business Objects'

It is not a requirement (but a recommendation) for IM system to take the train composition data into the train object.

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 22.11.2013. Last modified 22.11.2013
Extends

Path (OP)

Object owned by 'Path (Overview)', in package 'Business Objects'

Path (OP)
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 28.06.2013

OUTGOING STRUCTURAL RELATIONSHIPS
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="flex: 1;"> Aggregation from Path (OP) to Path (Plan) </div> <div style="flex: 1; text-align: right; font-size: small;"> [Direction is 'Source -> Destination'.] </div> </div>

CONNECTORS
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="flex: 1;"> Dependency Source -> Destination From: Path (OP) : Object, Public To: Train Running Forecast Message : Trigger, Public </div> </div>
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="flex: 1;"> Dependency Source -> Destination From: Path (OP) : Object, Public To: Path : Object, Public </div> </div>
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="flex: 1;"> Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (OP) : Object, Public </div> </div>

ATTRIBUTES
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="flex: 1;"> PathID : CompositIdentifierOperationalType Private </div> <div style="flex: 1; text-align: right; font-size: small;"> [Is static True. Containment is Not Specified.] </div> </div>

ASSOCIATIONS
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="flex: 1;"> Association (direction: Source -> Destination) </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> Source: Public (Object) Path (OP) Cardinality: [1] </div> <div style="width: 45%; text-align: right;"> Target: Public (Object) PlannedJourenyLocation Cardinality: [*] </div> </div>

Train (OP)

Object owned by 'Train (Overview)', in package 'Business Objects'

Train (OP)

Version 1.0 Phase 1.0 Proposed


seid.magljalic created on 08.11.2012. Last modified 18.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS

 Aggregation from Train (OP) to Train (Plan)

[Direction is 'Source -> Destination'.]


CONNECTORS

 **Dependency** Source -> Destination

From: Train (OP) : Object, Public

To: Train : Object, Public

ATTRIBUTES

 TrainID : CompositIdentifierOperationalType Private

[Is static True. Containment is Not Specified.]

ASSOCIATIONS

 Association (direction: Source -> Destination)

Source: Public (Object) Train (OP)

Cardinality: [1]

Target: Public (Object) TrainInformation

Cardinality: [1]

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o

Version 1.0 Phase 1.0 Proposed

Hantak created on 18.06.2013. Last modified 18.06.2013

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0 Phase 1.0 Proposed

Hantak created on 04.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇄ ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇄ Information Flow from Train Running Forecast Message to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)</p>

LINK TO BE CHECKED

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK TO BE CHECKED
Version 1.0 Phase 1.0 Proposed
Hantak created on 18.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇄ ControlFlow from LINK TO BE CHECKED to synchronize actions</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇄ Information Flow from Error Message to LINK TO BE CHECKED</p>

Process TrainRunningForecast Message

Activity owned by 'Activity', in package 'Handbook-Operation'

Process TrainRunningForecast Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.03.2013. Last modified 27.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇄ ControlFlow from Process TrainRunningForecast Message to Check the Train-Path Link</p>
<p>⇄ Object Flow from Process TrainRunningForecast Message to Train (OP)</p>
<p>⇄ ControlFlow from Process TrainRunningForecast Message to Check the Train-Path LINK</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇄ ControlFlow from RU to Process TrainRunningForecast Message</p>
<p> </p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡ Information Flow from Train Running Forecast Message to Process TrainRunningForecast Message</p>
<p>➡ ControlFlow from synchronize actions to Process TrainRunningForecast Message</p>

RU

Event owned by 'Activity', in package 'Handbook-Operation'

RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 18.03.2013

Path (OP)

Object owned by 'Activity', in package 'Handbook-Operation'

Path (OP)
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012




ATTRIBUTES
<p>◆ PathID : CompositIdentifierOperationalType Private [Is static True. Containment is Not Specified.]</p>
<p>◆ StartDate : Date Private [Is static True. Containment is Not Specified.]</p>
<p>◆ technParameters : Complex Private [Is static True. Containment is Not Specified.]</p>
<p>◆ Timetable : Timetable Private [Is static True. Containment is Not Specified.]</p>

Train (OP)

Object owned by 'Activity', in package 'Handbook-Operation'

Train (OP)
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012

ATTRIBUTES
<p>◆ Startdate : Date Private [Is static True. Containment is Not Specified.]</p>

ATTRIBUTES	
 technParameters : Complex Private	[Is static True. Containment is Not Specified.]
 Timetable : Timetable Private	[Is static True. Containment is Not Specified.]
 TrainID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ErrorMessage

Trigger owned by 'Activity', in package 'Handbook-Operation'

ErrorMessage
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 15.03.2013. Last modified 15.03.2013

TrainRunningInformationMessage


Trigger owned by 'Activity', in package 'Handbook-Operation'

TrainRunningInformationMessage
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 15.03.2013. Last modified 15.03.2013

4.18.2 TRAIN DELAY PERFORMANCE

UseCase in package 'Handbook-Operation'

4.18.2 TRAIN DELAY PERFORMANCE
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 21.05.2013

ELEMENTS OWNED BY 4.18.2 TRAIN DELAY PERFORMANCE
 Activity : Activity

Activity

Activity owned by '4.18.2 TRAIN DELAY PERFORMANCE', in package 'Handbook-Operation'

Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.04.2013

ELEMENTS OWNED BY Activity
☰ c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity
☰ LINK NOT CONFIRMED : Activity
☰ Process error message : Activity
☰ Produce error message : Activity
☰ RU updates the data : Activity
☰ IM : Event
☰ RU : Event
☰ Path (OP) : Object
☰ Train (OP) : Object
☰ Acknowledged : ActivityFinal
☰ Manually triggered : ActivityInitial
☰ ErrorMessage : Trigger
☰ TrainRunningInformationMessage : Trigger

4.18.2 Train Delay Performance Activity diagram

Activity diagram in package 'Handbook-Operation'

4.18.2 Train Delay Performance Activity
Version 1.0

Hantak created on 02.04.2013. Last modified 22.11.2013

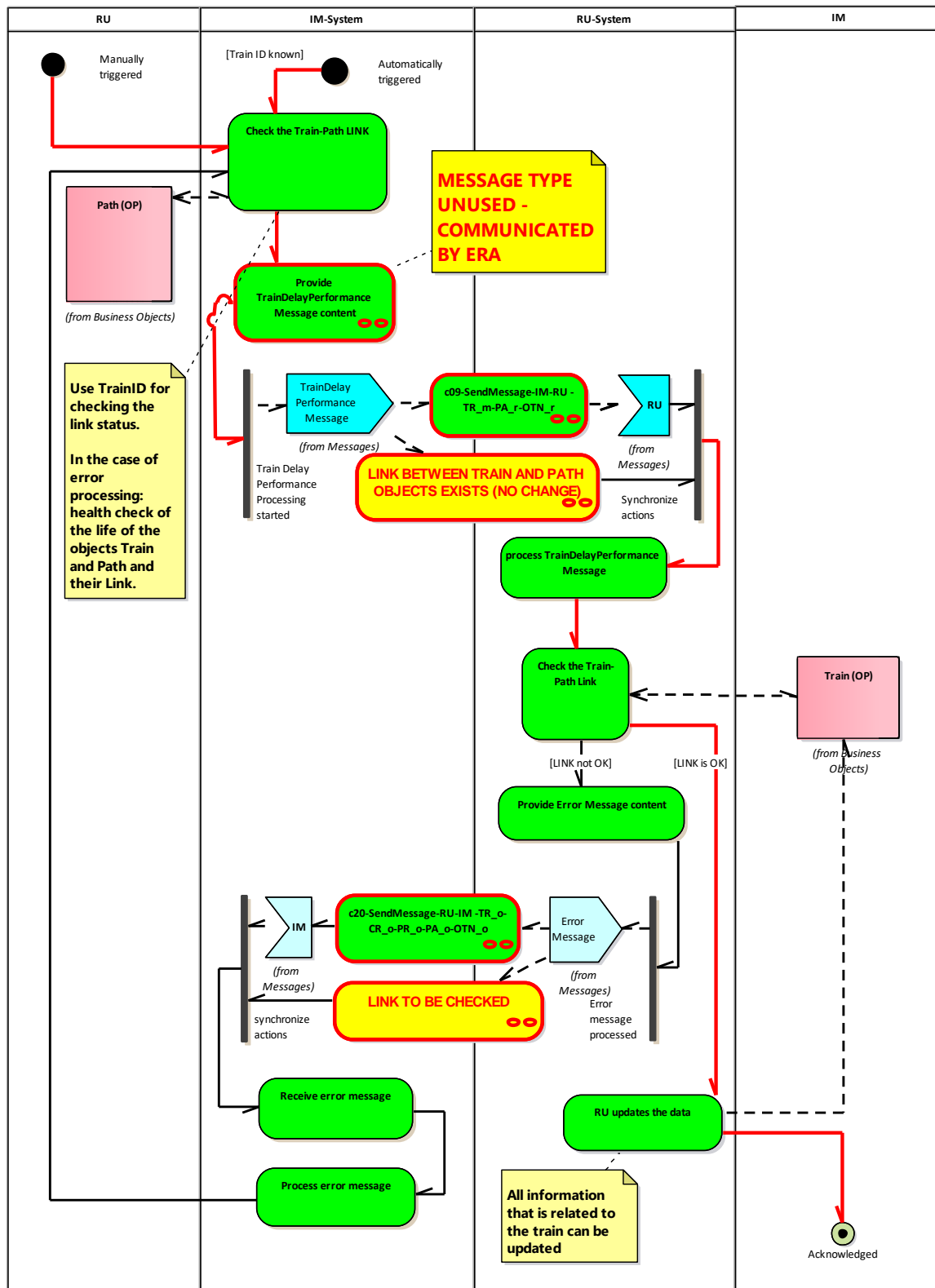


Figure 85: 4.18.2 Train Delay Performance Activity

Note

Note in package 'Handbook-Operation'

MESSAGE TYPE UNUSED - COMMUNICATED BY ERA

Note

Version 1.0 Phase 1.0 Proposed
 Hantak created on 22.11.2013. Last modified 22.11.2013

Extends

IM


Event in package 'Messages'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 15.03.2013

RU











Event in package 'Messages'










RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 15.03.2013

CONNECTORS
<p> Dependency Source -> Destination From: RU : Event, Public To: synchronize actions : Synchronization, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>

Error Message

Trigger in package 'Messages'

CONNECTORS
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Receive error message : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: Error Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency AnswerNotPossible Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>


CONNECTORS
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processed : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

TrainDelay Performance Message

Trigger in package 'Messages'

TrainDelay Performance Message
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 02.06.2013

CONNECTORS

 **Dependency** Source -> Destination
 From: Train Delay Performance Processing started : Synchronization, Public
 To: TrainDelay Performance Message : Trigger, Public

Path (OP)


Object owned by 'Path (Overview)', in package 'Business Objects'


Path (OP)
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.11.2012. Last modified 28.06.2013


OUTGOING STRUCTURAL RELATIONSHIPS

 Aggregation from Path (OP) to Path (Plan) [Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
 From: Path (OP) : Object, Public
 To: Train Running Forecast Message : Trigger, Public

 **Dependency** Source -> Destination
 From: Path (OP) : Object, Public
 To: Path : Object, Public

 **Dependency** Source -> Destination
 From: OperationalTrainNumber (OTN) : Artifact, Public
 To: Path (OP) : Object, Public

ATTRIBUTES

 PathID : CompositIdentifierOperationalType Private [Is static True. Containment is Not Specified.]

ASSOCIATIONS

 Association (direction: Source -> Destination)
 Source: Public (Object) Path (OP) Target: Public (Object) PlannedJourenyLocation
 Cardinality: [1] Cardinality: [*]

Train (OP)

Object owned by 'Train (Overview)', in package 'Business Objects'

Train (OP)
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 18.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS
<p>← Aggregation from Train (OP) to Train (Plan) [Direction is 'Source -> Destination'.]</p>

CONNECTORS
<p>↗ Dependency Source -> Destination From: Train (OP) : Object, Public To: Train : Object, Public</p>

ATTRIBUTES
<p>◆ TrainID : CompositIdentifierOperationalType Private [Is static True. Containment is Not Specified.]</p>

ASSOCIATIONS		
<p>↗ Association (direction: Source -> Destination)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> <p>Source: Public (Object) Train (OP) Cardinality: [1]</p> </td> <td style="width: 50%; border: none; text-align: right;"> <p>Target: Public (Object) TrainInformation Cardinality: [1]</p> </td> </tr> </table>	<p>Source: Public (Object) Train (OP) Cardinality: [1]</p>	<p>Target: Public (Object) TrainInformation Cardinality: [1]</p>
<p>Source: Public (Object) Train (OP) Cardinality: [1]</p>	<p>Target: Public (Object) TrainInformation Cardinality: [1]</p>	

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 18.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇄ Information Flow from c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o to IM</p>
<p>⇄ ControlFlow from c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o to IM</p>

INCOMING BEHAVIORAL RELATIONSHIPS

Information Flow from Error Message to c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o

LINK NOT CONFIRMED

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK NOT CONFIRMED
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 18.06.2013. Last modified 18.06.2013

Process error message

Activity owned by 'Activity', in package 'Handbook-Operation'

Process error message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 18.03.2013

Produce error message

Activity owned by 'Activity', in package 'Handbook-Operation'

Produce error message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 18.03.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

Information Flow from Produce error message to Error Message

INCOMING BEHAVIORAL RELATIONSHIPS

ControlFlow from Check the Train-Path Link to Produce error message
 Guard: LINK not OK

RU updates the data

Activity owned by 'Activity', in package 'Handbook-Operation'

RU updates the data
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 18.03.2013

STRUCTURAL PART OF RU updates the data

ObjectNode13 : ActionPin

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from RU updates the data to Acknowledged

⇐ Information Flow from RU updates the data to Train (OP)

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from Train (OP) to RU updates the data

⇒ ControlFlow from Check the Train-Path Link to RU updates the data
Guard: LINK is OK

⇒ Information Flow from Train (OP) to RU updates the data

ObjectNode13

ActionPin owned by 'RU updates the data', in package 'Handbook-Operation'

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Object Flow from ObjectNode13 to Acknowledged

IM

Event owned by 'Activity', in package 'Handbook-Operation'

IM

Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 08.02.2013. Last modified 15.03.2013

RU

Event owned by 'Activity', in package 'Handbook-Operation'

RU

Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 18.03.2013. Last modified 18.03.2013

Path (OP)

Object owned by 'Activity', in package 'Handbook-Operation'

Path (OP)

Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 08.11.2012. Last modified 08.11.2012

ATTRIBUTES	
◆ PathID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]
◆ StartDate : Date Private	[Is static True. Containment is Not Specified.]
◆ technParameters : Complex Private	[Is static True. Containment is Not Specified.]
◆ Timetable : Timetable Private	[Is static True. Containment is Not Specified.]

Train (OP)

Object owned by 'Activity', in package 'Handbook-Operation'

Train (OP)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 08.11.2012

ATTRIBUTES	
◆ Startdate : Date Private	[Is static True. Containment is Not Specified.]
◆ technParameters : Complex Private	[Is static True. Containment is Not Specified.]
◆ Timetable : Timetable Private	[Is static True. Containment is Not Specified.]
◆ TrainID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

Acknowledged

ActivityFinal owned by 'Activity', in package 'Handbook-Operation'

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from RU updates the data to Acknowledged

INCOMING BEHAVIORAL RELATIONSHIPS

➡ Object Flow from ObjectNode13 to Acknowledged

Manually triggered

ActivityInitial owned by 'Activity', in package 'Handbook-Operation'

ErrorMessage

Trigger owned by 'Activity', in package 'Handbook-Operation'

ErrorMessage
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 15.03.2013

TrainRunningInformationMessage

Trigger owned by 'Activity', in package 'Handbook-Operation'

TrainRunningInformationMessage
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 15.03.2013

4.19.2 TRAIN FORECAST AT REPORTING LOCATION

UseCase in package 'Handbook-Operation'

4.19.2 TRAIN FORECAST AT REPORTING LOCATION
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 21.05.2013

ELEMENTS OWNED BY 4.19.2 TRAIN FORECAST AT REPORTING LOCATION

📄 Activity : Activity



Activity

Activity owned by '4.19.2 TRAIN FORECAST AT REPORTING LOCATION', in package 'Handbook-Operation'

Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 02.04.2013

ELEMENTS OWNED BY Activity

📄 c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity

ELEMENTS OWNED BY Activity
 LINK TO BE CHECKED : Activity
 Path (OP) : Object

4.19.2 Train Forecast at Reporting Location Activity diagram

Activity diagram in package 'Handbook-Operation'

4.19.2 Train Forecast at Reporting Location Activity

Version 1.0

Hantak created on 02.04.2013. Last modified 28.11.2013

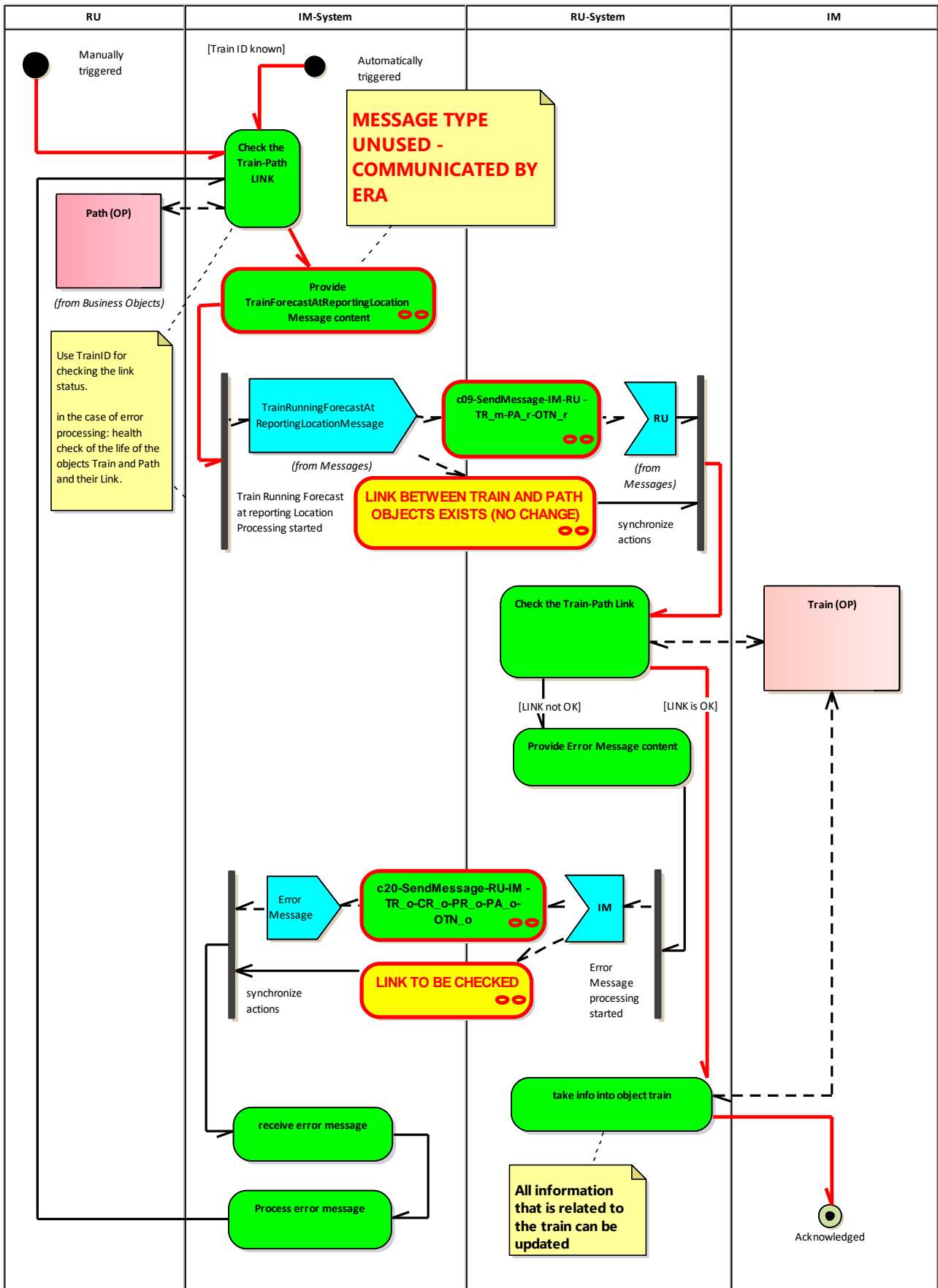


Figure 86: 4.19.2 Train Forecast at Reporting Location Activity

Note

Note in package 'Handbook-Operation'

MESSAGE TYPE UNUSED - COMMUNICATED BY ERA

Note
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 18.11.2013. Last modified 22.11.2013
 Extends

RU

Event in package 'Messages'



RU
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.02.2013. Last modified 15.03.2013

CONNECTORS
<p> Dependency Source -> Destination From: RU : Event, Public To: synchronize actions : Synchronization, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>

TrainRunningForecastAt ReportingLocationMessage

Trigger in package 'Messages'

TrainRunningForecastAt ReportingLocationMessage
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 21.05.2013




CONNECTORS	
 Dependency Source -> Destination	
From:	Train Running Forecast at reporting Location Processing started : Synchronization, Public
To:	TrainRunningForecastAt ReportingLocationMessage : Trigger, Public
 Dependency Source -> Destination	
From:	IM-System : ActivityPartition, Public
To:	TrainRunningForecastAt ReportingLocationMessage : Trigger, Public


Path (OP)


Object owned by 'Path (Overview)', in package 'Business Objects'

Path (OP)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 28.06.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Path (OP) to Path (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination	
From:	Path (OP) : Object, Public
To:	Train Running Forecast Message : Trigger, Public
 Dependency Source -> Destination	
From:	Path (OP) : Object, Public
To:	Path : Object, Public
 Dependency Source -> Destination	
From:	OperationalTrainNumber (OTN) : Artifact, Public
To:	Path (OP) : Object, Public

ATTRIBUTES	
 PathID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	

ASSOCIATIONS	
Source: Public (Object) Path (OP) Cardinality: [1]	Target: Public (Object) PlannedJourenyLocation Cardinality: [*]

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r


Activity owned by 'Activity', in package 'Handbook-Operation'


c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
Version 1.0 Phase 1.0 Proposed
Hantak created on 04.06.2013. Last modified 04.06.2013

LINK TO BE CHECKED

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK TO BE CHECKED
Version 1.0 Phase 1.0 Proposed
Hantak created on 18.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from LINK TO BE CHECKED to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from IM to LINK TO BE CHECKED

Path (OP)

Object owned by 'Activity', in package 'Handbook-Operation'

Path (OP)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 08.11.2012

ATTRIBUTES	
 PathID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]
 StartDate : Date Private	[Is static True. Containment is Not Specified.]
 technParameters : Complex Private	[Is static True. Containment is Not Specified.]

ATTRIBUTES	
 Timetable : Timetable Private	[Is static True. Containment is Not Specified.]

4.20 TRAIN RUNNING INTERRUPTED

UseCase in package 'Handbook-Operation'






4.20 TRAIN RUNNING INTERRUPTED
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 21.05.2013

ELEMENTS OWNED BY 4.20 TRAIN RUNNING INTERRUPTED	
 Activity : Activity	

Activity

Activity owned by '4.20 TRAIN RUNNING INTERRUPTED', in package 'Handbook-Operation'

Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.04.2013

ELEMENTS OWNED BY Activity	
 c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity	
 c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity	
 c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity	
 LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity	
 LINK TO BE CHECKED : Activity	

4.20 Train Running Interrupted Activity diagram

Activity diagram in package 'Handbook-Operation'

4.20 Train Running Interrupted Activity
 Version 1.0
 Hantak created on 02.04.2013. Last modified 18.11.2013

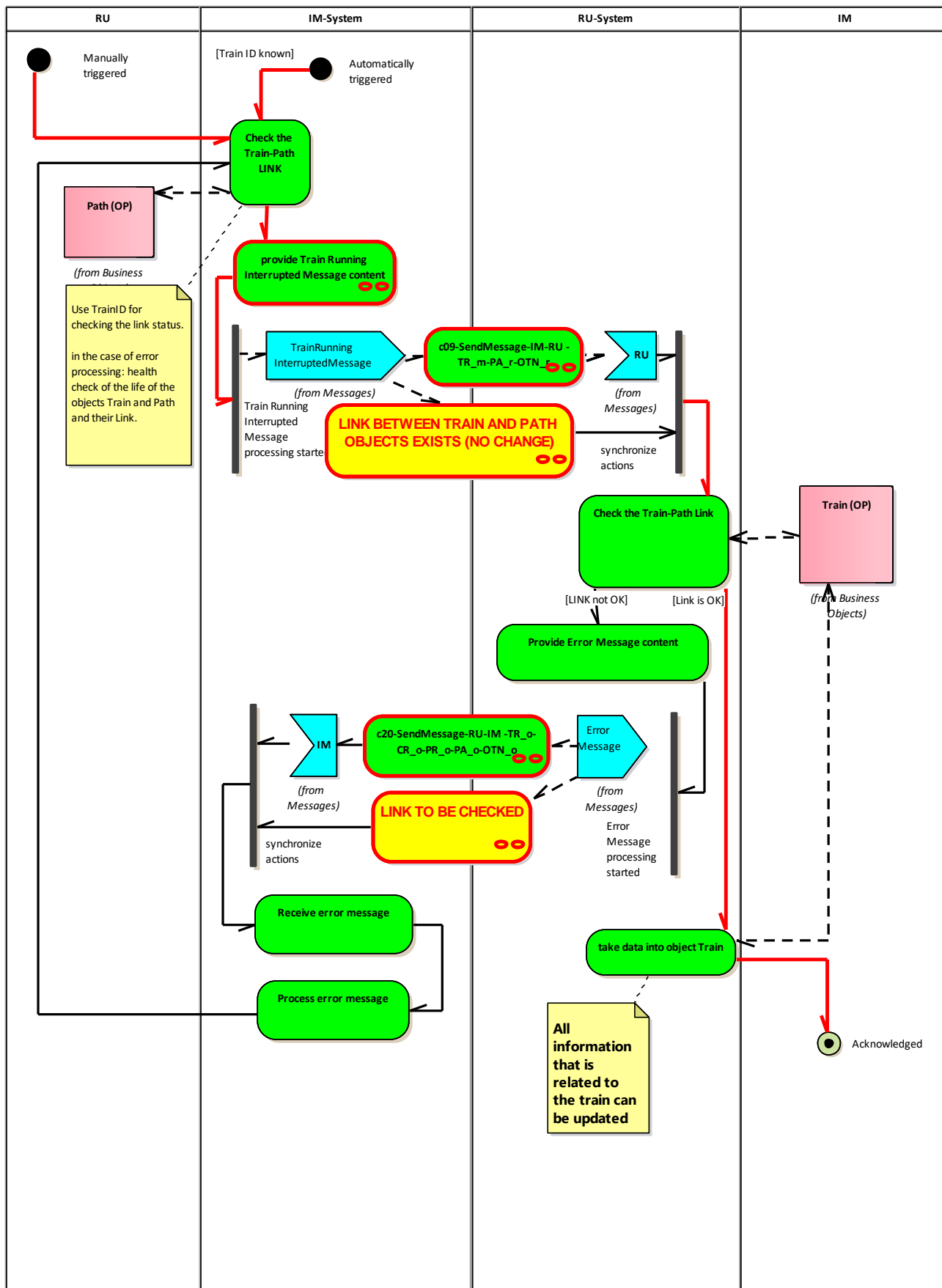


Figure 87: 4.20 Train Running Interrupted Activity







IM

Event in package 'Messages'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 15.03.2013



RU*Event in package 'Messages'*










RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 15.03.2013

CONNECTORS
<p> Dependency Source -> Destination From: RU : Event, Public To: synchronize actions : Synchronization, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>

Error Message*Trigger in package 'Messages'*

Error Message
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 15.03.2013. Last modified 21.05.2013



CONNECTORS
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Receive error message : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: Error Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency AnswerNotPossible Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

CONNECTORS
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processed : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

TrainRunning InterruptedMessage

Trigger in package 'Messages'

TrainRunning InterruptedMessage
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 21.05.2013




CONNECTORS	
 Dependency Source -> Destination From: TrainRunning InterruptedMessage : Trigger, Public To: Interrupted : State, Public	
 Dependency Source -> Destination From: Train Running Interrupted Message processing started : Synchronization, Public To: TrainRunning InterruptedMessage : Trigger, Public	


Path (OP)

Object owned by 'Path (Overview)', in package 'Business Objects'

Path (OP)
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.11.2012. Last modified 28.06.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Path (OP) to Path (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Path (OP) : Object, Public To: Train Running Forecast Message : Trigger, Public	
 Dependency Source -> Destination From: Path (OP) : Object, Public To: Path : Object, Public	
 Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (OP) : Object, Public	

ATTRIBUTES	
 PathID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Path (OP)	Target: Public (Object) PlannedJourenyLocation

ASSOCIATIONS	
Cardinality: [1]	Cardinality: [*]

Train (OP)


Object owned by 'Train (Overview)', in package 'Business Objects'

Train (OP)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 18.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Train (OP) to Train (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Train (OP) : Object, Public To: Train : Object, Public	

ATTRIBUTES	
 TrainID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Train (OP) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

Activity owned by 'Activity', in package 'Handbook-Operation'

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 21.05.2013

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 28.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Error Message to c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from TrainRunning InterruptedMessage to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK TO BE CHECKED

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK TO BE CHECKED
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from LINK TO BE CHECKED to synchronize actions

OUTGOING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS

➡ Information Flow from Error Message to LINK TO BE CHECKED

4.21 TRAIN DELAY CAUSE

UseCase in package 'Handbook-Operation'

4.21 TRAIN DELAY CAUSE
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.03.2013. Last modified 21.05.2013

ELEMENTS OWNED BY 4.21 TRAIN DELAY CAUSE

📄 TDC-Activity : Activity

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from 4.21 TRAIN DELAY CAUSE to Operation

[Direction is 'Source -> Destination'.]

CONNECTORS

🔗 **Dependency** Source -> Destination
From: Object : Object, Public
To: 4.21 TRAIN DELAY CAUSE : UseCase, Public

TDC-Activity

Activity owned by '4.21 TRAIN DELAY CAUSE', in package 'Handbook-Operation'

TDC-Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 02.04.2013

ELEMENTS OWNED BY TDC-Activity

📄 c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity

📄 c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity

📄 c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity

ELEMENTS OWNED BY TDC-Activity LINK TO BE CHECKED : Activity**4.21 Train Delay Cause Activity diagram**

Activity diagram in package 'Handbook-Operation'

4.21 Train Delay Cause Activity

Version 1.0

Hantak created on 02.04.2013. Last modified 28.11.2013

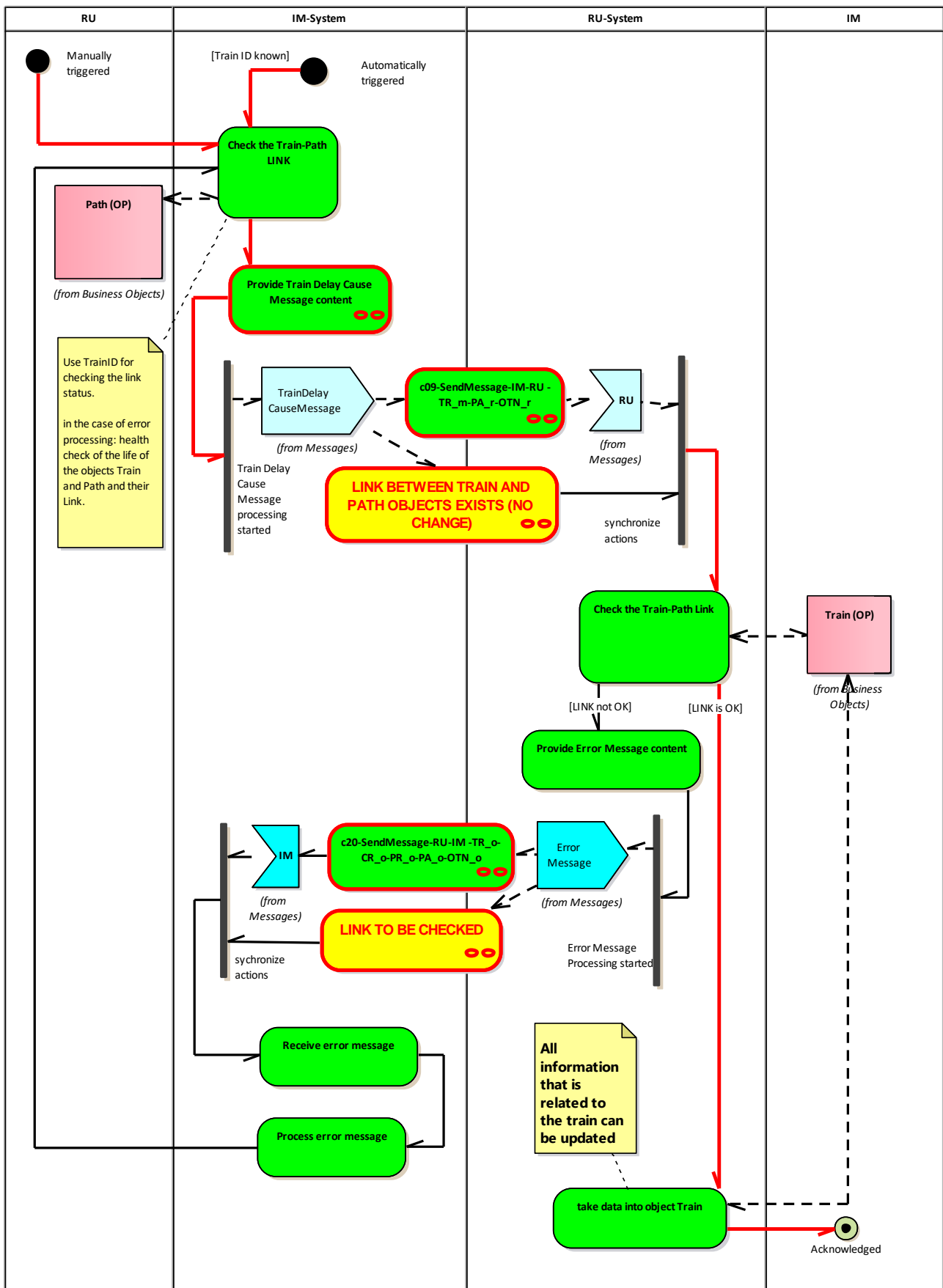


Figure 88: 4.21 Train Delay Cause Activity

IM







Event in package 'Messages'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 15.03.2013

RU

Event in package 'Messages'











RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 15.03.2013










CONNECTORS
<p> Dependency Source -> Destination From: RU : Event, Public To: synchronize actions : Synchronization, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>

Error Message

Trigger in package 'Messages'

Error Message
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 15.03.2013. Last modified 21.05.2013




CONNECTORS
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Receive error message : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: Error Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency AnswerNotPossible Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

CONNECTORS
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processed : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

TrainDelay CauseMessage

Trigger in package 'Messages'

TrainDelay CauseMessage
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 21.05.2013




CONNECTORS
<p> Dependency Source -> Destination From: TrainDelay CauseMessage : Trigger, Public To: In operation : State, Public</p>
<p> Dependency Source -> Destination From: TrainDelay CauseMessage : Trigger, Public To: Delayed : State, Public</p>
<p> Dependency Source -> Destination From: Train Delay Cause Message processing started : Synchronization, Public To: TrainDelay CauseMessage : Trigger, Public</p>


Path (OP)

Object owned by 'Path (Overview)', in package 'Business Objects'

Path (OP)
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 28.06.2013

OUTGOING STRUCTURAL RELATIONSHIPS
<p> Aggregation from Path (OP) to Path (Plan)</p> <p style="text-align: right;">[Direction is 'Source -> Destination'.]</p>

CONNECTORS
<p> Dependency Source -> Destination From: Path (OP) : Object, Public To: Train Running Forecast Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path (OP) : Object, Public To: Path : Object, Public</p>
<p> Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (OP) : Object, Public</p>

ATTRIBUTES
<p> PathID : CompositIdentifierOperationalType Private</p> <p style="text-align: right;">[Is static True. Containment is Not Specified.]</p>

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Path (OP) Cardinality: [1]	Target: Public (Object) PlannedJourenyLocation Cardinality: [*]

Train (OP)

Object owned by 'Train (Overview)', in package 'Business Objects'

Train (OP)
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 18.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Train (OP) to Train (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Train (OP) : Object, Public To: Train : Object, Public	

ATTRIBUTES	
 TrainID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Train (OP) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

Activity owned by 'TDC-Activity', in package 'Handbook-Operation'

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 21.05.2013. Last modified 21.05.2013

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r*Activity owned by 'TDC-Activity', in package 'Handbook-Operation'*

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o*Activity owned by 'TDC-Activity', in package 'Handbook-Operation'*

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 28.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇄ ControlFlow from c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇄ Information Flow from Error Message to c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o

LINK TO BE CHECKED*Activity owned by 'TDC-Activity', in package 'Handbook-Operation'*

LINK TO BE CHECKED
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇄ ControlFlow from LINK TO BE CHECKED to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇄ Information Flow from Error Message to LINK TO BE CHECKED

4.22 TRAIN PARKING*UseCase in package 'Handbook-Operation'*

4.22 TRAIN PARKING
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 21.05.2013

ELEMENTS OWNED BY 4.22 TRAIN PARKING
<p>☰ Activity : Activity</p>

Activity

Activity owned by '4.22 TRAIN PARKING', in package 'Handbook-Operation'

Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.04.2013

ELEMENTS OWNED BY Activity
<p>☰ c08-SendMessage-RU-IM -TR_m-PA_r-OTN_r : Activity</p>
<p>☰ c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity</p>
<p>☰ c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity</p>
<p>☰ c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity</p>
<p>☰ LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity</p>
<p>☰ LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity</p>
<p>☰ LINK TO BE CHECKED : Activity</p>

4.22 Train Parking Activity diagram

Activity diagram in package 'Handbook-Operation'

4.22 Train Parking Activity
 Version 1.0
 Hantak created on 02.04.2013. Last modified 18.11.2013

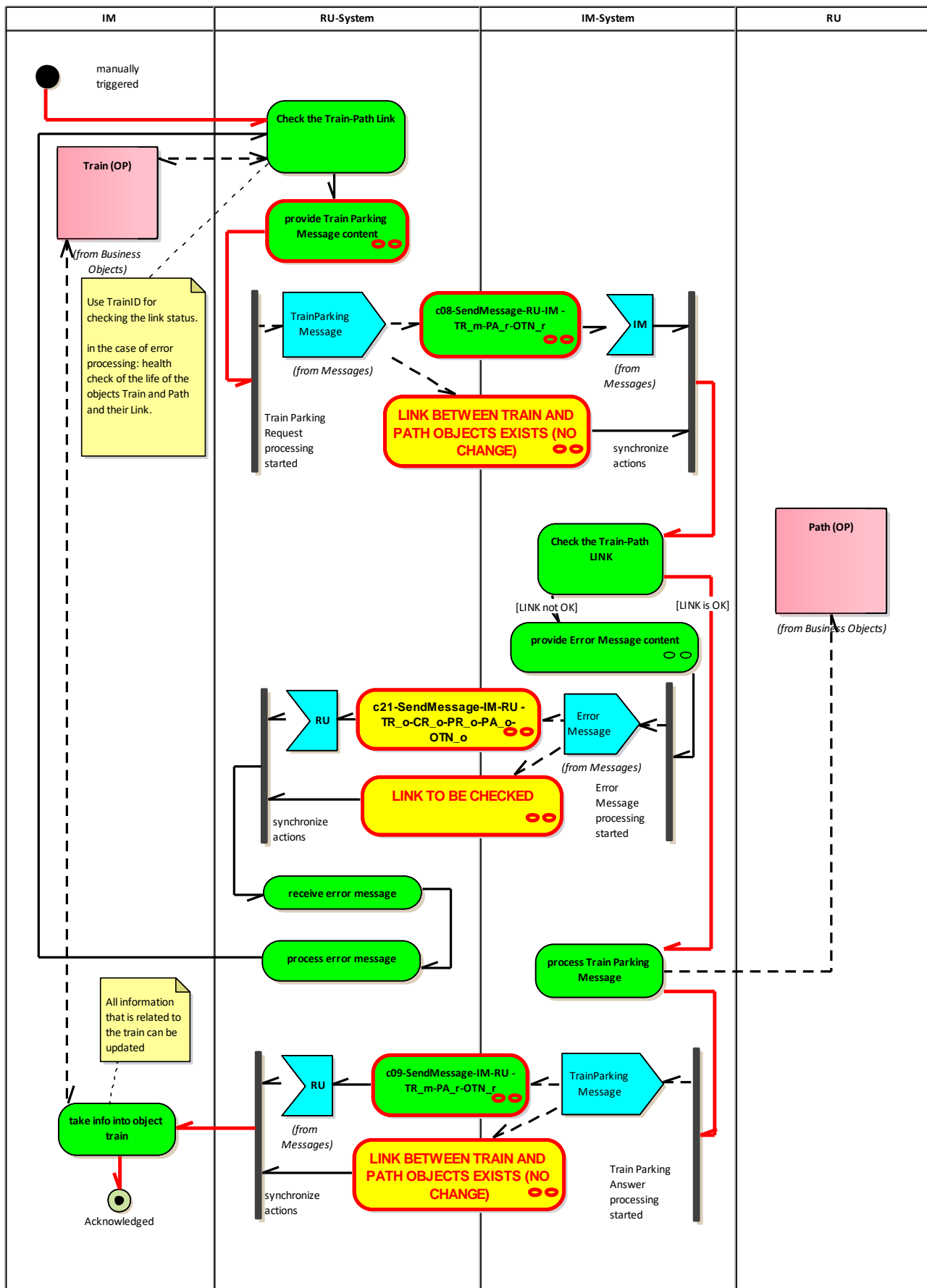


Figure 89: 4.22 Train Parking Activity

Note

Note in package 'Handbook-Operation'

All information that is related to the train can be updated

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 17.06.2013
Extends

IM







Event in package 'Messages'

IM
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 15.03.2013

RU

Event in package 'Messages'










RU
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 15.03.2013


CONNECTORS
<p> Dependency Source -> Destination From: RU : Event, Public To: synchronize actions : Synchronization, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>

Error Message

Trigger in package 'Messages'

Error Message
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 15.03.2013. Last modified 21.05.2013


CONNECTORS
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Receive error message : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: Error Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency AnswerNotPossible Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

CONNECTORS
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processed : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

TrainParking Message

Trigger in package 'Messages'

TrainParking Message
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 21.05.2013




CONNECTORS
<p> Dependency Source -> Destination</p> <p>From: Train Parking Request processing started : Synchronization, Public</p> <p>To: TrainParking Message : Trigger, Public</p>

Path (OP)

Object owned by 'Path (Overview)', in package 'Business Objects'

Path (OP)
 Version 1.0 Phase 1.0 Proposed
 seid.magljajic created on 08.11.2012. Last modified 28.06.2013

OUTGOING STRUCTURAL RELATIONSHIPS
<p> Aggregation from Path (OP) to Path (Plan)</p> <p>[Direction is 'Source -> Destination'.]</p>

CONNECTORS
<p> Dependency Source -> Destination</p> <p>From: Path (OP) : Object, Public</p> <p>To: Train Running Forecast Message : Trigger, Public</p>
<p> Dependency Source -> Destination</p> <p>From: Path (OP) : Object, Public</p> <p>To: Path : Object, Public</p>
<p> Dependency Source -> Destination</p> <p>From: OperationalTrainNumber (OTN) : Artifact, Public</p> <p>To: Path (OP) : Object, Public</p>

ATTRIBUTES
<p> PathID : CompositIdentifierOperationalType Private</p> <p>[Is static True. Containment is Not Specified.]</p>

ASSOCIATIONS
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) Path (OP) Target: Public (Object) PlannedJourneyLocation</p>

ASSOCIATIONS	
Cardinality: [1]	Cardinality: [*]


Train (OP)

Object owned by 'Train (Overview)', in package 'Business Objects'

Train (OP)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 18.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Train (OP) to Train (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Train (OP) : Object, Public To: Train : Object, Public	


ATTRIBUTES	
 TrainID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Train (OP) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]

c08-SendMessage-RU-IM -TR_m-PA_r-OTN_r

Activity owned by 'Activity', in package 'Handbook-Operation'

c08-SendMessage-RU-IM -TR_m-PA_r-OTN_r
Version 1.0 Phase 1.0 Proposed
Hantak created on 28.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS	
 ControlFlow from c08-SendMessage-RU-IM -TR_m-PA_r-OTN_r to IM	

INCOMING BEHAVIORAL RELATIONSHIPS

➡ Information Flow from TrainParking Message to c08-SendMessage-RU-IM -TR_m-PA_r-OTN_r

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

Activity owned by 'Activity', in package 'Handbook-Operation'

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 17.06.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⬅ Information Flow from c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r to IM

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

Activity owned by 'Activity', in package 'Handbook-Operation'

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 17.06.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⬅ ControlFlow from c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r to RU

INCOMING BEHAVIORAL RELATIONSHIPS

➡ Information Flow from TrainParking Message to c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⬅ ControlFlow from c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Information Flow from Error Message to c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0 Phase 1.0 Proposed

Hantak created on 17.06.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇨ ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Information Flow from TrainParking Message to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0 Phase 1.0 Proposed

Hantak created on 17.06.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇨ ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Information Flow from TrainParking Message to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK TO BE CHECKED

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK TO BE CHECKED

Version 1.0 Phase 1.0 Proposed

Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇨ ControlFlow from LINK TO BE CHECKED to synchronize actions

OUTGOING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡ Information Flow from Error Message to LINK TO BE CHECKED</p>

4.23 TRAIN REROUTED-WITHOUT NEW PATH-SAME OTN

UseCase in package 'Handbook-Operation'

4.23 TRAIN REROUTED-WITHOUT NEW PATH-SAME OTN
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 21.05.2013

ELEMENTS OWNED BY 4.23 TRAIN REROUTED-WITHOUT NEW PATH-SAME OTN
<p>📄 Activity : Activity</p>

Activity

Activity owned by '4.23 TRAIN REROUTED-WITHOUT NEW PATH-SAME OTN', in package 'Handbook-Operation'

Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.04.2013

ELEMENTS OWNED BY Activity
<p>📄 c02-SendMessage-IM-RU-TR_m-CR_m-PR_m-PA_m-OTN_o : Activity</p>
<p>📄 c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity</p>
<p>📄 c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity</p>
<p>📄 LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity</p>
<p>📄 LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity</p>
<p>📄 LINK TO BE CHECKED : Activity</p>

4.23 Train rerouted-without new path-same OTN Activity diagram

Activity diagram in package 'Handbook-Operation'

4.23 Train rerouted-without new path-same OTN Activity
Version 1.0
Hantak created on 02.04.2013. Last modified 18.11.2013

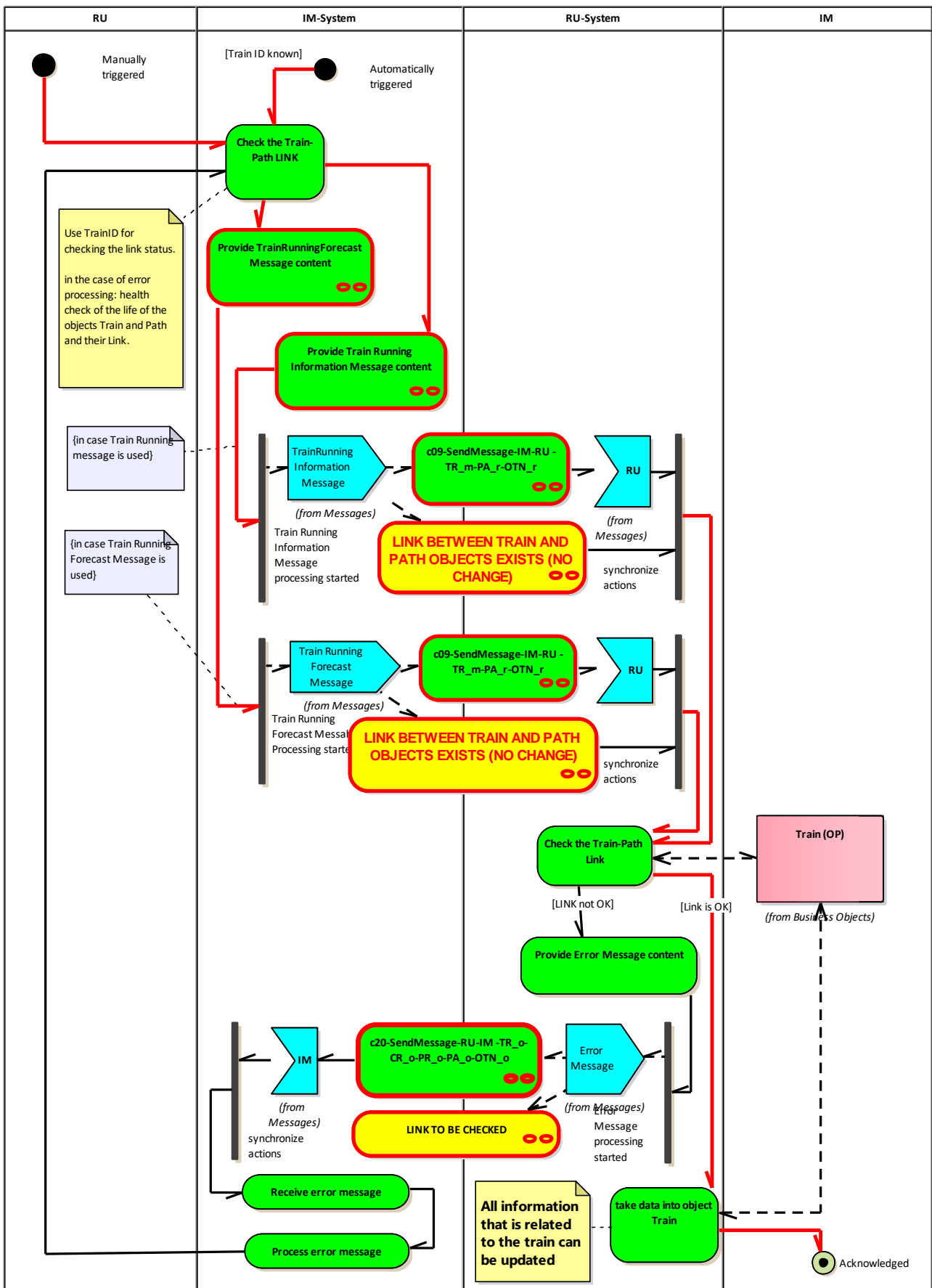


Figure 90: 4.23 Train rerouted-without new path-same OTN Activity

Constraint

Constraint in package 'Handbook-Operation'

in case Train Running message is used

Constraint
Version 1.0 Phase 1.0 Proposed
Hantak created on 18.06.2013. Last modified 18.06.2013
Extends

Constraint

Constraint in package 'Handbook-Operation'

in case Train Running Forecast Message is used

Constraint
Version 1.0 Phase 1.0 Proposed
Hantak created on 18.06.2013. Last modified 18.06.2013
Extends

IM




Event in package 'Messages'




IM
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 15.03.2013

RU

Event in package 'Messages'

RU
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 15.03.2013






CONNECTORS
<p> Dependency Source -> Destination From: RU : Event, Public To: synchronize actions : Synchronization, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>


CONNECTORS
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>





Error Message

Trigger in package 'Messages'

Error Message
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 15.03.2013. Last modified 21.05.2013

CONNECTORS
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Receive error message : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: Error Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency AnswerNotPossible Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>





CONNECTORS
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processed : Synchronization, Public To: Error Message : Trigger, Public</p>



CONNECTORS
<p> Dependency Source -> Destination From: Error message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

Train Running Forecast Message

Trigger in package 'Messages'

Train Running Forecast Message
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 15.03.2013. Last modified 04.06.2013






CONNECTORS
<p> Dependency Source -> Destination From: Train Running Forecast Message : Trigger, Public To: In operation : State, Public</p>
<p> Dependency Source -> Destination From: Train Running Forecast Message : Trigger, Public To: RU : ActivityPartition, Public</p>
<p> Dependency Source -> Destination From: Train Running Forecast Messaging started : Synchronization, Public To: Train Running Forecast Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path (OP) : Object, Public To: Train Running Forecast Message : Trigger, Public</p>

CONNECTORS	
 Dependency	Source -> Destination
From:	Train Running Forecast Processing started : Synchronization, Public
To:	Train Running Forecast Message : Trigger, Public
 Dependency	Source -> Destination
From:	Train Running Forecast Messahe Processing started : Synchronization, Public
To:	Train Running Forecast Message : Trigger, Public

TrainRunning Information Message

Trigger in package 'Messages'

TrainRunning Information Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 17.06.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	TrainRunning Information Message : Trigger, Public
To:	In operation : State, Public
 Dependency	Source -> Destination
From:	TrainRunning Information Message : Trigger, Public
To:	Delayed : State, Public
 Dependency	Source -> Destination
From:	Train Running Information Message processing started : Synchronization, Public
To:	TrainRunning Information Message : Trigger, Public
 Dependency	Source -> Destination
From:	Train Running Information Processing started : Synchronization, Public
To:	TrainRunning Information Message : Trigger, Public
 Dependency	Source -> Destination
From:	Train Running Information processing started : Synchronization, Public
To:	TrainRunning Information Message : Trigger, Public

Train (OP)

Object owned by 'Train (Overview)', in package 'Business Objects'

Train (OP)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 18.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from Train (OP) to Train (Plan) [Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
 From: Train (OP) : Object, Public
 To: Train : Object, Public

ATTRIBUTES

 TrainID : CompositIdentifierOperationalType Private [Is static True. Containment is Not Specified.]

ASSOCIATIONS

 Association (direction: Source -> Destination)

Source: Public (Object) Train (OP)	Target: Public (Object) TrainInformation
Cardinality: [1]	Cardinality: [1]

c02-SendMessage-IM-RU-TR_m-CR_m-PR_m-PA_m-OTN_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c02-SendMessage-IM-RU-TR_m-CR_m-PR_m-PA_m-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 20.05.2013. Last modified 20.05.2013

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

Activity owned by 'Activity', in package 'Handbook-Operation'

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 18.06.2013. Last modified 18.06.2013

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Error Message to c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0 Phase 1.0 Proposed

Hantak created on 18.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Train Running Forecast Message to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0 Phase 1.0 Proposed

Hantak created on 18.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from TrainRunning Information Message to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK TO BE CHECKED

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK TO BE CHECKED
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡ Information Flow from Error Message to LINK TO BE CHECKED</p>

4.24 TRAIN REROUTED-WITHOUT NEW PATH-CHANGED OTN

UseCase in package 'Handbook-Operation'

4.24 TRAIN REROUTED-WITHOUT NEW PATH-CHANGED OTN
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.09.2013

ELEMENTS OWNED BY 4.24 TRAIN REROUTED-WITHOUT NEW PATH-CHANGED OTN
<p>📄 Activity : Activity</p>

Activity

Activity owned by '4.24 TRAIN REROUTED-WITHOUT NEW PATH-CHANGED OTN', in package 'Handbook-Operation'

Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.04.2013

ELEMENTS OWNED BY Activity
<p>📄 c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m : Activity</p>
<p>📄 c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m : Activity</p>
<p>📄 c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity</p>
<p>📄 LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity</p>
<p>📄 LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity</p>

4.24 Train rerouted-without new path-changed OTN Activity diagram

Activity diagram in package 'Handbook-Operation'

4.24 Train rerouted-without new path-changed OTN Activity

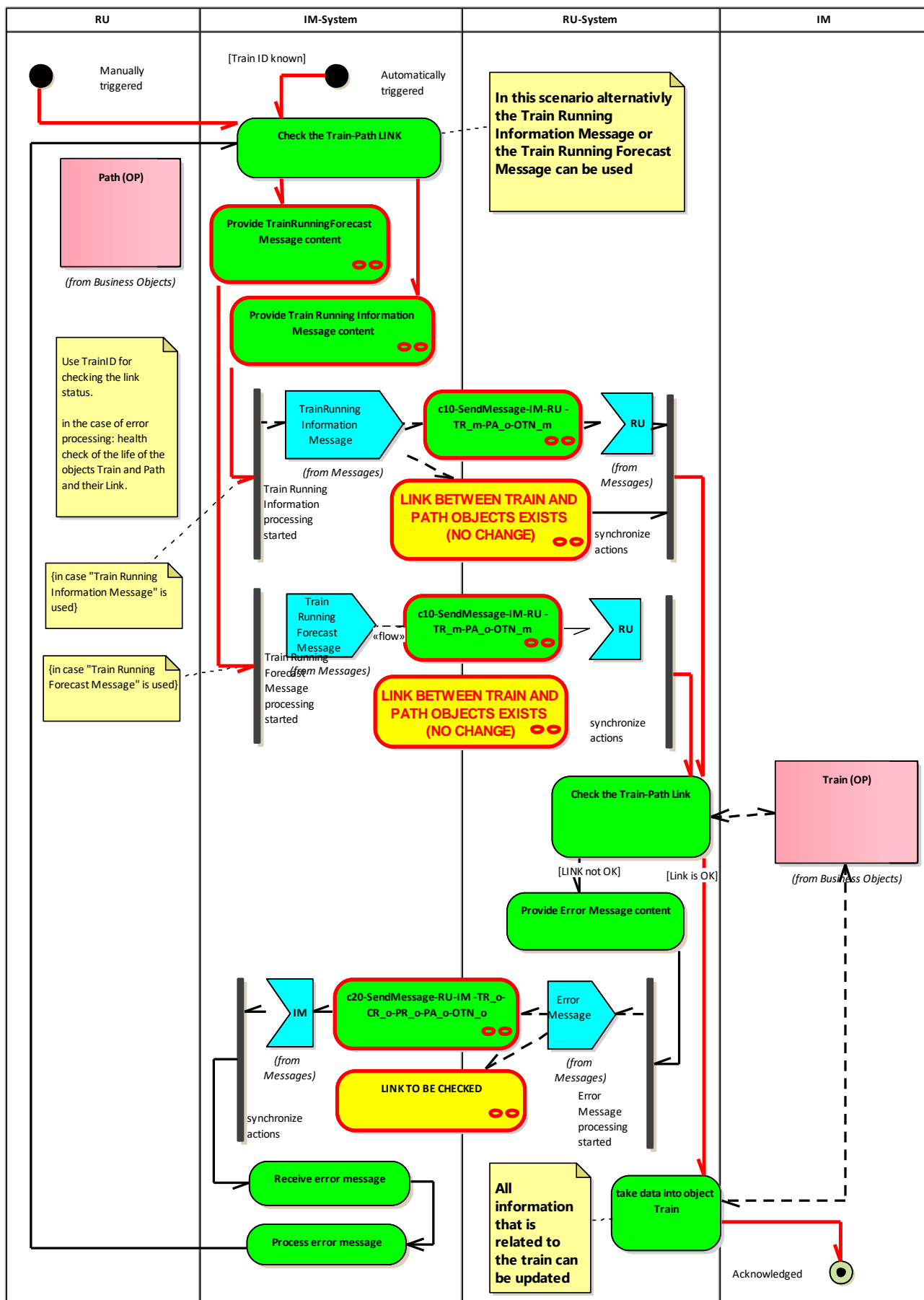


Figure 91: 4.24 Train rerouted-without new path-changed OTN Activity

Constraint

Constraint in package 'Handbook-Operation'

in case "Train Running Forecast Message" is used

Constraint
Version 1.0 Phase 1.0 Proposed
Hantak created on 19.06.2013. Last modified 19.06.2013
Extends

Constraint

Constraint in package 'Handbook-Operation'

in case "Train Running Information Message" is used

Constraint
Version 1.0 Phase 1.0 Proposed
Hantak created on 19.06.2013. Last modified 19.06.2013
Extends

IM




Event in package 'Messages'




IM
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 15.03.2013

RU

Event in package 'Messages'

RU
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 15.03.2013






CONNECTORS
<p> Dependency Source -> Destination From: RU : Event, Public To: synchronize actions : Synchronization, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>

CONNECTORS
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>


Error Message


Trigger in package 'Messages'


Error Message
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 15.03.2013. Last modified 21.05.2013


CONNECTORS
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Receive error message : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: Error Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency AnswerNotPossible Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>


CONNECTORS


 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public


 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public


 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public


 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public


 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public





 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public

 **Dependency** Source -> Destination
From: Error Message Processing started : Synchronization, Public
To: Error Message : Trigger, Public

 **Dependency** Source -> Destination
From: Error message Processing started : Synchronization, Public
To: Error Message : Trigger, Public

 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public





 **Dependency** Source -> Destination
From: Error message processed : Synchronization, Public
To: Error Message : Trigger, Public



CONNECTORS
<p> Dependency Source -> Destination From: Error message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

Train Running Forecast Message

Trigger in package 'Messages'

Train Running Forecast Message
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 15.03.2013. Last modified 04.06.2013






CONNECTORS
<p> Dependency Source -> Destination From: Train Running Forecast Message : Trigger, Public To: In operation : State, Public</p>
<p> Dependency Source -> Destination From: Train Running Forecast Message : Trigger, Public To: RU : ActivityPartition, Public</p>
<p> Dependency Source -> Destination From: Train Running Forecast Messaging started : Synchronization, Public To: Train Running Forecast Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path (OP) : Object, Public To: Train Running Forecast Message : Trigger, Public</p>

CONNECTORS	
 Dependency Source -> Destination From: Train Running Forecast Processing started : Synchronization, Public To: Train Running Forecast Message : Trigger, Public	
 Dependency Source -> Destination From: Train Running Forecast Messahe Processing started : Synchronization, Public To: Train Running Forecast Message : Trigger, Public	

TrainRunning Information Message

Trigger in package 'Messages'

TrainRunning Information Message
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 15.03.2013. Last modified 17.06.2013




CONNECTORS	
 Dependency Source -> Destination From: TrainRunning Information Message : Trigger, Public To: In operation : State, Public	
 Dependency Source -> Destination From: TrainRunning Information Message : Trigger, Public To: Delayed : State, Public	
 Dependency Source -> Destination From: Train Running Information Message processing started : Synchronization, Public To: TrainRunning Information Message : Trigger, Public	
 Dependency Source -> Destination From: Train Running Information Processing started : Synchronization, Public To: TrainRunning Information Message : Trigger, Public	
 Dependency Source -> Destination From: Train Running Information processing started : Synchronization, Public To: TrainRunning Information Message : Trigger, Public	


Path (OP)


Object owned by 'Path (Overview)', in package 'Business Objects'

Path (OP)
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.11.2012. Last modified 28.06.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Path (OP) to Path (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Path (OP) : Object, Public To: Train Running Forecast Message : Trigger, Public	
 Dependency Source -> Destination From: Path (OP) : Object, Public To: Path : Object, Public	
 Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (OP) : Object, Public	

ATTRIBUTES	
 PathID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Path (OP) Cardinality: [1]	Target: Public (Object) PlannedJourneyLocation Cardinality: [*]


Train (OP)

Object owned by 'Train (Overview)', in package 'Business Objects'

Train (OP)
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 18.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Train (OP) to Train (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination	
From:	Train (OP) : Object, Public
To:	Train : Object, Public



ATTRIBUTES	
 TrainID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]



ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Train (OP) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]

c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m

Activity owned by 'Activity', in package 'Handbook-Operation'

c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 21.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS	
 ControlFlow from c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m to RU	
 ControlFlow from c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m to RU	

INCOMING BEHAVIORAL RELATIONSHIPS	
 ControlFlow from Train Running Information processing started to c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m	
 Information Flow from TrainRunning Information Message to c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m	

c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m

Activity owned by 'Activity', in package 'Handbook-Operation'

c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m

Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 21.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m to RU

⇐ ControlFlow from c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Train Running Forecast Message to c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m

⇒ ControlFlow from Train Running Information processing started to c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Error Message to c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)




Activity owned by 'Activity', in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)
Version 1.0 Phase 1.0 Proposed
Hantak created on 19.06.2013. Last modified 19.06.2013

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)
Version 1.0 Phase 1.0 Proposed
Hantak created on 19.06.2013. Last modified 19.06.2013

STRUCTURAL PART OF LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)
 ObjectNode14 : ActionPin
OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions
INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from TrainRunning Information Message to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)


ObjectNode14

ActionPin owned by 'LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)', in package 'Handbook-Operation'

4.25 Train early/delayed-without new path-same OTN

UseCase in package 'Handbook-Operation'




4.25 Train early/delayed-without new path-same OTN
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.04.2013

ELEMENTS OWNED BY 4.25 Train early/delayed-without new path-same OTN
 Activity : Activity

Activity

Activity owned by '4.25 Train early/delayed-without new path-same OTN', in package 'Handbook-Operation'

Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.04.2013

ELEMENTS OWNED BY Activity
 c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity
 c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity
 c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity

ELEMENTS OWNED BY Activity
☰ c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity
☰ LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
☰ LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
☰ LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
☰ Path (OP) : Object
☰ Acknowledged : ActivityFinal
☰ c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity
☰ Check the Train-Path LINK with TRAIN ID : Activity
☰ takes data into object Train : Activity
☰ Receive error message : Activity

4.25 Train early/delayed-without new path-same OTN Activity diagram

Activity diagram in package 'Handbook-Operation'

4.25 Train early/delayed-without new path-same OTN Activity

Version 1.0

Hantak created on 02.04.2013. Last modified 18.11.2013

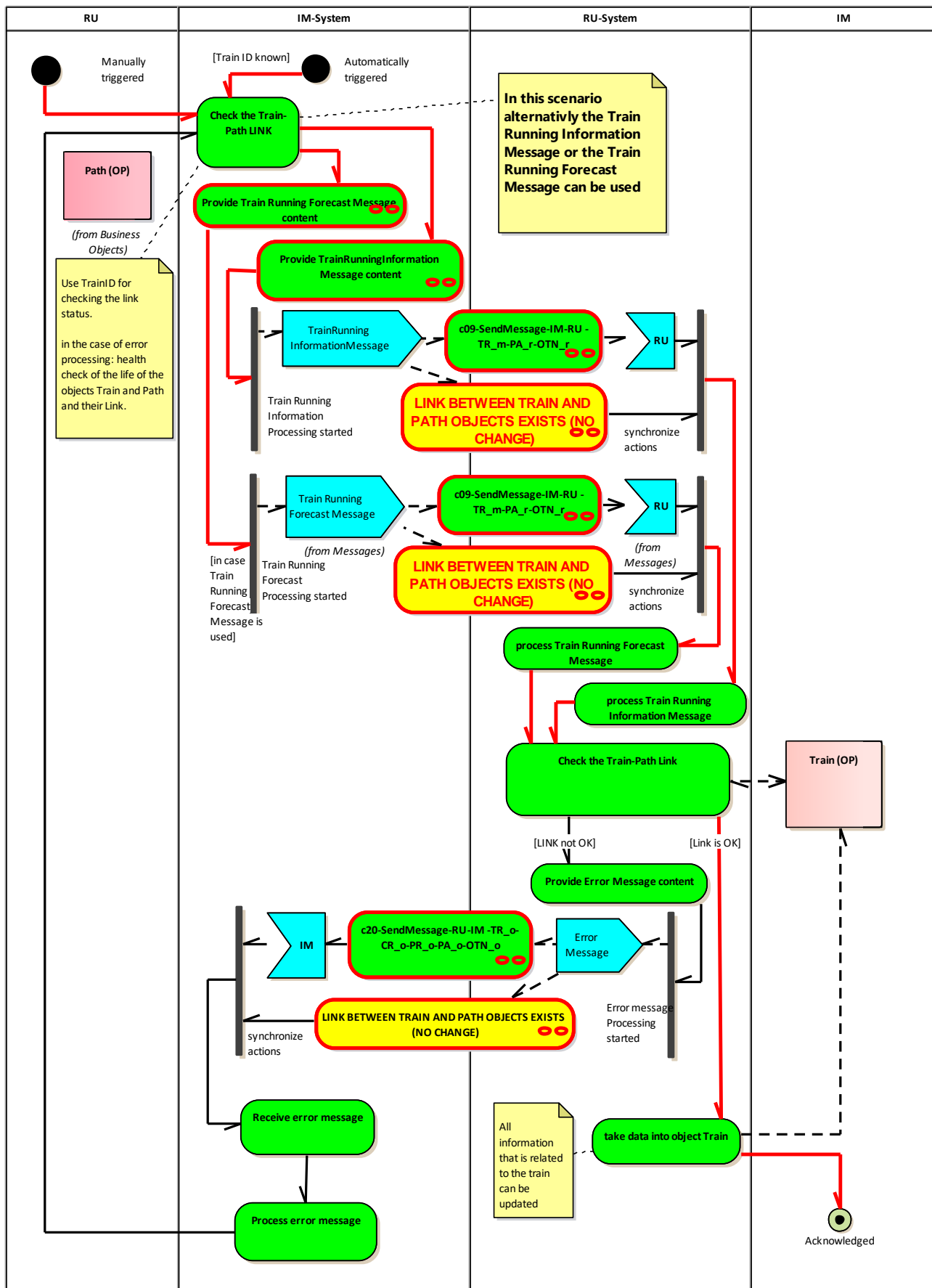


Figure 92: 4.25 Train early/delayed-without new path-same OTN Activity

Note

Note in package 'Handbook-Operation'


In this scenario alternatively the Train Running Information Message or the Train Running Forecast Message can be used

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 19.06.2013
Extends

RU

Event in package 'Messages'







RU
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 15.03.2013

CONNECTORS
<p> Dependency Source -> Destination From: RU : Event, Public To: synchronize actions : Synchronization, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>

Train Running Forecast Message

Trigger in package 'Messages'

Train Running Forecast Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 04.06.2013


CONNECTORS
<p> Dependency Source -> Destination From: Train Running Forecast Message : Trigger, Public To: In operation : State, Public</p>
<p> Dependency Source -> Destination From: Train Running Forecast Message : Trigger, Public To: RU : ActivityPartition, Public</p>
<p> Dependency Source -> Destination From: Train Running Forecast Messaging started : Synchronization, Public To: Train Running Forecast Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path (OP) : Object, Public To: Train Running Forecast Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Train Running Forecast Processing started : Synchronization, Public To: Train Running Forecast Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Train Running Forecast Messahe Processing started : Synchronization, Public To: Train Running Forecast Message : Trigger, Public</p>



Path (OP)

Object owned by 'Path (Overview)', in package 'Business Objects'

Path (OP)
 Version 1.0 Phase 1.0 Proposed
 seid.magljajic created on 08.11.2012. Last modified 28.06.2013

OUTGOING STRUCTURAL RELATIONSHIPS
<p> Aggregation from Path (OP) to Path (Plan) [Direction is 'Source -> Destination'.]</p>

CONNECTORS
<p> Dependency Source -> Destination From: Path (OP) : Object, Public To: Train Running Forecast Message : Trigger, Public</p>

CONNECTORS	
 Dependency Source -> Destination	
From: Path (OP) : Object, Public	
To: Path : Object, Public	
 Dependency Source -> Destination	
From: OperationalTrainNumber (OTN) : Artifact, Public	
To: Path (OP) : Object, Public	


ATTRIBUTES	
 PathID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Path (OP) Cardinality: [1]	Target: Public (Object) PlannedJourenyLocation Cardinality: [*]

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

Activity owned by 'Activity', in package 'Handbook-Operation'


c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 21.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS	
 ControlFlow from c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r to RU	

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

Activity owned by 'Activity', in package 'Handbook-Operation'

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 21.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS	
 ControlFlow from c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r to RU	

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

Activity owned by 'Activity', in package 'Handbook-Operation'

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 10.06.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r to RU</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from Train Running Forecast Message to c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r</p>

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

Activity owned by 'Activity', in package 'Handbook-Operation'

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 21.05.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r to RU</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from TrainRunning InformationMessage to c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r</p>

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r diagram

Activity diagram in package 'Handbook-Operation'

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
 Version 1.0
 km created on 10.06.2013. Last modified 10.06.2013

Figure 93: c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0 Phase 1.0 Proposed

Hantak created on 02.06.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from TrainRunning InformationMessage to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) diagram

Activity diagram in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0

km created on 10.06.2013. Last modified 10.06.2013

Figure 94: LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0 Phase 1.0 Proposed

Hantak created on 04.06.2013. Last modified 10.06.2013

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) diagram

Activity diagram in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0

km created on 10.06.2013. Last modified 10.06.2013

Figure 95: LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)


Activity owned by 'Activity', in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0 Phase 1.0 Proposed

Hantak created on 10.06.2013. Last modified 16.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from Train Running Forecast Message to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Path (OP)

Object owned by 'Activity', in package 'Handbook-Operation'

Path (OP)

Version 1.0 Phase 1.0 Proposed

seid.maglajlic created on 08.11.2012. Last modified 08.11.2012

ATTRIBUTES
 PathID : ComplIdentOPType Private [Is static True. Containment is Not Specified.]
 StartDate : Date Private [Is static True. Containment is Not Specified.]
 technParameters : Complex Private [Is static True. Containment is Not Specified.]
 Timetable : Timetable Private [Is static True. Containment is Not Specified.]

Acknowledged

ActivityFinal owned by 'Activity', in package 'Handbook-Operation'

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 27.05.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o to IM</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from Error Message to c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o</p>

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o diagram

Activity diagram in package 'Handbook-Operation'

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o
 Version 1.0
 km created on 10.06.2013. Last modified 10.06.2013

Figure 96: c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o

Check the Train-Path LINK with TRAIN ID

Activity owned by 'Activity', in package 'Handbook-Operation'


Check the Train-Path LINK with TRAIN ID
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 27.05.2013

takes data into object Train

Activity owned by 'Activity', in package 'Handbook-Operation'

takes data into object Train

Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 27.05.2013

ELEMENTS OWNED BY takes data into object Train
 Process error message : Activity

Process error message

Activity owned by 'takes data into object Train', in package 'Handbook-Operation'

Process error message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 19.06.2013

Receive error message


Activity owned by 'Activity', in package 'Handbook-Operation'

Receive error message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 27.05.2013

4.26 Train early/delayed-without new path-changed OTN

UseCase in package 'Handbook-Operation'



4.26 Train early/delayed-without new path-changed OTN
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.04.2013

ELEMENTS OWNED BY 4.26 Train early/delayed-without new path-changed OTN
 Activity : Activity

Activity

Activity owned by '4.26 Train early/delayed-without new path-changed OTN', in package 'Handbook-Operation'

Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.04.2013

ELEMENTS OWNED BY Activity
 Activity2 : Activity
 c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r : Activity

ELEMENTS OWNED BY Activity
☰ c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r : Activity
☰ c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r : Activity
☰ c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r : Activity
☰ c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity
☰ c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity
☰ c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity
☰ c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity
☰ c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m : Activity
☰ c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m : Activity
☰ LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
☰ LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
☰ LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
☰ LINK TO BE CHECKED : Activity
☰ Acknowledged : ActivityFinal
☰ c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity
☰ TrainRunning InformationMessage : Trigger
☰ IM : ActivityPartition

ELEMENTS OWNED BY Activity
IM-System : ActivityPartition
RU : ActivityPartition
RU-System : ActivityPartition

4.26 Train early/delayed-without new path-changed OTN Activity diagram

Activity diagram in package 'Handbook-Operation'

4.26 Train early/delayed-without new path-changed OTN Activity
Version 1.0
Hantak created on 02.04.2013. Last modified 18.11.2013

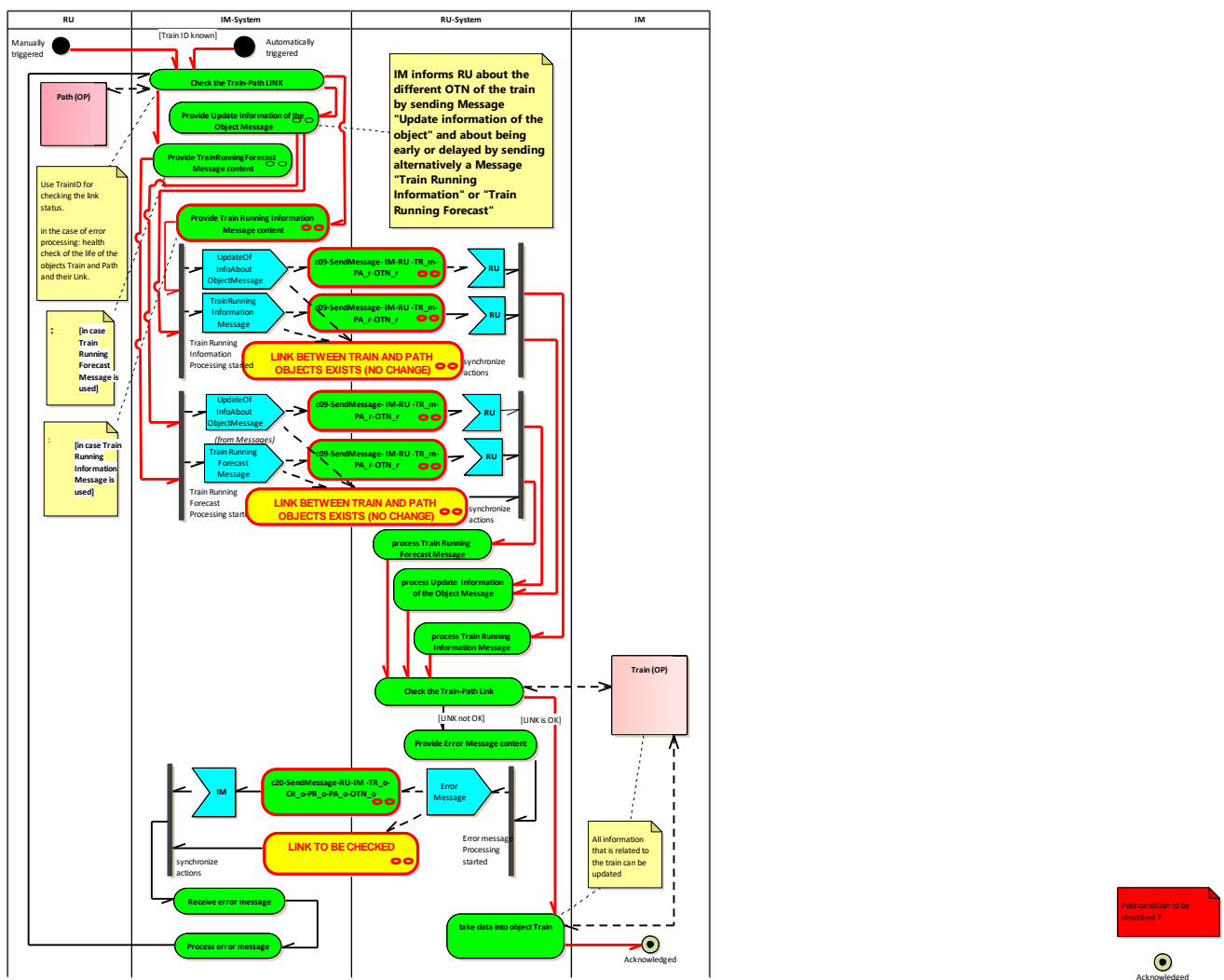


Figure 97: 4.26 Train early/delayed-without new path-changed OTN Activity

Note

Note in package 'Handbook-Operation'

:

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 18.06.2013. Last modified 18.06.2013
Extends

Note

Note in package 'Handbook-Operation'

:

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 18.06.2013. Last modified 18.06.2013
Extends

Note

Note in package 'Handbook-Operation'


IM informs RU about the different OTN of the train by sending Message "Update information of the object" and about being early or delayed by sending alternatively a Message "Train Running Information" or "Train Running Forecast"

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 18.06.2013. Last modified 18.06.2013
Extends

UpdateOf InfoAbout ObjectMessage

Trigger in package 'Messages'

UpdateOf InfoAbout ObjectMessage
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 17.06.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	Train Running Forecast Processing started : Synchronization, Public
To:	UpdateOf InfoAbout ObjectMessage : Trigger, Public

Activity2

Activity owned by 'Activity', in package 'Handbook-Operation'

Activity2
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 10.06.2013

c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r*Activity owned by 'Activity', in package 'Handbook-Operation'*

c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 18.09.2013. Last modified 18.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Information Flow from c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from UpdateOf InfoAbout ObjectMessage to c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r

c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r*Activity owned by 'Activity', in package 'Handbook-Operation'*

c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 18.09.2013. Last modified 18.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from TrainRunning Information Message to c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r

c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r*Activity owned by 'Activity', in package 'Handbook-Operation'*

c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 18.09.2013. Last modified 18.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from UpdateOf InfoAbout ObjectMessage to c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r

INCOMING BEHAVIORAL RELATIONSHIPS

c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r

Activity owned by 'Activity', in package 'Handbook-Operation'

c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 18.09.2013. Last modified 18.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r to RU

INCOMING BEHAVIORAL RELATIONSHIPS

Information Flow from Train Running Forecast Message to c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

Activity owned by 'Activity', in package 'Handbook-Operation'

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 17.06.2013. Last modified 17.06.2013

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

Activity owned by 'Activity', in package 'Handbook-Operation'

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 21.05.2013. Last modified 10.06.2013

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r diagram

Activity diagram in package 'Handbook-Operation'

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
 Version 1.0
 km created on 10.06.2013. Last modified 10.06.2013

Figure 98: c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

Activity owned by 'Activity', in package 'Handbook-Operation'

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 10.06.2013

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r diagram

Activity diagram in package 'Handbook-Operation'

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
Version 1.0
km created on 10.06.2013. Last modified 10.06.2013

Figure 99: c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

Activity owned by 'Activity', in package 'Handbook-Operation'

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 17.06.2013

c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m

Activity owned by 'Activity', in package 'Handbook-Operation'

c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 17.06.2013

c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m

Activity owned by 'Activity', in package 'Handbook-Operation'

c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 17.06.2013

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 04.06.2013. Last modified 17.06.2013

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) diagram

Activity diagram in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)
 Version 1.0
 km created on 10.06.2013. Last modified 10.06.2013

Figure 100: LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 10.06.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from UpdateOf InfoAbout ObjectMessage to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)</p>
<p>⇒ Information Flow from Train Running Forecast Message to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)</p>

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) diagram

Activity diagram in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)
 Version 1.0
 km created on 10.06.2013. Last modified 10.06.2013

Figure 101: LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0 Phase 1.0 Proposed

Hantak created on 02.06.2013. Last modified 10.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡ Information Flow from TrainRunning Information Message to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)</p>
<p>➡ Information Flow from UpdateOf InfoAbout ObjectMessage to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)</p>

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) diagram

Activity diagram in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0

km created on 10.06.2013. Last modified 10.06.2013

Figure 102: LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK TO BE CHECKED

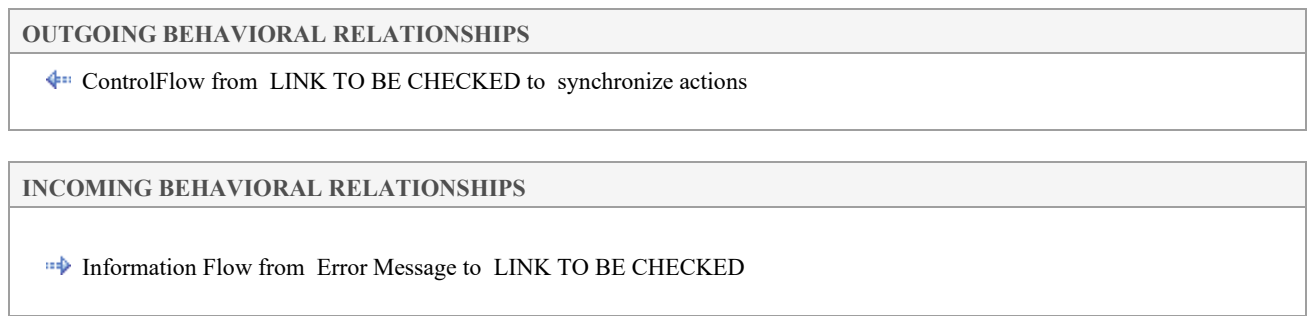
Activity owned by 'Activity', in package 'Handbook-Operation'

LINK TO BE CHECKED

Version 1.0 Phase 1.0 Proposed

Hantak created on 18.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS



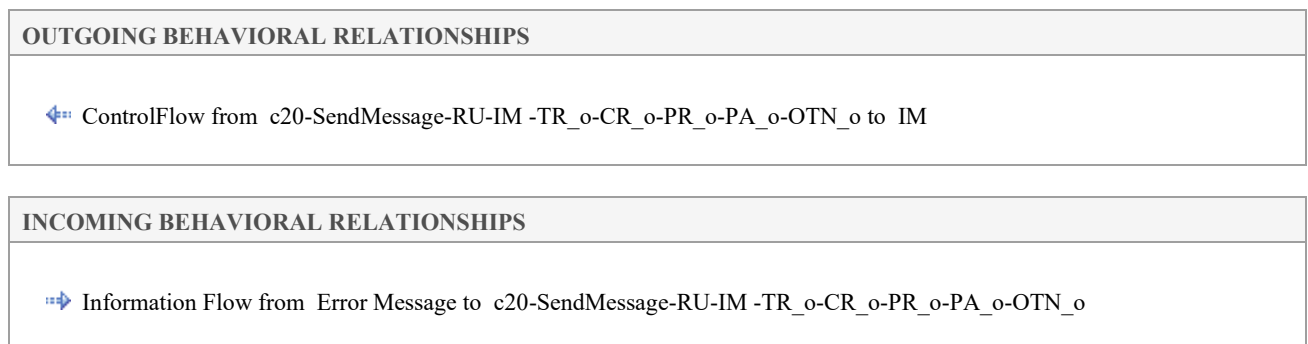
Acknowledged

ActivityFinal owned by 'Activity', in package 'Handbook-Operation'

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 27.05.2013. Last modified 10.06.2013



c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o diagram

Activity diagram in package 'Handbook-Operation'

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o
 Version 1.0
 km created on 10.06.2013. Last modified 10.06.2013

Figure 103: c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o

TrainRunning InformationMessage

Trigger owned by 'Activity', in package 'Handbook-Operation'

TrainRunning InformationMessage
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 10.06.2013

IM

ActivityPartition owned by 'Activity', in package 'Handbook-Operation'

IM
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 20.05.2013

IM-System

ActivityPartition owned by 'Activity', in package 'Handbook-Operation'

IM-System
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 20.05.2013

RU

ActivityPartition owned by 'Activity', in package 'Handbook-Operation'

RU
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 05.06.2013

RU-System

ActivityPartition owned by 'Activity', in package 'Handbook-Operation'


RU-System
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 20.05.2013

4.27 Train Shifting to an existing path-changed OTN

UseCase in package 'Handbook-Operation'

4.27 Train Shifting to an existing path-changed OTN
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 02.04.2013








ELEMENTS OWNED BY 4.27 Train Shifting to an existing path-changed OTN

 Activity : Activity

Activity

Activity owned by '4.27 Train Shifting to an existing path-changed OTN', in package 'Handbook-Operation'

Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 02.04.2013

ELEMENTS OWNED BY Activity
 BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
 c11-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_m : Activity
 c12-SendMessage-IM-RU -TR_m-CR_o-PA_m-OTN_m : Activity
 c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity
 CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
 LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
 LINK TO BE CHECKED : Activity

4.27 Train Shifting to an existing path-changed OTN Activity diagram

Activity diagram in package 'Handbook-Operation'

4.27 Train Shifting to an existing path-changed OTN Activity
Version 1.0
Hantak created on 02.04.2013. Last modified 18.11.2013

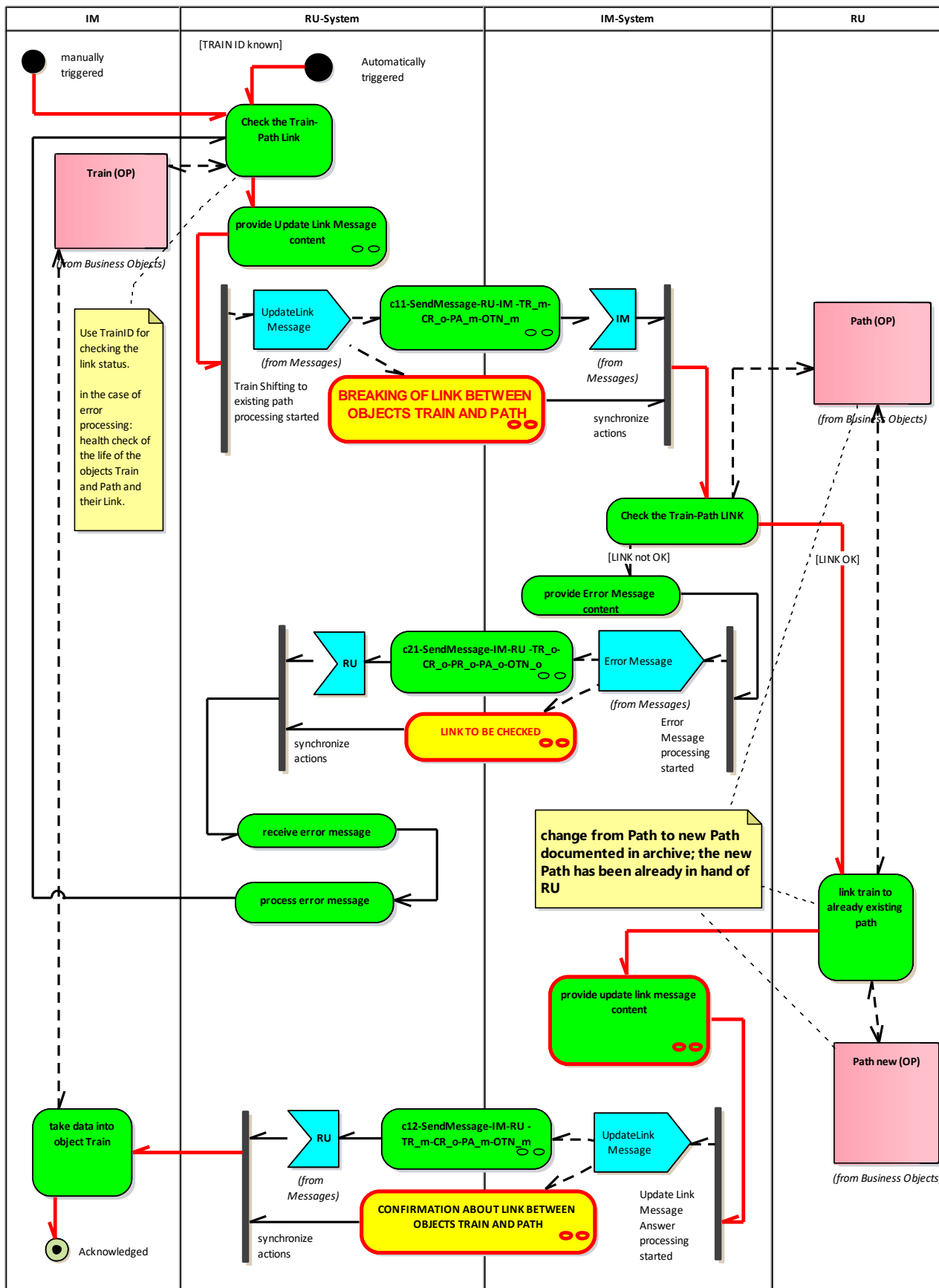


Figure 104: 4.27 Train Shifting to an existing path-changed OTN Activity

Note

Note in package 'Handbook-Operation'

change from Path to new Path documented in archive; the new Path has been already in hand of RU

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 18.06.2013
Extends

IM

Event in package 'Messages'

IM
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 15.03.2013

RU

Event in package 'Messages'










RU
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 15.03.2013


CONNECTORS
<p> Dependency Source -> Destination From: RU : Event, Public To: synchronize actions : Synchronization, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>

Error Message

Trigger in package 'Messages'

Error Message
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 15.03.2013. Last modified 21.05.2013








CONNECTORS
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Receive error message : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: Error Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency AnswerNotPossible Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

CONNECTORS
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processed : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

UpdateLink Message

Trigger in package 'Messages'

UpdateLink Message
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 21.05.2013

CONNECTORS
<p> Dependency Source -> Destination From: UpdateLink Message : Trigger, Public To: c16-SendMessage-RU-IM -TR_m-PA_m-OTN_m : Activity, Public</p>
<p> Dependency Source -> Destination From: UpdateLink Message : Trigger, Public To: Canceled : State, Public</p>
<p> Dependency Source -> Destination From: Update Link Message processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Update Link Message and Path Cancellation Message processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Update Link Message Processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Train Shifting to existing path processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Update Link Message processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>

Path new (OP)

Object in package 'Business Objects'

Path new (OP)
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 17.06.2013

Path (OP)

Object owned by 'Path (Overview)', in package 'Business Objects'

OUTGOING STRUCTURAL RELATIONSHIPS
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="flex: 1;"> Aggregation from Path (OP) to Path (Plan) </div> <div style="flex: 1; text-align: right; font-size: small;"> [Direction is 'Source -> Destination'.] </div> </div>

CONNECTORS
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="flex: 1;"> Dependency Source -> Destination From: Path (OP) : Object, Public To: Train Running Forecast Message : Trigger, Public </div> </div>
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="flex: 1;"> Dependency Source -> Destination From: Path (OP) : Object, Public To: Path : Object, Public </div> </div>
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="flex: 1;"> Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (OP) : Object, Public </div> </div>

ATTRIBUTES
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="flex: 1;"> PathID : CompositIdentifierOperationalType Private </div> <div style="flex: 1; text-align: right; font-size: small;"> [Is static True. Containment is Not Specified.] </div> </div>

ASSOCIATIONS
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="flex: 1;"> Association (direction: Source -> Destination) </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> Source: Public (Object) Path (OP) Cardinality: [1] </div> <div style="width: 45%; text-align: right;"> Target: Public (Object) PlannedJourenyLocation Cardinality: [*] </div> </div>

Train (OP)

Object owned by 'Train (Overview)', in package 'Business Objects'

OUTGOING STRUCTURAL RELATIONSHIPS
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="flex: 1;"> Aggregation from Train (OP) to Train (Plan) </div> <div style="flex: 1; text-align: right; font-size: small;"> [Direction is 'Source -> Destination'.] </div> </div>

CONNECTORS	
 Dependency Source -> Destination	
From: Train (OP) : Object, Public	
To: Train : Object, Public	

ATTRIBUTES	
 TrainID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Train (OP) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]

BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'Activity', in package 'Handbook-Operation'

BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from UpdateLink Message to BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH

c11-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_m

Activity owned by 'Activity', in package 'Handbook-Operation'

c11-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_m
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 21.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c11-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_m to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from UpdateLink Message to c11-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_m

c12-SendMessage-IM-RU -TR_m-CR_o-PA_m-OTN_m

Activity owned by 'Activity', in package 'Handbook-Operation'

c12-SendMessage-IM-RU -TR_m-CR_o-PA_m-OTN_m
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 21.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Information Flow from c12-SendMessage-IM-RU -TR_m-CR_o-PA_m-OTN_m to RU

⇐ ControlFlow from c12-SendMessage-IM-RU -TR_m-CR_o-PA_m-OTN_m to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from UpdateLink Message to c12-SendMessage-IM-RU -TR_m-CR_o-PA_m-OTN_m

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o to synchronize actions

⇐ ControlFlow from c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Error Message to c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH*Activity owned by 'Activity', in package 'Handbook-Operation'*

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Version 1.0 Phase 1.0 Proposed

Hantak created on 18.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

Information Flow from UpdateLink Message to CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)*Activity owned by 'Activity', in package 'Handbook-Operation'*

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0 Phase 1.0 Proposed

Hantak created on 17.06.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions

ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

Information Flow from Error Message to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK TO BE CHECKED*Activity owned by 'Activity', in package 'Handbook-Operation'*

LINK TO BE CHECKED

Version 1.0 Phase 1.0 Proposed


Hantak created on 17.06.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from LINK TO BE CHECKED to synchronize actions

ControlFlow from LINK TO BE CHECKED to synchronize actions


OUTGOING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from Error Message to LINK TO BE CHECKED

4.28 Train Shifting to a new path-changed OTN

UseCase in package 'Handbook-Operation'








4.28 Train Shifting to a new path-changed OTN
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 02.04.2013












ELEMENTS OWNED BY 4.28 Train Shifting to a new path-changed OTN
 Activity : Activity

Activity

Activity owned by '4.28 Train Shifting to a new path-changed OTN', in package 'Handbook-Operation'

Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 02.04.2013

ELEMENTS OWNED BY Activity
 BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
 c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o : Activity
 c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o : Activity
 c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o : Activity
 c13-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o-RelID_o : Activity
 c14-SendMessage-IM-RU -TR_m-CR_o-PR_m-PA_m-OTN_m-RelID_o : Activity

ELEMENTS OWNED BY Activity
 c14-SendMessage-IM-RU -TR_m-CR_o-PR_m-PA_m-OTN_m-RelID_o : Activity
 c15-SendMessage-RU-IM -TR_m-CR_o-PR_m-PA_m-OTN_m-RelID_o : Activity
 c16-SendMessage-RU-IM -TR_m-PA_m-OTN_m : Activity
 c17-SendMessage-IM-RU -TR_m-PA_m-OTN_m : Activity
 c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity
 CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
 CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
 LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
 LINK TO BE CHECKED : Activity
 REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
 PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity

4.28 Train Shifting to a new path-changed OTN Activity diagram

Activity diagram in package 'Handbook-Operation'

4.28 Train Shifting to a new path-changed OTN Activity
Version 1.0
Hantak created on 02.04.2013. Last modified 18.11.2013

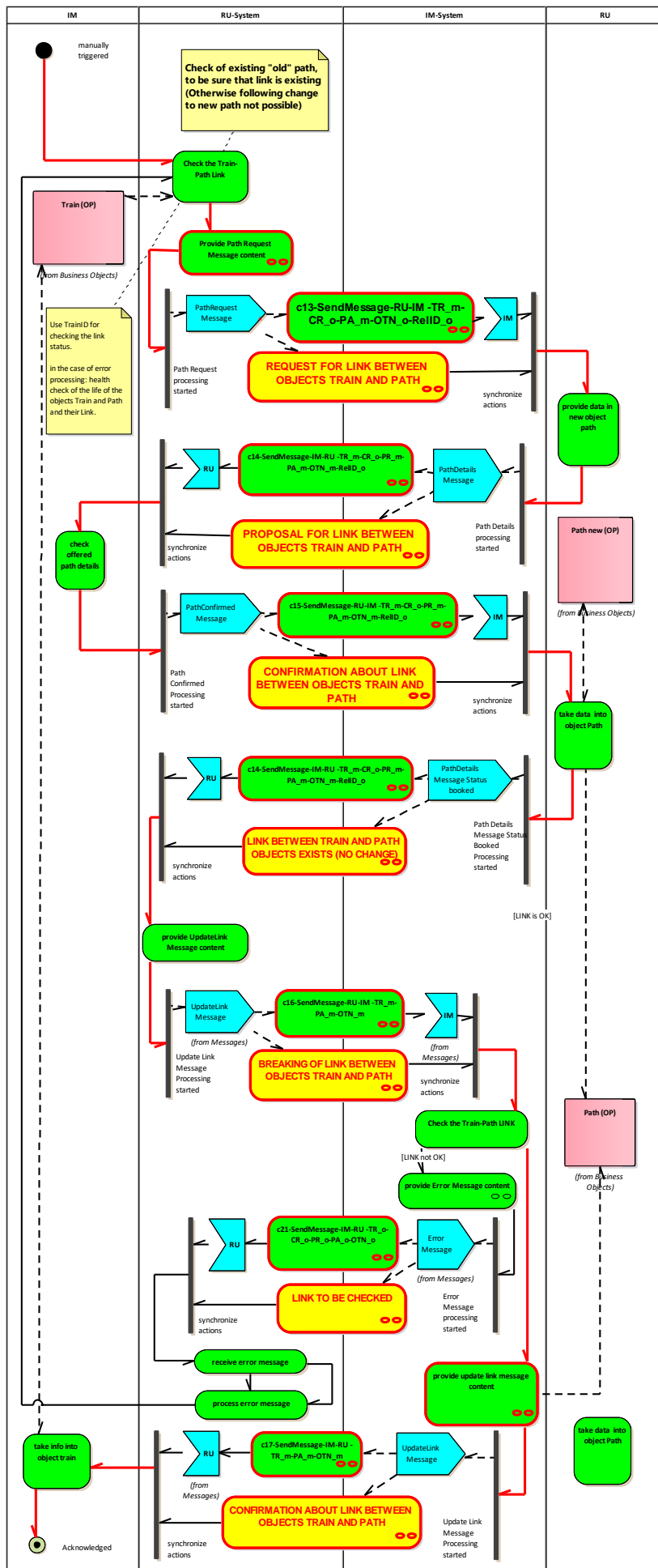


Figure 105: 4.28 Train Shifting to a new path-changed OTN Activity

Note

Note in package 'Handbook-Operation'

Check of existing "old" path, to be sure that link is existing (Otherwise following change to new path not possible)

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 19.06.2013. Last modified 19.06.2013
Extends

IM






Event in package 'Messages'


IM
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 15.03.2013

RU

Event in package 'Messages'

RU
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 15.03.2013








CONNECTORS
<p> Dependency Source -> Destination From: RU : Event, Public To: synchronize actions : Synchronization, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>

CONNECTORS
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>



Error Message

Trigger in package 'Messages'

Error Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 15.03.2013. Last modified 21.05.2013

CONNECTORS
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Receive error message : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: Error Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency AnswerNotPossible Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>





CONNECTORS
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processed : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>


CONNECTORS
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

UpdateLink Message

Trigger in package 'Messages'

UpdateLink Message
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 21.05.2013

CONNECTORS
<p> Dependency Source -> Destination From: UpdateLink Message : Trigger, Public To: c16-SendMessage-RU-IM -TR_m-PA_m-OTN_m : Activity, Public</p>
<p> Dependency Source -> Destination From: UpdateLink Message : Trigger, Public To: Canceled : State, Public</p>
<p> Dependency Source -> Destination From: Update Link Message processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Update Link Message and Path Cancellation Message processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Update Link Message Processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Train Shifting to existing path processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>

CONNECTORS
<p> Dependency Source -> Destination</p> <p>From: Update Link Message processing started : Synchronization, Public</p> <p>To: UpdateLink Message : Trigger, Public</p>

Path new (OP)

Object in package 'Business Objects'




Path new (OP)
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 17.06.2013


Path (OP)

Object owned by 'Path (Overview)', in package 'Business Objects'

Path (OP)
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 28.06.2013

OUTGOING STRUCTURAL RELATIONSHIPS
<p> Aggregation from Path (OP) to Path (Plan)</p> <p style="text-align: right;">[Direction is 'Source -> Destination'.]</p>

CONNECTORS
<p> Dependency Source -> Destination</p> <p>From: Path (OP) : Object, Public</p> <p>To: Train Running Forecast Message : Trigger, Public</p>
<p> Dependency Source -> Destination</p> <p>From: Path (OP) : Object, Public</p> <p>To: Path : Object, Public</p>
<p> Dependency Source -> Destination</p> <p>From: OperationalTrainNumber (OTN) : Artifact, Public</p> <p>To: Path (OP) : Object, Public</p>

ATTRIBUTES
<p> PathID : CompositIdentifierOperationalType Private</p> <p style="text-align: right;">[Is static True. Containment is Not Specified.]</p>

ASSOCIATIONS

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Path (OP) Cardinality: [1]	Target: Public (Object) PlannedJourenyLocation Cardinality: [*]


Train (OP)


Object owned by 'Train (Overview)', in package 'Business Objects'

Train (OP)
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 18.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Train (OP) to Train (Plan)	
[Direction is 'Source -> Destination'.]	

CONNECTORS	
 Dependency Source -> Destination	
From: Train (OP) : Object, Public	
To: Train : Object, Public	

ATTRIBUTES	
 TrainID : CompositIdentifierOperationalType Private	
[Is static True. Containment is Not Specified.]	

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Train (OP) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]

BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'Activity', in package 'Handbook-Operation'

BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from UpdateLink Message to BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 10.06.2013

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o diagram

Activity diagram in package 'Handbook-Operation'

c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o
Version 1.0
km created on 10.06.2013. Last modified 10.06.2013

Figure 106: c01-SendMessage-RU-IM -TR_m-CR_m-PR_m-OTN_o-RelID_o

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 31.05.2013. Last modified 10.06.2013

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o diagram

Activity diagram in package 'Handbook-Operation'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o
Version 1.0
km created on 10.06.2013. Last modified 10.06.2013

Figure 107: c02-SendMessage-IM-RU -TR_m-CR_m-PR_m- PA_m-OTN_o-RelID_o

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 10.06.2013

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o diagram

Activity diagram in package 'Handbook-Operation'

c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o
Version 1.0
km created on 10.06.2013. Last modified 10.06.2013

Figure 108: c02-SendMessage-IM-RU -TR_m-CR_m-PR_m-PA_m-OTN_o

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 31.05.2013. Last modified 10.06.2013

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o diagram

Activity diagram in package 'Handbook-Operation'

c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
Version 1.0
km created on 10.06.2013. Last modified 10.06.2013

Figure 109: c03-SendMessage-RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c13-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o-RelID_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c13-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 28.06.2013. Last modified 17.11.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇄ ControlFlow from c13-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o-RelID_o to IM</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇄ Information Flow from PathRequest Message to c13-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o-RelID_o</p>

c14-SendMessage-IM-RU -TR_m-CR_o-PR_m-PA_m-OTN_m-RelID_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c14-SendMessage-IM-RU -TR_m-CR_o-PR_m-PA_m-OTN_m-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 28.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇄ ControlFlow from c14-SendMessage-IM-RU -TR_m-CR_o-PR_m-PA_m-OTN_m-RelID_o to RU</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇄ Information Flow from PathDetails Message Status booked to c14-SendMessage-IM-RU -TR_m-CR_o-PR_m-PA_m-OTN_m-RelID_o</p>

c14-SendMessage-IM-RU -TR_m-CR_o-PR_m-PA_m-OTN_m-RelID_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c14-SendMessage-IM-RU -TR_m-CR_o-PR_m-PA_m-OTN_m-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 28.06.2013. Last modified 17.11.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c14-SendMessage-IM-RU -TR_m-CR_o-PR_m-PA_m-OTN_m-RelID_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from PathDetails Message to c14-SendMessage-IM-RU -TR_m-CR_o-PR_m-PA_m-OTN_m-RelID_o

c15-SendMessage-RU-IM -TR_m-CR_o-PR_m-PA_m-OTN_m-RelID_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c15-SendMessage-RU-IM -TR_m-CR_o-PR_m-PA_m-OTN_m-RelID_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 28.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c15-SendMessage-RU-IM -TR_m-CR_o-PR_m-PA_m-OTN_m-RelID_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from PathConfirmed Message to c15-SendMessage-RU-IM -TR_m-CR_o-PR_m-PA_m-OTN_m-RelID_o

c16-SendMessage-RU-IM -TR_m-PA_m-OTN_m

Activity owned by 'Activity', in package 'Handbook-Operation'

c16-SendMessage-RU-IM -TR_m-PA_m-OTN_m
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c16-SendMessage-RU-IM -TR_m-PA_m-OTN_m to IM

CONNECTORS

↗ **Dependency** Source -> Destination
 From: UpdateLink Message : Trigger, Public
 To: c16-SendMessage-RU-IM -TR_m-PA_m-OTN_m : Activity, Public

c17-SendMessage-IM-RU -TR_m-PA_m-OTN_m

Activity owned by 'Activity', in package 'Handbook-Operation'

c17-SendMessage-IM-RU -TR_m-PA_m-OTN_m
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c17-SendMessage-IM-RU -TR_m-PA_m-OTN_m to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from UpdateLink Message to c17-SendMessage-IM-RU -TR_m-PA_m-OTN_m

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Error Message to c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'Activity', in package 'Handbook-Operation'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from UpdateLink Message to CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'Activity', in package 'Handbook-Operation'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.06.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from PathConfirmed Message to CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH</p>

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH diagram

Activity diagram in package 'Handbook-Operation'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0
 km created on 10.06.2013. Last modified 10.06.2013

Figure 110: CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 04.06.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from PathDetails Message Status booked to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)</p>

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) diagram

Activity diagram in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)
 Version 1.0
 km created on 10.06.2013. Last modified 10.06.2013

Figure 111: LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK TO BE CHECKED

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK TO BE CHECKED
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from LINK TO BE CHECKED to synchronize actions</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from Error Message to LINK TO BE CHECKED</p>

REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'Activity', in package 'Handbook-Operation'

REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 30.05.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from PathRequest Message to REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH</p>

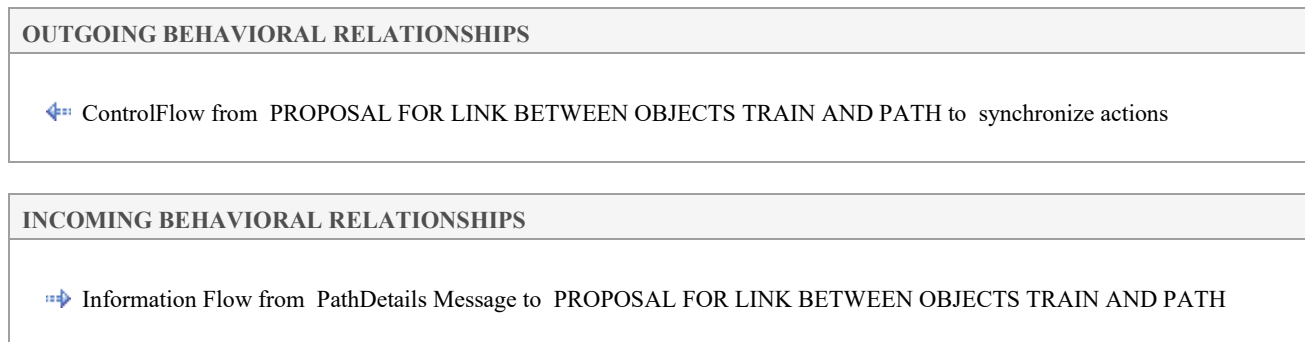
REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH diagram*Activity diagram in package 'Handbook-Operation'*

REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0
 km created on 10.06.2013. Last modified 10.06.2013

Figure 112: REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH*Activity owned by 'Activity', in package 'Handbook-Operation'*

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 30.05.2013. Last modified 10.06.2013

**PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH diagram***Activity diagram in package 'Handbook-Operation'*

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0
 km created on 10.06.2013. Last modified 10.06.2013

Figure 113: PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

4.29 Train Cancellation-Path remains in hand of RU

UseCase in package 'Handbook-Operation'

4.29 Train Cancellation-Path remains in hand of RU
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.04.2013

ELEMENTS OWNED BY 4.29 Train Cancellation-Path remains in hand of RU
<ul style="list-style-type: none"> Activity : Activity

Activity

Activity owned by '4.29 Train Cancellation-Path remains in hand of RU', in package 'Handbook-Operation'

Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.04.2013

ELEMENTS OWNED BY Activity
<ul style="list-style-type: none"> c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity
<ul style="list-style-type: none"> c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity
<ul style="list-style-type: none"> LINK TO BE CHECKED : Activity

4.29 Train Cancellation-Path remains in hand of RU Activity diagram

Activity diagram in package 'Handbook-Operation'

4.29 Train Cancellation-Path remains in hand of RU Activity
 Version 1.0
 Hantak created on 02.04.2013. Last modified 18.11.2013

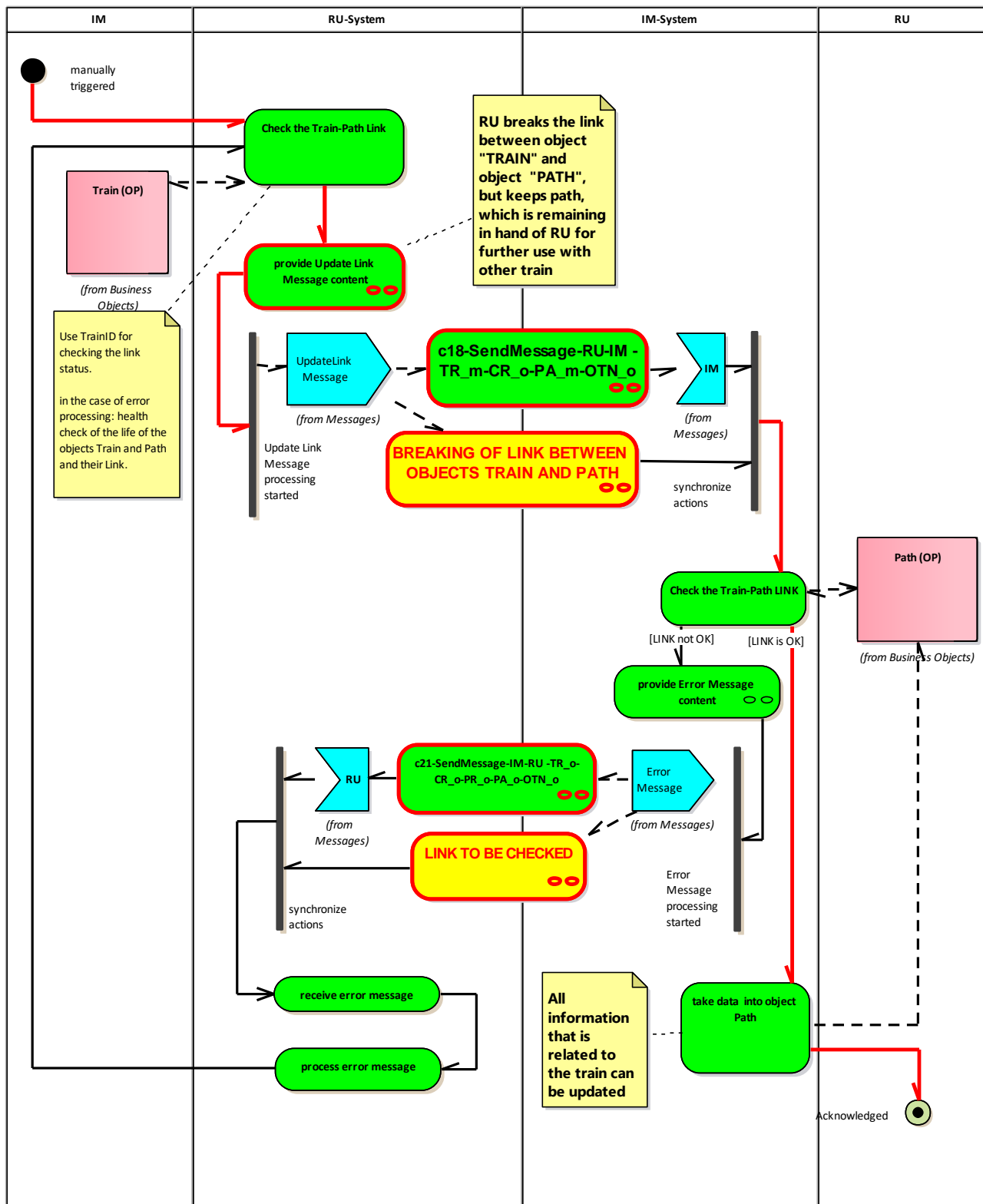


Figure 114: 4.29 Train Cancellation-Path remains in hand of RU Activity

Note

Note in package 'Handbook-Operation'

RU breaks the link between object "TRAIN" and object "PATH", but keeps path, which is remaining in hand of RU for further use with other train

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 19.06.2013. Last modified 19.06.2013

Extends

IM*Event in package 'Messages'*











IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 15.03.2013










RU*Event in package 'Messages'*

RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 15.03.2013

CONNECTORS
<p> Dependency Source -> Destination From: RU : Event, Public To: synchronize actions : Synchronization, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>

Error Message*Trigger in package 'Messages'*








CONNECTORS
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Receive error message : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: Error Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency AnswerNotPossible Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

CONNECTORS
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processed : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

UpdateLink Message

Trigger in package 'Messages'

UpdateLink Message
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 21.05.2013




CONNECTORS
<p> Dependency Source -> Destination From: UpdateLink Message : Trigger, Public To: c16-SendMessage-RU-IM -TR_m-PA_m-OTN_m : Activity, Public</p>
<p> Dependency Source -> Destination From: UpdateLink Message : Trigger, Public To: Canceled : State, Public</p>
<p> Dependency Source -> Destination From: Update Link Message processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Update Link Message and Path Cancellation Message processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Update Link Message Processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Train Shifting to existing path processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Update Link Message processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>

Path (OP)


Object owned by 'Path (Overview)', in package 'Business Objects'

Path (OP)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 28.06.2013

OUTGOING STRUCTURAL RELATIONSHIPS
<p> Aggregation from Path (OP) to Path (Plan)</p> <p style="text-align: right;">[Direction is 'Source -> Destination'.]</p>

CONNECTORS	
 Dependency Source -> Destination From: Path (OP) : Object, Public To: Train Running Forecast Message : Trigger, Public	
 Dependency Source -> Destination From: Path (OP) : Object, Public To: Path : Object, Public	
 Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (OP) : Object, Public	

ATTRIBUTES	
 PathID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Path (OP) Cardinality: [1]	Target: Public (Object) PlannedJourenyLocation Cardinality: [*]

Train (OP)

Object owned by 'Train (Overview)', in package 'Business Objects'

Train (OP)
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.11.2012. Last modified 18.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Train (OP) to Train (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Train (OP) : Object, Public To: Train : Object, Public	

ATTRIBUTES	

ATTRIBUTES	
 TrainID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Train (OP) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o


Activity owned by 'Activity', in package 'Handbook-Operation'

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 28.06.2013. Last modified 28.06.2013


OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from Error Message to c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o


LINK TO BE CHECKED

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK TO BE CHECKED
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from LINK TO BE CHECKED to synchronize actions


OUTGOING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from Error Message to LINK TO BE CHECKED

4.30 Train Cancellation-Path also cancelled by RU

UseCase in package 'Handbook-Operation'




4.30 Train Cancellation-Path also cancelled by RU
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.04.2013

ELEMENTS OWNED BY 4.30 Train Cancellation-Path also cancelled by RU
 Activity : Activity

Activity

Activity owned by '4.30 Train Cancellation-Path also cancelled by RU', in package 'Handbook-Operation'

Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.04.2013

ELEMENTS OWNED BY Activity
 BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
 c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity
 LINK TO BE CHECKED : Activity

4.30 Train Cancellation-Path also cancelled by RU Activity diagram

Activity diagram in package 'Handbook-Operation'

4.30 Train Cancellation-Path also cancelled by RU Activity
 Version 1.0
 Hantak created on 02.04.2013. Last modified 18.11.2013

Note in package 'Handbook-Operation'

The IM may accept the breaking of the link just with the Path cancellation message;

see WG 10 Handbook for further description.

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 19.06.2013. Last modified 19.06.2013
Extends

IM



Event in package 'Messages'


IM
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 15.03.2013

RU

Event in package 'Messages'

RU
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 15.03.2013








CONNECTORS
<p> Dependency Source -> Destination From: RU : Event, Public To: synchronize actions : Synchronization, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>

CONNECTORS
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>



Error Message

Trigger in package 'Messages'

Error Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 15.03.2013. Last modified 21.05.2013

CONNECTORS
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Receive error message : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: Error Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency AnswerNotPossible Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>



CONNECTORS
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processed : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

CONNECTORS
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

PathCancellation Message

Trigger in package 'Messages'



PathCancellation Message
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 21.05.2013






CONNECTORS
<p> Dependency Source -> Destination From: PathCancellation Message : Trigger, Public To: Canceled : State, Public</p>
<p> Dependency Source -> Destination From: Update Link Message and Path Cancellation Message processing started : Synchronization, Public To: PathCancellation Message : Trigger, Public</p>

UpdateLink Message

Trigger in package 'Messages'

UpdateLink Message
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 21.05.2013

CONNECTORS
<p> Dependency Source -> Destination From: UpdateLink Message : Trigger, Public To: c16-SendMessage-RU-IM -TR_m-PA_m-OTN_m : Activity, Public</p>
<p> Dependency Source -> Destination From: UpdateLink Message : Trigger, Public To: Canceled : State, Public</p>



CONNECTORS
<p> Dependency Source -> Destination From: Update Link Message processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Update Link Message and Path Cancellation Message processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Update Link Message Processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Train Shifting to existing path processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Update Link Message processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>


Path (OP)


Object owned by 'Path (Overview)', in package 'Business Objects'

Path (OP)
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 28.06.2013

OUTGOING STRUCTURAL RELATIONSHIPS
<p> Aggregation from Path (OP) to Path (Plan) [Direction is 'Source -> Destination'.]</p>

CONNECTORS
<p> Dependency Source -> Destination From: Path (OP) : Object, Public To: Train Running Forecast Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path (OP) : Object, Public To: Path : Object, Public</p>

CONNECTORS
<p> Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (OP) : Object, Public</p>

ATTRIBUTES
<p> PathID : CompositIdentifierOperationalType Private [Is static True. Containment is Not Specified.]</p>

ASSOCIATIONS		
<p> Association (direction: Source -> Destination)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> Source: Public (Object) Path (OP) Cardinality: [1] </td> <td style="width: 50%; border: none;"> Target: Public (Object) PlannedJourenyLocation Cardinality: [*] </td> </tr> </table>	Source: Public (Object) Path (OP) Cardinality: [1]	Target: Public (Object) PlannedJourenyLocation Cardinality: [*]
Source: Public (Object) Path (OP) Cardinality: [1]	Target: Public (Object) PlannedJourenyLocation Cardinality: [*]	

Train (OP)

Object owned by 'Train (Overview)', in package 'Business Objects'

Train (OP)
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 18.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS
<p> Aggregation from Train (OP) to Train (Plan) [Direction is 'Source -> Destination'.]</p>

CONNECTORS
<p> Dependency Source -> Destination From: Train (OP) : Object, Public To: Train : Object, Public</p>

ATTRIBUTES
<p> TrainID : CompositIdentifierOperationalType Private [Is static True. Containment is Not Specified.]</p>

ASSOCIATIONS		
<p> Association (direction: Source -> Destination)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> Source: Public (Object) Train (OP) </td> <td style="width: 50%; border: none;"> Target: Public (Object) TrainInformation </td> </tr> </table>	Source: Public (Object) Train (OP)	Target: Public (Object) TrainInformation
Source: Public (Object) Train (OP)	Target: Public (Object) TrainInformation	

ASSOCIATIONS	
Cardinality: [1]	Cardinality: [1]

BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'Activity', in package 'Handbook-Operation'

BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013


OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from UpdateLink Message to BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

Activity owned by 'Activity', in package 'Handbook-Operation'

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o to RU

INCOMING BEHAVIORAL RELATIONSHIPS
 Information Flow from Error Message to c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

LINK TO BE CHECKED

Activity owned by 'Activity', in package 'Handbook-Operation'

LINK TO BE CHECKED
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from LINK TO BE CHECKED to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Error Message to LINK TO BE CHECKED

Operation

UseCase in package 'Handbook-Operation'

Operation
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.03.2013. Last modified 18.03.2013

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from 4.17.2 TRAIN RUNNING FORECAST to Operation
[Direction is 'Source -> Destination'.]

⇒ Generalization from 4.21 TRAIN DELAY CAUSE to Operation
[Direction is 'Source -> Destination'.]


⇒ Generalization from 4.16.2 TRAIN RUNNING INFORMATION to Operation
[Direction is 'Source -> Destination'.]


Object

Object «business actor» in package 'Handbook-Operation'


Object
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.03.2013. Last modified 18.03.2013

CONNECTORS

 **Dependency** Source -> Destination
From: Object : Object, Public
To: 4.21 TRAIN DELAY CAUSE : UseCase, Public

 **Dependency** Source -> Destination
From: Object : Object, Public
To: 4.16.2 TRAIN RUNNING INFORMATION : UseCase, Public

CONNECTORS

 **Dependency** Source -> Destination
 From: Object : Object, Public
 To: 4.17.2 TRAIN RUNNING FORECAST : UseCase, Public

Object

Object «business actor» in package 'Handbook-Operation'

Object
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 18.03.2013

provide Path Request Message content

Activity in package 'Handbook-Operation'

provide Path Request Message content
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 18.06.2013. Last modified 19.06.2013

provide Update Link Message


Activity in package 'Handbook-Operation'

provide Update Link Message
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 17.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

 ControlFlow from provide Update Link Message to Update Link Message processing started

INCOMING BEHAVIORAL RELATIONSHIPS

 ControlFlow from provide data in new object path to provide Update Link Message

LINK TO BE CHECKED

UMLDiagram in package 'Handbook-Operation'

LINK TO BE CHECKED
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 18.06.2013. Last modified 18.06.2013
 Extends





RU


ActivityPartition in package 'Handbook-Operation'

RU

Version 1.0 Phase 1.0 Proposed

Hantak created on 02.04.2013. Last modified 11.08.2014

ELEMENTS OWNED BY RU
 link train to already existing path : Activity
 Path (OP) : Object
 book path for requesting RU : Activity
 provide data in new object path : Activity
 take data into object Path : Activity
 take data into object Path : Activity
 Manually triggered : ActivityInitial
 Acknowledged : ActivityFinal



CONNECTORS
 Dependency Source -> Destination From: Train Running Forecast Message : Trigger, Public To: RU : ActivityPartition, Public

link train to already existing path*Activity owned by 'RU', in package 'Handbook-Operation'*

link train to already existing path

Version 1.0 Phase 1.0 Proposed

Hantak created on 17.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from link train to already existing path to provide update link message content
 Information Flow from link train to already existing path to Path new (OP)

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ Information Flow from link train to already existing path to Path (OP)</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Check the Train-Path LINK to link train to already existing path Guard: LINK OK</p>

Path (OP)

Object owned by 'RU', in package 'Handbook-Operation'

Path (OP)
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 10.06.2013

ATTRIBUTES
<p>◆ PathID : CompIdentOPType Private [Is static True. Containment is Not Specified.]</p>
<p>◆ StartDate : Date Private [Is static True. Containment is Not Specified.]</p>
<p>◆ technParameters : Complex Private [Is static True. Containment is Not Specified.]</p>
<p>◆ Timetable : Timetable Private [Is static True. Containment is Not Specified.]</p>

book path for requesting RU

Activity owned by 'RU', in package 'Handbook-Operation'

book path for requesting RU
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.06.2013. Last modified 02.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from book path for requesting RU to update object Path</p>
<p>⇐ Information Flow from book path for requesting RU to Path (Plan)</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from synchronize actions to book path for requesting RU</p>
<p>⇒ ControlFlow from provide data in new object path to book path for requesting RU Guard: Pre-acceptance indicated</p>

provide data in new object path

Activity owned by 'RU', in package 'Handbook-Operation'

provide data in new object path
Version 1.0 Phase 1.0 Proposed
Hantak created on 30.05.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from provide data in new object path to provide Update Link Message</p>
<p>⇐ Information Flow from provide data in new object path to Path (OP)</p>
<p>⇐ ControlFlow from provide data in new object path to Path Details processing started</p>
<p>⇐ ControlFlow from provide data in new object path to Acknowledged</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Check the Train-Path LINK to provide data in new object path Guard: LINK is OK</p>
<p>⇒ ControlFlow from synchronize actions to provide data in new object path</p>

take data into object Path

Activity owned by 'RU', in package 'Handbook-Operation'

take data into object Path
Version 1.0 Phase 1.0 Proposed
Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ Information Flow from take data into object Path to Path (OP)</p>

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from take data into object Path to Path Details Message Status Booked Processing started
⇐ Information Flow from take data into object Path to Path new (OP)
⇐ ControlFlow from take data into object Path to Acknowledged

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from synchronize actions to take data into object Path
⇒ ControlFlow from Check the Train-Path LINK to take data into object Path Guard: LINK is OK

take data into object Path

Activity owned by 'RU', in package 'Handbook-Operation'

take data into object Path
Version 1.0 Phase 1.0 Proposed
Hantak created on 19.06.2013. Last modified 19.06.2013

Manually triggered

ActivityInitial owned by 'RU', in package 'Handbook-Operation'

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from Manually triggered to Check the Train-Path LINK

Acknowledged

ActivityFinal owned by 'RU', in package 'Handbook-Operation'

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from take data into object Train to Acknowledged
⇒ ControlFlow from provide data in new object path to Acknowledged
⇒ ControlFlow from take data into object Path to Acknowledged

INCOMING BEHAVIORAL RELATIONSHIPS

➡ ControlFlow from take data into object Train to Acknowledged

IM-System

ActivityPartition in package 'Handbook-Operation'

IM-System
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 20.05.2013

ELEMENTS OWNED BY IM-System

📄 c18-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o : Activity

📄 c19-SendMessage-RU-IM -CR_o-PA_m-OTN_o : Activity

📄 LINK TO BE CHECKED : Activity

📄 provide Train Running Interrupted Message content : Activity

📄 provide update link message content : Activity

📄 Path (OP) : Object

📄 provide Error Message content : Activity

📄 provide Error Message content : Activity

📄 LINK TO BE CHECKED : Activity


















📄 Check the Train-Path LINK : Activity

📄 Provide Train Running Information Message content : Activity

📄 Provide TrainRunningInformation Message content : Activity

📄 Provide TrainRunningForecast Message content : Activity


ELEMENTS OWNED BY IM-System
<ul style="list-style-type: none"> ☐ Provide Train Running Forecast Message content : Activity
<ul style="list-style-type: none"> ☐ Provide Train Delay Cause Message content : Activity
<ul style="list-style-type: none"> ☐ Provide TrainDelayPerformance Message content : Activity
<ul style="list-style-type: none"> ☐ Provide TrainForecastAtReportingLocation Message content : Activity
<ul style="list-style-type: none"> ☐ Provide Update Information of the Object Message : Activity
<ul style="list-style-type: none"> ☐ LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
<ul style="list-style-type: none"> ☐ LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
<ul style="list-style-type: none"> ☐ LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
<ul style="list-style-type: none"> ☐ LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) : Activity
<ul style="list-style-type: none"> ☐ c08-SendMessage- RU-IM -TR_m-PA_r-OTN_r : Activity
<ul style="list-style-type: none"> ☐ c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity
<ul style="list-style-type: none"> ☐ c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity
<ul style="list-style-type: none"> ☐ c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity
<ul style="list-style-type: none"> ☐ c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity
<ul style="list-style-type: none"> ☐ process Train Parking Message : Activity
<ul style="list-style-type: none"> ☐ Receive error message : Activity
<ul style="list-style-type: none"> ☐ Process error message : Activity

ELEMENTS OWNED BY IM-System
 take data into object Train : Activity
 UpdateLink Message : Trigger
 IM : Event
 IM : Event
 IM : Event
 IM : Event
 IM : Event
 Automatically triggered : ActivityInitial
 TrainParking Message : Trigger
 UpdateOf InfoAbout ObjectMessage : Trigger
 Error Message : Trigger
 PathDetails Message : Trigger
 PathDetails Message Status booked : Trigger
 UpdateLinkMessage : Trigger
 Train Running Forecast Message : Trigger
 TrainRunning Information Message : Trigger
 TrainRunning InformationMessage : Trigger

ELEMENTS OWNED BY IM-System

 UpdateLink Message : Trigger

CONNECTORS

 **Dependency** Source -> Destination

From: IM-System : ActivityPartition, Public


To: TrainRunningForecastAt ReportingLocationMessage : Trigger, Public

c18-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o


Activity owned by 'IM-System', in package 'Handbook-Operation'

c18-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 28.06.2013. Last modified 17.11.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

 ControlFlow from c18-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS


 Information Flow from UpdateLink Message to c18-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o

c19-SendMessage-RU-IM -CR_o-PA_m-OTN_o


Activity owned by 'IM-System', in package 'Handbook-Operation'

c19-SendMessage-RU-IM -CR_o-PA_m-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 28.06.2013. Last modified 17.11.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

 ControlFlow from c19-SendMessage-RU-IM -CR_o-PA_m-OTN_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

 Information Flow from PathCancellation Message to c19-SendMessage-RU-IM -CR_o-PA_m-OTN_o

LINK TO BE CHECKED

Activity owned by 'IM-System', in package 'Handbook-Operation'

LINK TO BE CHECKED
Version 1.0 Phase 1.0 Proposed
Hantak created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Error Message to LINK TO BE CHECKED

provide Train Running Interrupted Message content

Activity owned by 'IM-System', in package 'Handbook-Operation'

provide Train Running Interrupted Message content
Version 1.0 Phase 1.0 Proposed
Hantak created on 18.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from provide Train Running Interrupted Message content to Train Running Interrupted Message processing started

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Check the Train-Path LINK to provide Train Running Interrupted Message content

provide Train Running Interrupted Message content diagram

Activity diagram in package 'Handbook-Operation'

provide Train Running Interrupted Message content
Version 1.0
km created on 18.06.2013. Last modified 18.06.2013

Figure 116: provide Train Running Interrupted Message content

provide update link message content

Activity owned by 'IM-System', in package 'Handbook-Operation'

provide update link message content
Version 1.0 Phase 1.0 Proposed
Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐:: Information Flow from provide update link message content to Path (OP)</p>
<p>⇐:: ControlFlow from provide update link message content to Update Link Message Processing started</p>
<p>⇐:: ControlFlow from provide update link message content to Update Link Message Answer processing started</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒:: ControlFlow from Check the Train-Path LINK to provide update link message content Guard: LINK is OK</p>
<p>⇒:: ControlFlow from link train to already existing path to provide update link message content</p>

provide update link message content diagram

Activity diagram in package 'Handbook-Operation'

provide update link message content
Version 1.0
km created on 19.06.2013. Last modified 19.06.2013

Figure 117: provide update link message content

Path (OP)

Object owned by 'IM-System', in package 'Handbook-Operation'

Path (OP)
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 10.06.2013

ATTRIBUTES
<p>◆ PathID : CompIdentOPType Private</p> <p style="text-align: right;">[Is static True. Containment is Not Specified.]</p>
<p>◆ StartDate : Date Private</p> <p style="text-align: right;">[Is static True. Containment is Not Specified.]</p>

ATTRIBUTES	
<p>◆ technParameters : Complex Private</p>	[Is static True. Containment is Not Specified.]
<p>◆ Timetable : Timetable Private</p>	[Is static True. Containment is Not Specified.]

provide Error Message content

Activity owned by 'IM-System', in package 'Handbook-Operation'

provide Error Message content
Version 1.0 Phase 1.0 Proposed
Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⚡ ControlFlow from provide Error Message content to Error Message processing started</p>
<p>⚡ ControlFlow from provide Error Message content to Error Message processing started</p>
<p>⚡ ControlFlow from provide Error Message content to Error Message processing started</p>
<p>⚡ ControlFlow from provide Error Message content to Error Message processing started</p>
<p>⚡ ControlFlow from provide Error Message content to Error Message processing started</p>
<p>⚡ ControlFlow from provide Error Message content to Error Message processing started</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⚡ ControlFlow from Check the Train-Path LINK to provide Error Message content Guard: LINK not OK</p>

provide Error Message content diagram

Activity diagram in package 'Handbook-Operation'

provide Error Message content
Version 1.0
km created on 19.06.2013. Last modified 19.06.2013

Figure 118: provide Error Message content

provide Error Message content

Activity owned by 'IM-System', in package 'Handbook-Operation'

provide Error Message content
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 17.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⚡ ControlFlow from provide Error Message content to Error Message processing started</p>
<p>⚡ ControlFlow from provide Error Message content to Error Message processing started</p>
<p>⚡ ControlFlow from provide Error Message content to Error Message processing started</p>
<p>⚡ ControlFlow from provide Error Message content to Error Message processing started</p>
<p>⚡ ControlFlow from provide Error Message content to Error Message processing started</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⚡ ControlFlow from Check the Train-Path LINK to provide Error Message content Guard: LINK not OK</p>

LINK TO BE CHECKED

Activity owned by 'IM-System', in package 'Handbook-Operation'

LINK TO BE CHECKED
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 18.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⚡ ControlFlow from LINK TO BE CHECKED to synchronize actions</p>

INCOMING BEHAVIORAL RELATIONSHIPS

<p>⇨ Information Flow from Error Message to LINK TO BE CHECKED</p>
--

Check the Train-Path LINK

Activity owned by 'IM-System', in package 'Handbook-Operation'

Check the Train-Path LINK
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 16.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

<p>⇨ ControlFlow from Check the Train-Path LINK to provide data in new object path Guard: LINK is OK</p>
--

<p>⇨ ControlFlow from Check the Train-Path LINK to provide Error Message content Guard: LINK not OK</p>

<p>⇨ ControlFlow from Check the Train-Path LINK to update object Path Guard: LINK is OK</p>

<p>⇨ ControlFlow from Check the Train-Path LINK to provide update link message content Guard: LINK is OK</p>
--

<p>⇨ ControlFlow from Check the Train-Path LINK to take data into object Train Guard: LINK is OK</p>
--

<p>⇨ ControlFlow from Check the Train-Path LINK to process Train Parking Message Guard: LINK is OK</p>
--

<p>⇨ ControlFlow from Check the Train-Path LINK to Provide Train Running Forecast Message content</p>

<p>⇨ ControlFlow from Check the Train-Path LINK to take data into object Train Guard: LINK is OK</p>
--

<p>⇨ ControlFlow from Check the Train-Path LINK to Provide TrainRunningForecast Message content</p>

<p>⇨ ControlFlow from Check the Train-Path LINK to Provide Update Information of the Object Message</p>

<p>⇨ ControlFlow from Check the Train-Path LINK to provide Error Message content</p>
--

OUTGOING BEHAVIORAL RELATIONSHIPS
Guard: LINK not OK
⚡ ControlFlow from Check the Train-Path LINK to Provide TrainForecastAtReportingLocation Message content
⚡ Object Flow from Check the Train-Path LINK to Provide TrainForecastAtReportingLocation Message content
⚡ ControlFlow from Check the Train-Path LINK to Provide TrainRunningForecast Message content
⚡ Object Flow from Check the Train-Path LINK to Path (OP)
⚡ Information Flow from Check the Train-Path LINK to Path (OP)
⚡ Information Flow from Check the Train-Path LINK to Train (OP)
⚡ ControlFlow from Check the Train-Path LINK to Provide TrainDelayPerformance Message content
⚡ ControlFlow from Check the Train-Path LINK to Provide TrainRunningInformation Message content
⚡ ControlFlow from Check the Train-Path LINK to take data into object Path Guard: LINK is OK
⚡ Information Flow from Check the Train-Path LINK to Path (OP)
⚡ Information Flow from Check the Train-Path LINK to Path (OP)
⚡ ControlFlow from Check the Train-Path LINK to link train to already existing path Guard: LINK OK
⚡ ControlFlow from Check the Train-Path LINK to Provide Train Delay Cause Message content
⚡ ControlFlow from Check the Train-Path LINK to Provide Train Running Information Message content
⚡ ControlFlow from Check the Train-Path LINK to provide Train Running Interrupted Message content
⚡ Information Flow from Check the Train-Path LINK to Path (OP)

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐⇐ ControlFlow from Check the Train-Path LINK to Provide Update Information of the Object Message

INCOMING BEHAVIORAL RELATIONSHIPS

⇒⇒ ControlFlow from synchronize actions to Check the Train-Path LINK

⇒⇒ ControlFlow from synchronize actions to Check the Train-Path LINK

⇒⇒ ControlFlow from Process error message to Check the Train-Path LINK

⇒⇒ ControlFlow from process TrainRunningInformation Message to Check the Train-Path LINK

⇒⇒ ControlFlow from Process error message to Check the Train-Path LINK

⇒⇒ ControlFlow from synchronize actions to Check the Train-Path LINK

⇒⇒ ControlFlow from synchronize actions to Check the Train-Path LINK

⇒⇒ ControlFlow from synchronize actions to Check the Train-Path LINK

⇒⇒ ControlFlow from Process error message to Check the Train-Path LINK

⇒⇒ Information Flow from Path (OP) to Check the Train-Path LINK

⇒⇒ ControlFlow from Process error message to Check the Train-Path LINK

⇒⇒ ControlFlow from synchronize actions to Check the Train-Path LINK

⇒⇒ Information Flow from Path (OP) to Check the Train-Path LINK

⇒⇒ ControlFlow from synchronize actions to Check the Train-Path LINK

⇒⇒ ControlFlow from synchronize actions to Check the Train-Path LINK

⇒⇒ ControlFlow from Manually triggered to Check the Train-Path LINK

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from synchronize actions to Check the Train-Path LINK</p>
<p>⇒ ControlFlow from Automatically triggered to Check the Train-Path LINK Guard: Train ID known</p>
<p>⇒ ControlFlow from Process TrainRunningForecast Message to Check the Train-Path LINK</p>

Provide Train Running Information Message content

Activity owned by 'IM-System', in package 'Handbook-Operation'

Provide Train Running Information Message content
Version 1.0 Phase 1.0 Proposed
Hantak created on 27.05.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from Provide Train Running Information Message content to Train Running Information processing started</p>
<p>⇐ ControlFlow from Provide Train Running Information Message content to Train Running Information Message processing started</p>
<p>⇐ ControlFlow from Provide Train Running Information Message content to Train Running Information Processing started Guard: in case Train Running Information Message is used</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Check the Train-Path LINK to Provide Train Running Information Message content</p>

Provide TrainRunningInformation Message content diagram

Activity diagram in package 'Handbook-Operation'

Provide TrainRunningInformation Message content
Version 1.0
Hantak created on 10.06.2013. Last modified 18.09.2013

Figure 119: Provide TrainRunningInformation Message content

Provide TrainRunningInformation Message content

Activity owned by 'IM-System', in package 'Handbook-Operation'

Provide TrainRunningInformation Message content
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 27.05.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐:: Object Flow from Provide TrainRunningInformation Message content to Train Running Information Processing started</p>
<p>⇐:: ControlFlow from Provide TrainRunningInformation Message content to Train Running Information Processing started</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒:: ControlFlow from Check the Train-Path LINK to Provide TrainRunningInformation Message content</p>

Provide TrainRunningInformation Message content diagram

Activity diagram in package 'Handbook-Operation'

Provide TrainRunningInformation Message content
 Version 1.0
 km created on 10.06.2013. Last modified 10.06.2013

Figure 120: Provide TrainRunningInformation Message content

Provide TrainRunningForecast Message content

Activity owned by 'IM-System', in package 'Handbook-Operation'

Provide TrainRunningForecast Message content
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 27.05.2013. Last modified 27.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐:: Object Flow from Provide TrainRunningForecast Message content to Train Running Forecast Messaging started</p>

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⚡ ControlFlow from Provide TrainRunningForecast Message content to Train Running Forecast Messahe Processing started</p>
<p>⚡ ControlFlow from Provide TrainRunningForecast Message content to Train Running Forecast Message processing started</p>
<p>⚡ ControlFlow from Provide TrainRunningForecast Message content to Train Running Forecast Processing started Guard: in case Train Running Forecast Message is used</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⚡ ControlFlow from Check the Train-Path LINK to Provide TrainRunningForecast Message content</p>
<p>⚡ Object Flow from Path (OP) to Provide TrainRunningForecast Message content</p>
<p>⚡ ControlFlow from Check the Train-Path Link to Provide TrainRunningForecast Message content</p>
<p>⚡ ControlFlow from Check the Train-Path LINK to Provide TrainRunningForecast Message content</p>

Provide TrainRunningForecast Message content diagram

Activity diagram in package 'Handbook-Operation'

Provide TrainRunningForecast Message content
Version 1.0
km created on 27.05.2013. Last modified 27.05.2013

Figure 121: Provide TrainRunningForecast Message content

Provide Train Running Forecast Message content

Activity owned by 'IM-System', in package 'Handbook-Operation'

Provide Train Running Forecast Message content
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⚡ ControlFlow from Provide Train Running Forecast Message content to Train Running Forecast Processing started</p>

OUTGOING BEHAVIORAL RELATIONSHIPS
Guard: in case Train Running Forecast Message is used

INCOMING BEHAVIORAL RELATIONSHIPS
ControlFlow from Check the Train-Path LINK to Provide Train Running Forecast Message content

Provide Train Running Forecast Message content diagram

Activity diagram in package 'Handbook-Operation'

Provide Train Running Forecast Message content
 Version 1.0
 km created on 17.06.2013. Last modified 17.06.2013

Figure 122: Provide Train Running Forecast Message content

Provide Train Delay Cause Message content

Activity owned by 'IM-System', in package 'Handbook-Operation'

Provide Train Delay Cause Message content
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 04.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
ControlFlow from Provide Train Delay Cause Message content to Train Delay Cause Message processing started

INCOMING BEHAVIORAL RELATIONSHIPS
ControlFlow from Check the Train-Path LINK to Provide Train Delay Cause Message content

Provide Train Delay Cause Message content diagram

Activity diagram in package 'Handbook-Operation'

Provide Train Delay Cause Message content
 Version 1.0
 km created on 04.06.2013. Last modified 04.06.2013

Figure 123: Provide Train Delay Cause Message content

Provide TrainDelayPerformance Message content

Activity owned by 'IM-System', in package 'Handbook-Operation'

Provide TrainDelayPerformance Message content
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 27.05.2013. Last modified 27.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ Information Flow from Provide TrainDelayPerformance Message content to TrainDelay Performance Message</p>
<p>⇐ ControlFlow from Provide TrainDelayPerformance Message content to Train Delay Performance Processing started</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Object Flow from Path (OP) to Provide TrainDelayPerformance Message content</p>
<p>⇒ ControlFlow from Check the Train-Path LINK to Provide TrainDelayPerformance Message content</p>
<p>⇒ Object Flow from Path (OP) to Provide TrainDelayPerformance Message content</p>

Provide TrainDelayPerformance Message content diagram

Activity diagram in package 'Handbook-Operation'

Provide TrainDelayPerformance Message content
 Version 1.0
 km created on 27.05.2013. Last modified 27.05.2013

Figure 124: Provide TrainDelayPerformance Message content

Provide TrainForecastAtReportingLocation Message content

Activity owned by 'IM-System', in package 'Handbook-Operation'

Provide TrainForecastAtReportingLocation Message content
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 27.05.2013. Last modified 27.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ Information Flow from Provide TrainForecastAtReportingLocation Message content to TrainRunningForecastAtReportingLocationMessage</p>
<p>⇐ ControlFlow from Provide TrainForecastAtReportingLocation Message content to Train Running Forecast at reporting Location Processing started</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Check the Train-Path LINK to Provide TrainForecastAtReportingLocation Message content</p>
<p>⇒ Object Flow from Path (OP) to Provide TrainForecastAtReportingLocation Message content</p>
<p>⇒ Object Flow from Check the Train-Path LINK to Provide TrainForecastAtReportingLocation Message content</p>

Provide TrainForecastAtReportingLocation Message content diagram

Activity diagram in package 'Handbook-Operation'

Provide TrainForecastAtReportingLocation Message content
 Version 1.0
 km created on 27.05.2013. Last modified 27.05.2013

Figure 125: Provide TrainForecastAtReportingLocation Message content

Provide Update Information of the Object Message

Activity owned by 'IM-System', in package 'Handbook-Operation'

Provide Update Information of the Object Message
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 10.06.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from Provide Update Information of the Object Message to Train Running Information Processing started</p>
<p>⇐ ControlFlow from Provide Update Information of the Object Message to Train Running Forecast Processing started</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Check the Train-Path LINK to Provide Update Information of the Object Message</p>
<p>⇒ ControlFlow from Check the Train-Path LINK to Provide Update Information of the Object Message</p>

Activity4 diagram

Activity diagram in package 'Handbook-Operation'

Activity4
Version 1.0
km created on 10.06.2013. Last modified 10.06.2013

Figure 126: Activity4

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Activity owned by 'IM-System', in package 'Handbook-Operation'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)
Version 1.0 Phase 1.0 Proposed
Hantak created on 04.06.2013. Last modified 10.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from Error Message to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)</p>

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) diagram*Activity diagram in package 'Handbook-Operation'*

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0

km created on 10.06.2013. Last modified 10.06.2013

Figure 127: LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)*Activity owned by 'IM-System', in package 'Handbook-Operation'*

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0 Phase 1.0 Proposed

Hantak created on 04.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

Information Flow from TrainRunningForecastAt ReportingLocationMessage to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)*Activity owned by 'IM-System', in package 'Handbook-Operation'*

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0 Phase 1.0 Proposed

Hantak created on 04.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

Information Flow from TrainDelay CauseMessage to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)*Activity owned by 'IM-System', in package 'Handbook-Operation'*

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0 Phase 1.0 Proposed

Hantak created on 04.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) to Synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from TrainDelay Performance Message to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

⇒ Information Flow from c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

c08-SendMessage- RU-IM -TR_m-PA_r-OTN_r*Activity owned by 'IM-System', in package 'Handbook-Operation'*

c08-SendMessage- RU-IM -TR_m-PA_r-OTN_r

Version 1.0 Phase 1.0 Proposed

Hantak created on 21.05.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c08-SendMessage- RU-IM -TR_m-PA_r-OTN_r to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from TrainComposition Message to c08-SendMessage- RU-IM -TR_m-PA_r-OTN_r

⇒ Information Flow from TrainComposition Message to c08-SendMessage- RU-IM -TR_m-PA_r-OTN_r

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r*Activity owned by 'IM-System', in package 'Handbook-Operation'*

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

Version 1.0 Phase 1.0 Proposed

Hantak created on 04.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇄ Information Flow from c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Error Message to c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

Activity owned by 'IM-System', in package 'Handbook-Operation'

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 21.05.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇄ Information Flow from c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r to RU

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from TrainNotSuitable Message to c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o

Activity owned by 'IM-System', in package 'Handbook-Operation'

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 27.05.2013. Last modified 11.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇄ ControlFlow from c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o to IM

⇄ ControlFlow from c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Error Message to c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o

⇒ Information Flow from Error Message to c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o*Activity owned by 'IM-System', in package 'Handbook-Operation'*

c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 27.05.2013. Last modified 27.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐⇒ ControlFlow from c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒⇐ Information Flow from Error Message to c21-SendMessage-IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

process Train Parking Message*Activity owned by 'IM-System', in package 'Handbook-Operation'*

process Train Parking Message
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 17.06.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐⇒ Information Flow from process Train Parking Message to Path (OP)

⇐⇒ ControlFlow from process Train Parking Message to Train Parking Answer processing started

INCOMING BEHAVIORAL RELATIONSHIPS

⇒⇐ ControlFlow from Check the Train-Path LINK to process Train Parking Message
 Guard: LINK is OK

Receive error message*Activity owned by 'IM-System', in package 'Handbook-Operation'*

Receive error message
 Version 1.0 Phase 1.0 Proposed
 seid.magljajlic created on 18.03.2013. Last modified 27.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐⇒ ControlFlow from Receive error message to Process error message

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from synchronize actions to Receive error message
⇒ ControlFlow from synchronize actions to Receive error message
⇒ ControlFlow from synchronize actions to Receive error message
⇒ ControlFlow from synchronize actions to Receive error message
⇒ ControlFlow from synchronize actions to Receive error message
⇒ ControlFlow from synchronize actions to Receive error message
⇒ ControlFlow from synchronize actions to Receive error message
⇒ ControlFlow from synchronize actions to Receive error message
⇒ ControlFlow from synchronize actions to Receive error message
⇒ ControlFlow from synchronize actions to Receive error message

CONNECTORS
<p> Dependency Source -> Destination</p> <p>From: Error Message : Trigger, Public</p> <p>To: Receive error message : Activity, Public</p>

Process error message

Activity owned by 'IM-System', in package 'Handbook-Operation'

Process error message
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.03.2013. Last modified 20.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from Process error message to Check the Train-Path LINK
⇐ ControlFlow from Process error message to Check the Train-Path LINK

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from Process error message to Check the Train-Path LINK

⇐ ControlFlow from Process error message to Check the Train-Path LINK

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Receive error message to Process error message

⇒ ControlFlow from receive error message to Process error message

⇒ ControlFlow from IM to Process error message

take data into object Train

Activity owned by 'IM-System', in package 'Handbook-Operation'

take data into object Train
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.03.2013. Last modified 19.06.2013

STRUCTURAL PART OF take data into object Train

⚙ ObjectNode6 : ActionPin

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from take data into object Train to Acknowledged

⇐ Information Flow from take data into object Train to Train (OP)

⇐ Information Flow from take data into object Train to Path (OP)

⇐ ControlFlow from take data into object Train to Acknowledged

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from Train (OP) to take data into object Train

⇒ ControlFlow from Check the Train-Path LINK to take data into object Train
Guard: LINK is OK

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Object Flow from Train (OP) to take data into object Train</p>
<p>⇒ Information Flow from Train (OP) to take data into object Train</p>
<p>⇒ ControlFlow from Check the Train-Path Link to take data into object Train Guard: LINK is OK</p>

ObjectNode6

ActionPin owned by 'take data into object Train', in package 'Handbook-Operation'

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ Object Flow from ObjectNode6 to Acknowledged</p>

UpdateLink Message

Trigger owned by 'IM-System', in package 'Handbook-Operation'

UpdateLink Message
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 19.06.2013

CONNECTORS
<p>↗ Dependency Source -> Destination</p> <p>From: Update Link Message Processing started : Synchronization, Public</p> <p>To: UpdateLink Message : Trigger, Public</p>

IM

Event owned by 'IM-System', in package 'Handbook-Operation'

IM
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 10.06.2013

IM

Event owned by 'IM-System', in package 'Handbook-Operation'

IM
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 10.06.2013

IM

Event owned by 'IM-System', in package 'Handbook-Operation'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 10.06.2013

IM

Event owned by 'IM-System', in package 'Handbook-Operation'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 10.06.2013

IM

Event owned by 'IM-System', in package 'Handbook-Operation'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 21.05.2013

Automatically triggered

ActivityInitial owned by 'IM-System', in package 'Handbook-Operation'


OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⚡ ControlFlow from Automatically triggered to Check the Train-Path Link Guard: TRAIN ID known</p>
<p>⚡ ControlFlow from Automatically triggered to Check the Train-Path LINK Guard: Train ID known</p>

TrainParking Message

Trigger owned by 'IM-System', in package 'Handbook-Operation'

TrainParking Message
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 17.06.2013

CONNECTORS

 **Dependency** Source -> Destination

From: Train Parking Answer processing started : Synchronization, Public

To: TrainParking Message : Trigger, Public

UpdateOf InfoAbout ObjectMessage


Trigger owned by 'IM-System', in package 'Handbook-Operation'

UpdateOf InfoAbout ObjectMessage

Version 1.0 Phase 1.0 Proposed

Hantak created on 02.04.2013. Last modified 17.06.2013

CONNECTORS

 **Dependency** Source -> Destination

From: Train Running Information Processing started : Synchronization, Public

To: UpdateOf InfoAbout ObjectMessage : Trigger, Public

Error Message


Trigger owned by 'IM-System', in package 'Handbook-Operation'

Error Message

Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 15.03.2013. Last modified 18.06.2013

CONNECTORS

 **Dependency** Source -> Destination

From: Error Message : Trigger, Public

To: synchronize actions : Synchronization, Public

PathDetails Message

Trigger owned by 'IM-System', in package 'Handbook-Operation'

c02 diagram contains the identifier processing of this message

PathDetails Message

Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 08.02.2013. Last modified 10.06.2013

CONNECTORS

 **Dependency** Source -> Destination


From: Path Details processing started : Synchronization, Public

To: PathDetails Message : Trigger, Public

PathDetails Message Status booked

Trigger owned by 'IM-System', in package 'Handbook-Operation'

PathDetails Message Status booked
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 10.06.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	Path Details Message Status Booked Processing started : Synchronization, Public
To:	PathDetails Message Status booked : Trigger, Public

UpdateLinkMessage


Trigger owned by 'IM-System', in package 'Handbook-Operation'

UpdateLinkMessage
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.06.2013

Train Running Forecast Message

Trigger owned by 'IM-System', in package 'Handbook-Operation'


Train Running Forecast Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 15.03.2013. Last modified 10.06.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	Train Running Forecast Processing started : Synchronization, Public
To:	Train Running Forecast Message : Trigger, Public

TrainRunning Information Message

Trigger owned by 'IM-System', in package 'Handbook-Operation'


TrainRunning Information Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 15.03.2013. Last modified 17.06.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	Train Running Information Processing started : Synchronization, Public
To:	TrainRunning Information Message : Trigger, Public

TrainRunning InformationMessage

Trigger owned by 'IM-System', in package 'Handbook-Operation'


TrainRunning InformationMessage
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 15.03.2013. Last modified 10.06.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	Train Running Information Processing started : Synchronization, Public
To:	TrainRunning InformationMessage : Trigger, Public

UpdateLink Message

Trigger owned by 'IM-System', in package 'Handbook-Operation'





UpdateLink Message
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 10.06.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	Update Link Message Answer processing started : Synchronization, Public
To:	UpdateLink Message : Trigger, Public

IM

ActivityPartition in package 'Handbook-Operation'

IM
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 11.08.2014


ELEMENTS OWNED BY IM	
 check offered path details : Activity	
 provide data in object train : Activity	
 Train (OP) : Object	
 Train (OP) : Object	


ELEMENTS OWNED BY IM
 Train (OP) : Object
 Acknowledged : ActivityFinal
 manually triggered : ActivityInitial
 Train (OP) : Object
 RU : Event
 take info into object train : Activity

check offered path details

Activity owned by 'IM', in package 'Handbook-Operation'

check offered path details
Version 1.0 Phase 1.0 Proposed
Hantak created on 30.05.2013. Last modified 11.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from check offered path details to Path Confirmed Processing started

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from synchronize actions to check offered path details

provide data in object train

Activity owned by 'IM', in package 'Handbook-Operation'

provide data in object train
Version 1.0 Phase 1.0 Proposed
Hantak created on 30.05.2013. Last modified 19.06.2013

ELEMENTS OWNED BY provide data in object train
 provide PathRequest Message : Activity

provide PathRequest Message*Activity owned by 'provide data in object train', in package 'Handbook-Operation'*

provide PathRequest Message
Version 1.0 Phase 1.0 Proposed
Hantak created on 16.06.2013. Last modified 16.06.2013

Train (OP)*Object owned by 'IM', in package 'Handbook-Operation'*

Train (OP)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 11.06.2013

ATTRIBUTES	
◆ Startdate : Date Private	[Is static True. Containment is Not Specified.]
◆ technParameters : Complex Private	[Is static True. Containment is Not Specified.]
◆ Timetable : Timetable Private	[Is static True. Containment is Not Specified.]
◆ TrainID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

Train (OP)*Object owned by 'IM', in package 'Handbook-Operation'*

Train (OP)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 10.06.2013

ATTRIBUTES	
◆ Startdate : Date Private	[Is static True. Containment is Not Specified.]
◆ technParameters : Complex Private	[Is static True. Containment is Not Specified.]
◆ Timetable : Timetable Private	[Is static True. Containment is Not Specified.]

ATTRIBUTES	
<p>◆ TrainID : CompositIdentifierOperationalType Private</p>	[Is static True. Containment is Not Specified.]

Train (OP)

Object owned by 'IM', in package 'Handbook-Operation'

Train (OP)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 10.06.2013

ATTRIBUTES	
<p>◆ Startdate : Date Private</p>	[Is static True. Containment is Not Specified.]
<p>◆ technParameters : Complex Private</p>	[Is static True. Containment is Not Specified.]
<p>◆ Timetable : Timetable Private</p>	[Is static True. Containment is Not Specified.]
<p>◆ TrainID : CompositIdentifierOperationalType Private</p>	[Is static True. Containment is Not Specified.]

Acknowledged

ActivityFinal owned by 'IM', in package 'Handbook-Operation'

INCOMING BEHAVIORAL RELATIONSHIPS	
<p>⇒ ControlFlow from take details into data to Acknowledged</p>	
<p>⇒ ControlFlow from take data into object Train to Acknowledged</p>	
<p>⇒ ControlFlow from take info into object train to Acknowledged</p>	
<p>⇒ ControlFlow from take data into object Train to Acknowledged</p>	
<p>⇒ ControlFlow from take data into object Train to Acknowledged</p>	

INCOMING BEHAVIORAL RELATIONSHIPS

➡ Object Flow from ObjectNode6 to Acknowledged

manually triggered

ActivityInitial owned by 'IM', in package 'Handbook-Operation'

OUTGOING BEHAVIORAL RELATIONSHIPS

⬅ ControlFlow from manually triggered to Check the Train-Path Link

Train (OP)

Object owned by 'IM', in package 'Handbook-Operation'

Train (OP)
Version 1.0 Phase 1.0 Proposed
seid.magljajlic created on 08.11.2012. Last modified 16.06.2013

ELEMENTS OWNED BY Train (OP)

📄 take data into object Train : Activity

ATTRIBUTES

◆ Startdate : Date Private	[Is static True. Containment is Not Specified.]
◆ technParameters : Complex Private	[Is static True. Containment is Not Specified.]
◆ Timetable : Timetable Private	[Is static True. Containment is Not Specified.]
◆ TrainID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

take data into object Train

Activity owned by 'Train (OP)', in package 'Handbook-Operation'

take data into object Train
Version 1.0 Phase 1.0 Proposed
seid.magljajlic created on 18.03.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐:: Information Flow from take data into object Train to Path (OP)
⇐:: ControlFlow from take data into object Train to Acknowledged
⇐:: ControlFlow from take data into object Train to ActivityFinal
⇐:: Information Flow from take data into object Train to Train (OP)
⇐:: ControlFlow from take data into object Train to Acknowledged
⇐:: Information Flow from take data into object Train to Train (OP)
INCOMING BEHAVIORAL RELATIONSHIPS
⇒:: ControlFlow from synchronize actions to take data into object Train
⇒:: ControlFlow from Check the Train-Path LINK to take data into object Train Guard: LINK is OK
⇒:: ControlFlow from synchronize actions to take data into object Train
⇒:: ControlFlow from Check the Train-Path Link to take data into object Train Guard: LINK is OK

RU

Event owned by 'IM', in package 'Handbook-Operation'

RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 27.05.2013

take info into object train

Activity owned by 'IM', in package 'Handbook-Operation'

take info into object train
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ Information Flow from take info into object train to Train (OP)
⇐ Information Flow from take info into object train to Train (OP)
⇐ ControlFlow from take info into object train to Acknowledged


















INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from synchronize actions to take info into object train
⇒ ControlFlow from Check the Train-Path Link to take info into object train Guard: LINK is OK
⇒ ControlFlow from synchronize actions to take info into object train


















RU-System

ActivityPartition in package 'Handbook-Operation'

RU-System
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 20.05.2013

ELEMENTS OWNED BY RU-System
☰ provide Train Composition Message content : Activity
☰ BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH : Activity
☰ Provide Path Request Message content : Activity
☰ provide Path Cancellation Message content : Activity
☰ RU : Event
☰ provide Train Ready Message content : Activity
☰ provide Update Link Message content : Activity

ELEMENTS OWNED BY RU-System
 provide Train Parking Message content : Activity
 provide UpdateLink Message content : Activity
 process Train Running Forecast Message : Activity
 process Train Running Forecast Message : Activity
 process Train Running Information Message : Activity
 process Train Running Information Message : Activity
 process TrainRunningInformation Message : Activity
 process TrainDelayPerformance Message : Activity
 process Update Information of the Object Message : Activity
 c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity
 c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity
 c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r : Activity
 c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m : Activity
 c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m : Activity
 c13-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o : Activity
 c13-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o : Activity
 c13-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o : Activity

ELEMENTS OWNED BY RU-System
 c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity
 c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o : Activity
 take data into object Train : Activity
 Check the Train-Path Link : Activity
 Provide Error Message content : Activity
 process error message : Activity
 receive error message : Activity
 RU : Event
 RU : Event
 RU : Event
 RU : Event
 IM : Event
 RU : Event
 RU : Event
 RU : Event
 RU : Event
 RU : Event

ELEMENTS OWNED BY RU-System
RU : Event
RU : Event
Automatically triggered : ActivityInitial
Error Message : Trigger
Error Message : Trigger
PathConfirmed Message : Trigger
PathRequest Message : Trigger

provide Train Composition Message content

Activity owned by 'RU-System', in package 'Handbook-Operation'

provide Train Composition Message content
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
ControlFlow from provide Train Composition Message content to TRain Composition Message procession started

INCOMING BEHAVIORAL RELATIONSHIPS
ControlFlow from Check the Train-Path Link to provide Train Composition Message content

provide Train Composition Message content diagram

Activity diagram in package 'Handbook-Operation'

provide Train Composition Message content
 Version 1.0
 km created on 19.06.2013. Last modified 19.06.2013

Figure 128: provide Train Composition Message content

BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH

Activity owned by 'RU-System', in package 'Handbook-Operation'

BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 18.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇄ ControlFlow from BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH to synchronize actions

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ Information Flow from UpdateLink Message to BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH

Provide Path Request Message content

Activity owned by 'RU-System', in package 'Handbook-Operation'

Provide Path Request Message content
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇄ ControlFlow from Provide Path Request Message content to Path Request processing started

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from Check the Train-Path Link to Provide Path Request Message content

Provide Path Request Message content diagram

Activity diagram in package 'Handbook-Operation'

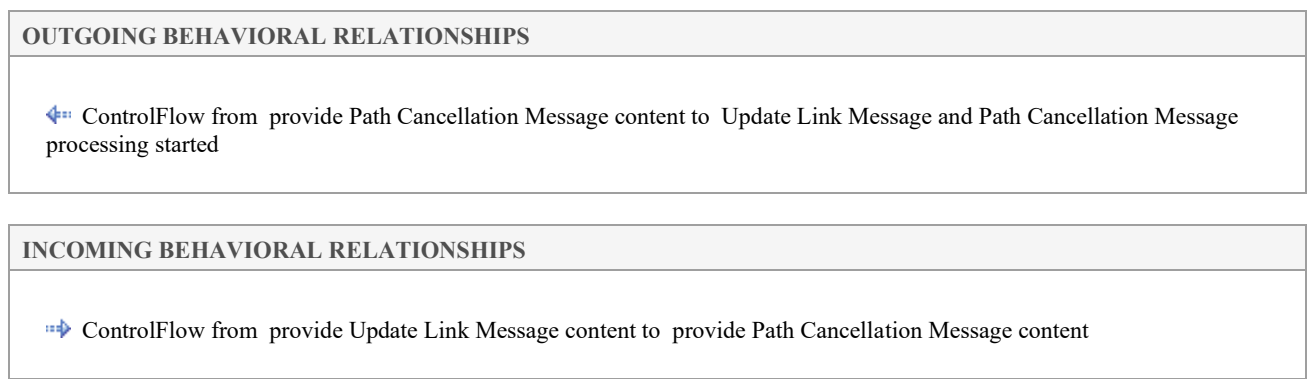
Provide Path Request Message content
 Version 1.0
 km created on 19.06.2013. Last modified 19.06.2013

Figure 129: Provide Path Request Message content

provide Path Cancellation Message content

Activity owned by 'RU-System', in package 'Handbook-Operation'

provide Path Cancellation Message content
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013



provide Path Cancellation Message content diagram

Activity diagram in package 'Handbook-Operation'

provide Path Cancellation Message content
 Version 1.0
 km created on 19.06.2013. Last modified 19.06.2013

Figure 130: provide Path Cancellation Message content

RU

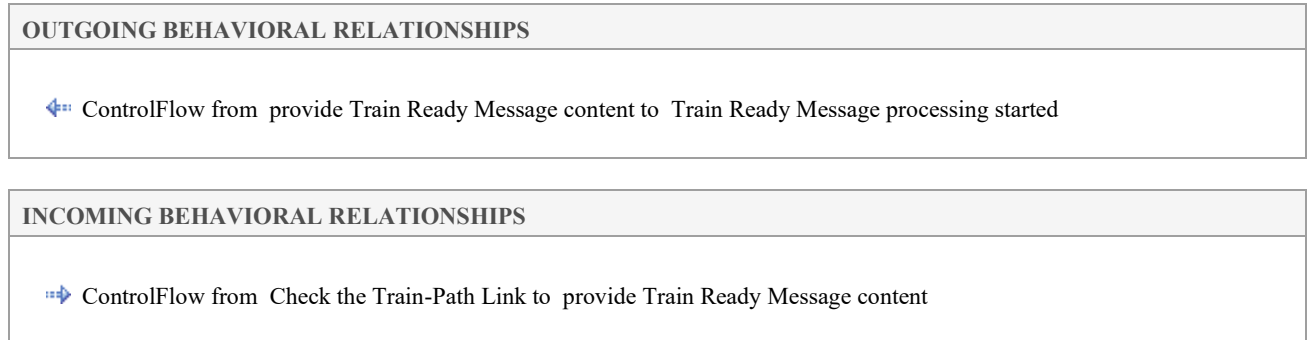
Event owned by 'RU-System', in package 'Handbook-Operation'

RU
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.02.2013. Last modified 19.06.2013

provide Train Ready Message content

Activity owned by 'RU-System', in package 'Handbook-Operation'

provide Train Ready Message content
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 19.06.2013. Last modified 19.06.2013



provide Train Ready Message content diagram

Activity diagram in package 'Handbook-Operation'

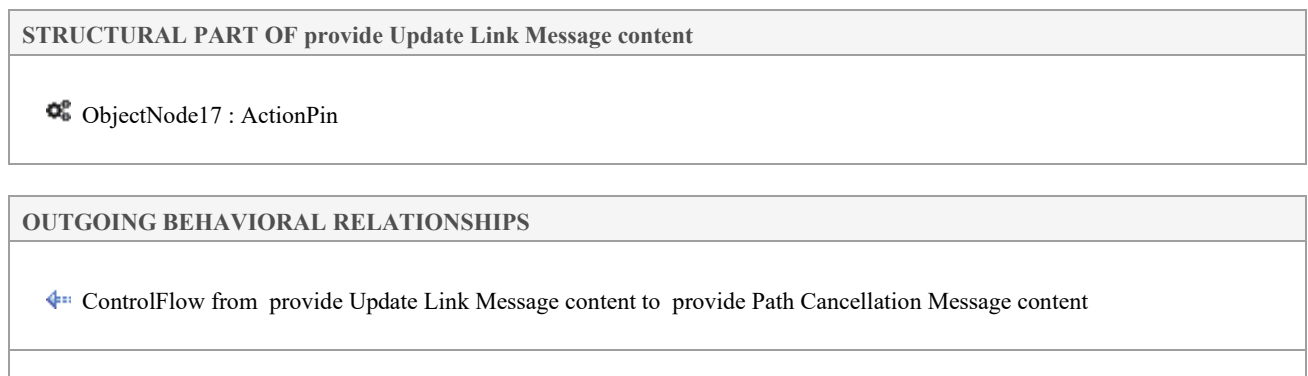
provide Train Ready Message content
 Version 1.0
 km created on 19.06.2013. Last modified 19.06.2013

Figure 131: provide Train Ready Message content

provide Update Link Message content

Activity owned by 'RU-System', in package 'Handbook-Operation'

provide Update Link Message content
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 18.06.2013. Last modified 19.06.2013



OUTGOING BEHAVIORAL RELATIONSHIPS
<p>ControlFlow from provide Update Link Message content to Update Link Message processing started</p>
<p>ControlFlow from provide Update Link Message content to Train Shifting to existing path processing started</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>ControlFlow from Check the Train-Path Link to provide Update Link Message content</p>
<p>ControlFlow from Check the Train-Path Link to provide Update Link Message content</p>

ObjectNode17

ActionPin owned by 'provide Update Link Message content', in package 'Handbook-Operation'

provide Update Link Message diagram

Activity diagram in package 'Handbook-Operation'

provide Update Link Message
 Version 1.0
 km created on 18.06.2013. Last modified 18.06.2013

Figure 132: provide Update Link Message

provide Train Parking Message content

Activity owned by 'RU-System', in package 'Handbook-Operation'

provide Train Parking Message content
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 17.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>ControlFlow from provide Train Parking Message content to Train Parking Request processing started</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>ControlFlow from Check the Train-Path Link to provide Train Parking Message content</p>

INCOMING BEHAVIORAL RELATIONSHIPS

provide Train Parking Message diagram

Activity diagram in package 'Handbook-Operation'

provide Train Parking Message
 Version 1.0
 km created on 17.06.2013. Last modified 17.06.2013

Figure 133: provide Train Parking Message

provide UpdateLink Message content

Activity owned by 'RU-System', in package 'Handbook-Operation'

provide UpdateLink Message content
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 16.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from provide UpdateLink Message content to Update Link Message Processing started</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from synchronize actions to provide UpdateLink Message content</p>

process Train Running Forecast Message

Activity owned by 'RU-System', in package 'Handbook-Operation'

process Train Running Forecast Message
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 10.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from process Train Running Forecast Message to Check the Train-Path Link</p>

INCOMING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from synchronize actions to process Train Running Forecast Message

process Train Running Forecast Message

Activity owned by 'RU-System', in package 'Handbook-Operation'

process Train Running Forecast Message

Version 1.0 Phase 1.0 Proposed

Hantak created on 10.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from process Train Running Forecast Message to Check the Train-Path Link

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from synchronize actions to process Train Running Forecast Message

process Train Running Information Message

Activity owned by 'RU-System', in package 'Handbook-Operation'

process Train Running Information Message

Version 1.0 Phase 1.0 Proposed

seid.maglajlic created on 18.03.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from process Train Running Information Message to Check the Train-Path Link

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from synchronize actions to process Train Running Information Message

process Train Running Information Message

Activity owned by 'RU-System', in package 'Handbook-Operation'

process Train Running Information Message

Version 1.0 Phase 1.0 Proposed

seid.maglajlic created on 18.03.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from process Train Running Information Message to Check the Train-Path Link

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from synchronize actions to process Train Running Information Message

process TrainRunningInformation Message

Activity owned by 'RU-System', in package 'Handbook-Operation'

process TrainRunningInformation Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from process TrainRunningInformation Message to Check the Train-Path LINK

⇐ ControlFlow from process TrainRunningInformation Message to Check the Train-Path Link

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from synchronize actions to process TrainRunningInformation Message

process TrainDelayPerformance Message

Activity owned by 'RU-System', in package 'Handbook-Operation'

process TrainDelayPerformance Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 18.06.2013

STRUCTURAL PART OF process TrainDelayPerformance Message

⚙ ObjectNode11 : ActionPin

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from process TrainDelayPerformance Message to Check the Train-Path Link

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Synchronize actions to process TrainDelayPerformance Message

⇒ Information Flow from TrainDelay Performance Message to process TrainDelayPerformance Message

ObjectNode11

ActionPin owned by 'process TrainDelayPerformance Message', in package 'Handbook-Operation'

process Update Information of the Object Message

Activity owned by 'RU-System', in package 'Handbook-Operation'

process Update Information of the Object Message
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 17.06.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from process Update Information of the Object Message to Check the Train-Path Link</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from synchronize actions to process Update Information of the Object Message</p>
<p>⇒ ControlFlow from synchronize actions to process Update Information of the Object Message</p>

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

Activity owned by 'RU-System', in package 'Handbook-Operation'

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 21.05.2013. Last modified 02.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ Information Flow from c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r to RU</p>
<p>⇐ Information Flow from c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r to RU</p>
<p>⇐ Information Flow from c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r to LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from TrainDelay CauseMessage to c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r</p>
<p>⇒ Information Flow from TrainRunning Information Message to c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇨ Information Flow from Train Running Forecast Message to c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r</p>
<p>⇨ Information Flow from TrainRunningForecastAt ReportingLocationMessage to c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r</p>
<p>⇨ Information Flow from TrainRunning InterruptedMessage to c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r</p>
<p>⇨ Information Flow from TrainDelay Performance Message to c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r</p>

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

Activity owned by 'RU-System', in package 'Handbook-Operation'

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 21.05.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇨ ControlFlow from c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r to RU</p>
<p>⇨ ControlFlow from c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r to RU</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇨ ControlFlow from Train Running Forecast Messahe Processing started to c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r</p>
<p>⇨ Information Flow from Train Running Forecast Message to c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r</p>

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r

Activity owned by 'RU-System', in package 'Handbook-Operation'

c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 21.05.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇨ ControlFlow from c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r to RU</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Train Running Information Message processing started to c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r</p>
<p>⇒ Information Flow from TrainRunning Information Message to c09-SendMessage-IM-RU -TR_m-PA_r-OTN_r</p>

c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m

Activity owned by 'RU-System', in package 'Handbook-Operation'

c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 17.06.2013

c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m

Activity owned by 'RU-System', in package 'Handbook-Operation'

c10-SendMessage-IM-RU -TR_m-PA_o-OTN_m
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 10.06.2013

c13-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o

Activity owned by 'RU-System', in package 'Handbook-Operation'

c13-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 19.06.2013

c13-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o

Activity owned by 'RU-System', in package 'Handbook-Operation'

c13-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o
Version 1.0 Phase 1.0 Proposed
Hantak created on 21.05.2013. Last modified 29.05.2013

c13-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o diagram

Activity diagram in package 'Handbook-Operation'

c13-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o
Version 1.0
km created on 27.05.2013. Last modified 27.05.2013

Figure 134: c13-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o

c13-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o*Activity owned by 'RU-System', in package 'Handbook-Operation'*

c13-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 21.05.2013. Last modified 17.11.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from c13-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o to IM

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from UpdateLink Message to c13-SendMessage-RU-IM -TR_m-CR_o-PA_m-OTN_o

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o*Activity owned by 'RU-System', in package 'Handbook-Operation'*

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 29.05.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Information Flow from c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o to Error Message

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from IM to c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o*Activity owned by 'RU-System', in package 'Handbook-Operation'*

c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 27.05.2013. Last modified 29.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ Information Flow from c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o to IM</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from Error Message to c20-SendMessage-RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o</p>

take data into object Train

Activity owned by 'RU-System', in package 'Handbook-Operation'

take data into object Train
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.03.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ Information Flow from take data into object Train to Train (OP)</p>
<p>⇐ Information Flow from take data into object Train to Train (OP)</p>
<p>⇐ ControlFlow from take data into object Train to Acknowledged</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from synchronize actions to take data into object Train</p>
<p>⇒ ControlFlow from Check the Train-Path Link to take data into object Train Guard: Link is OK</p>

Check the Train-Path Link

Activity owned by 'RU-System', in package 'Handbook-Operation'

Check the Train-Path Link
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 11.06.2013. Last modified 18.06.2013

STRUCTURAL PART OF Check the Train-Path Link
<p>⚙ ObjectNode16 : ActionPin</p>

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>↩:: Information Flow from Check the Train-Path Link to Train (OP)</p>
<p>↩:: Information Flow from Check the Train-Path Link to Train (OP)</p>
<p>↩:: ControlFlow from Check the Train-Path Link to provide Update Link Message content</p>
<p>↩:: ControlFlow from Check the Train-Path Link to provide Update Link Message content</p>
<p>↩:: ControlFlow from Check the Train-Path Link to take data into object Train Guard: LINK is OK</p>
<p>↩:: ControlFlow from Check the Train-Path Link to Provide TrainRunningForecast Message content</p>
<p>↩:: ControlFlow from Check the Train-Path Link to provide Train Composition Message content</p>
<p>↩:: ControlFlow from Check the Train-Path Link to RU updates the data Guard: LINK is OK</p>
<p>↩:: ControlFlow from Check the Train-Path Link to provide Train Parking Message content</p>
<p>↩:: Information Flow from Check the Train-Path Link to Path (OP)</p>
<p>↩:: ControlFlow from Check the Train-Path Link to Provide Path Request Message content</p>
<p>↩:: ControlFlow from Check the Train-Path Link to take data into object Train Guard: LINK is OK</p>
<p>↩:: ControlFlow from Check the Train-Path Link to take info into object train Guard: LINK is OK</p>
<p>↩:: ControlFlow from Check the Train-Path Link to provide Train Ready Message content</p>
<p>↩:: ControlFlow from Check the Train-Path Link to Provide Error Message content Guard: LINK not OK</p>
<p>↩:: ControlFlow from Check the Train-Path Link to Produce error message</p>

OUTGOING BEHAVIORAL RELATIONSHIPS
Guard: LINK not OK
⇄ Information Flow from Check the Train-Path Link to Train (OP)
⇄ ControlFlow from Check the Train-Path Link to take data into object Train Guard: Link is OK

INCOMING BEHAVIORAL RELATIONSHIPS
⇄ ControlFlow from synchronize actions to Check the Train-Path Link
⇄ ControlFlow from process Update Information of the Object Message to Check the Train-Path Link
⇄ ControlFlow from Automatically triggered to Check the Train-Path Link Guard: TRAIN ID known
⇄ ControlFlow from Process TrainRunningForecast Message to Check the Train-Path Link
⇄ ControlFlow from synchronize actions to Check the Train-Path Link
⇄ ControlFlow from synchronize actions to Check the Train-Path Link
⇄ ControlFlow from process Train Running Information Message to Check the Train-Path Link
⇄ Information Flow from Train (OP) to Check the Train-Path Link
⇄ ControlFlow from process Train Running Information Message to Check the Train-Path Link
⇄ ControlFlow from Automatically triggered to Check the Train-Path Link Guard: Train ID known
⇄ ControlFlow from synchronize actions to Check the Train-Path Link
⇄ ControlFlow from process Train Running Forecast Message to Check the Train-Path Link
⇄ ControlFlow from synchronize actions to Check the Train-Path Link

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from synchronize actions to Check the Train-Path Link
⇒ ControlFlow from process TrainDelayPerformance Message to Check the Train-Path Link
⇒ ControlFlow from process TrainRunningInformation Message to Check the Train-Path Link
⇒ ControlFlow from synchronize actions to Check the Train-Path Link
⇒ ControlFlow from process Train Running Forecast Message to Check the Train-Path Link
⇒ ControlFlow from manually triggered to Check the Train-Path Link
⇒ ControlFlow from process error message to Check the Train-Path Link

ObjectNode16

ActionPin owned by 'Check the Train-Path Link', in package 'Handbook-Operation'

Provide Error Message content

Activity owned by 'RU-System', in package 'Handbook-Operation'

Provide Error Message content
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.03.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from Provide Error Message content to Error Message processing started
⇐ ControlFlow from Provide Error Message content to Error message Processing started
⇐ ControlFlow from Provide Error Message content to Error Message processing started
⇐ ControlFlow from Provide Error Message content to Error message processing started
⇐ ControlFlow from Provide Error Message content to Error Message processing started

OUTGOING BEHAVIORAL RELATIONSHIPS
ControlFlow from Provide Error Message content to Error message processed
ControlFlow from Provide Error Message content to Error message Processing started
ControlFlow from Provide Error Message content to Error message Processing started
ControlFlow from Provide Error Message content to Error Message processing started
ControlFlow from Provide Error Message content to Error Message Processing started

INCOMING BEHAVIORAL RELATIONSHIPS
ControlFlow from Check the Train-Path Link to Provide Error Message content Guard: LINK not OK

process error message

Activity owned by 'RU-System', in package 'Handbook-Operation'

process error message
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
ControlFlow from process error message to check Train-Path Link
ControlFlow from process error message to check Train Path Link
ControlFlow from process error message to Check the Train-Path Link

INCOMING BEHAVIORAL RELATIONSHIPS
ControlFlow from receive error message to process error message
ControlFlow from receive error message to process error message

receive error message

Activity owned by 'RU-System', in package 'Handbook-Operation'

INCOMING BEHAVIORAL RELATIONSHIPS

➡ ControlFlow from synchronize actions to receive error message

RU

Event owned by 'RU-System', in package 'Handbook-Operation'

RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 19.06.2013

RU

Event owned by 'RU-System', in package 'Handbook-Operation'

RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 19.06.2013

RU

Event owned by 'RU-System', in package 'Handbook-Operation'

RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 18.06.2013

RU

Event owned by 'RU-System', in package 'Handbook-Operation'

RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 17.06.2013

IM

Event owned by 'RU-System', in package 'Handbook-Operation'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 18.06.2013

CONNECTORS

➡ **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: IM : Event, Public

RU

Event owned by 'RU-System', in package 'Handbook-Operation'

RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 10.06.2013

RU

Event owned by 'RU-System', in package 'Handbook-Operation'

RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 11.06.2013

RU

Event owned by 'RU-System', in package 'Handbook-Operation'

RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 17.06.2013

RU

Event owned by 'RU-System', in package 'Handbook-Operation'

RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 10.06.2013

RU

Event owned by 'RU-System', in package 'Handbook-Operation'

RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 17.06.2013

RU

Event owned by 'RU-System', in package 'Handbook-Operation'

RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 10.06.2013

RU

Event owned by 'RU-System', in package 'Handbook-Operation'

RU
Version 1.0 Phase 1.0 Proposed

seid.maglajlic created on 08.02.2013. Last modified 10.06.2013

Automatically triggered

ActivityInitial owned by 'RU-System', in package 'Handbook-Operation'

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from Automatically triggered to Check the Train-Path Link
Guard: Train ID known

Error Message

Trigger owned by 'RU-System', in package 'Handbook-Operation'

Error Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 10.06.2013

CONNECTORS

Dependency Source -> Destination
From: Error message Processing started : Synchronization, Public
To: Error Message : Trigger, Public

Error Message

Trigger owned by 'RU-System', in package 'Handbook-Operation'

Error Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 10.06.2013


CONNECTORS

Dependency Source -> Destination
From: Error message Processing started : Synchronization, Public
To: Error Message : Trigger, Public

PathConfirmed Message

Trigger owned by 'RU-System', in package 'Handbook-Operation'

PathConfirmed Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 10.06.2013

CONNECTORS **Dependency** Source -> Destination

From: Path Confirmed Processing started : Synchronization, Public

To: PathConfirmed Message : Trigger, Public

PathRequest Message*Trigger owned by 'RU-System', in package 'Handbook-Operation'*

PathRequest Message
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 10.06.2013

CONNECTORS **Dependency** Source -> Destination

From: Path Request processing started : Synchronization, Public

To: PathRequest Message : Trigger, Public

Business Objects

Package in package 'Business Process Model'

Business Objects
Version 1.0 Phase 1.0 Proposed
created on 24.06.2013. Last modified 24.06.2013

Business Object Model diagram

Object diagram in package 'Business Objects'

Business Object Model
Version 2.0
seid.magljalic created on 08.11.2012. Last modified 11.03.2015

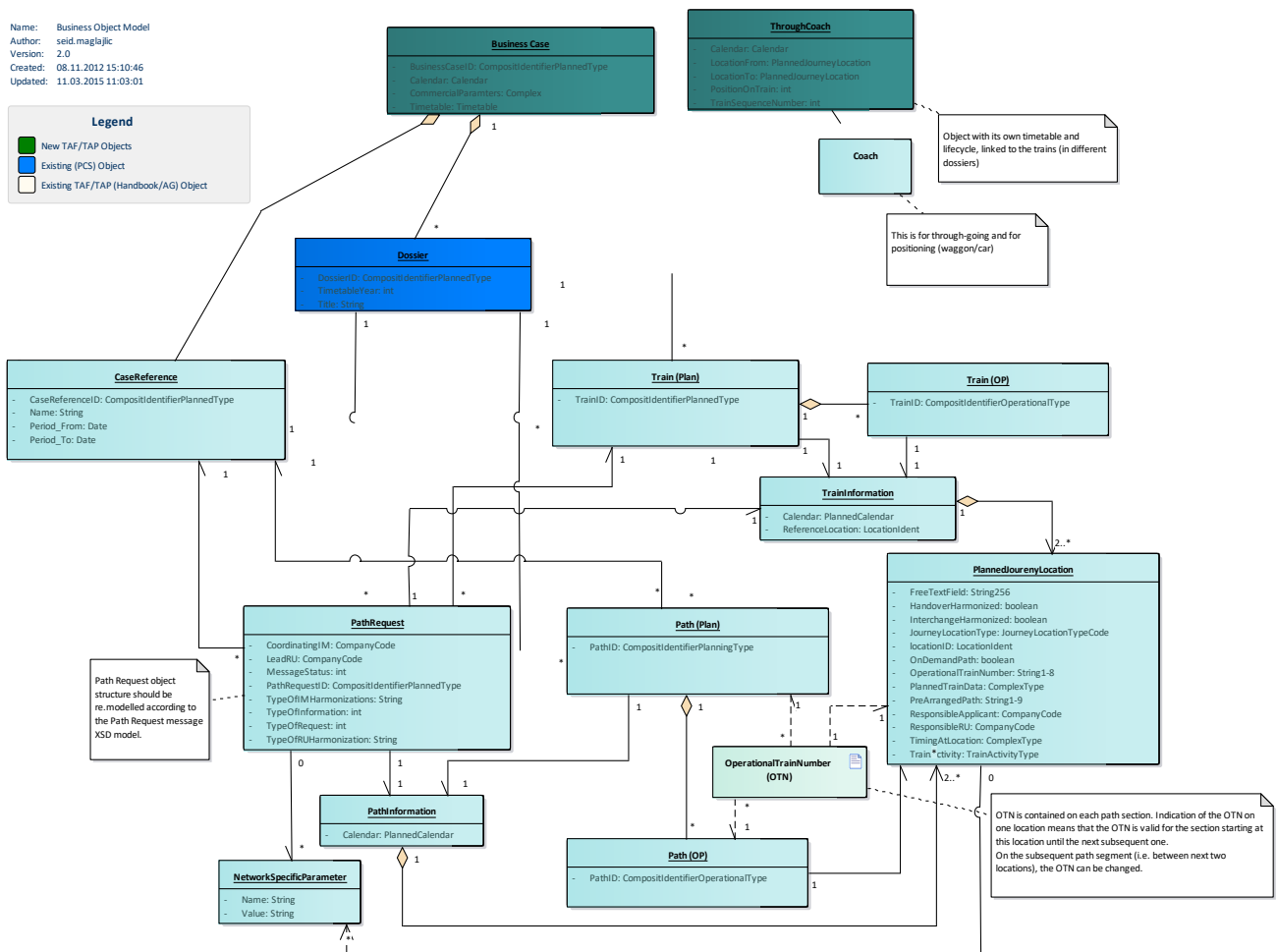


Figure 135: Business Object Model

Legend

Text in package 'Main Objects and LINKs'

Legend
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.02.2013. Last modified 18.02.2013
Extends

Note

Note in package 'Business Objects'

Path Request object structure should be re.modelled according to the Path Request message XSD model.

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 13.11.2013. Last modified 13.11.2013
Extends

Note

Note in package 'Business Objects'

OTN is contained on each path section. Indication of the OTN on one location means that the OTN is valid for the section starting at this location until the next subsequent one.

On the subsequent path segment (i.e. between next two locations), the OTN can be changed.

Note
Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 18.02.2015. Last modified 18.02.2015
Extends

Note

Note in package 'Business Objects'

Object with its own timetable and lifecycle, linked to the trains (in different dossiers)

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 18.02.2013
Extends

Note

Note in package 'Business Objects'

This is for through-going and for positioning (waggon/car)

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 18.02.2013
Extends

Text

Text in package 'Business Objects'

Text
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 08.11.2012
Extends

Business Overview-Objects diagram

Object diagram in package 'Business Objects'

Business Overview-Objects

Version 1.0

seid.magljalic created on 28.06.2013. Last modified 06.03.2015

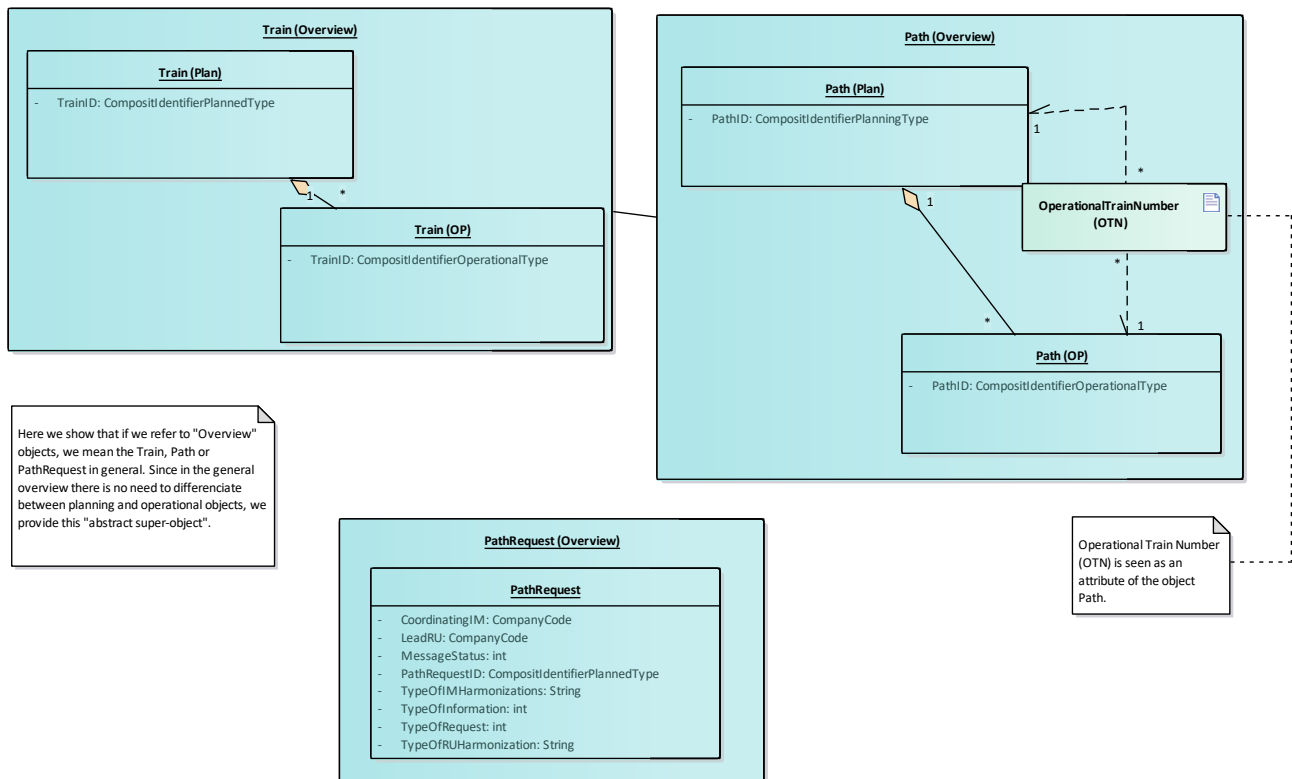


Figure 136: Business Overview-Objects

Note

Note in package 'Business Objects'

Here we show that if we refer to "Overview" objects, we mean the Train, Path or PathRequest in general. Since in the general overview there is no need to differentiate between planning and operational objects, we provide this "abstract super-object".

Note

Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 28.06.2013. Last modified 28.06.2013

Extends

Note

Note in package 'Business Objects'

Operational Train Number (OTN) is seen as an attribute of the object Path.

Note

Lifecycles

Package in package 'Business Objects'

Lifecycles
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 09.04.2013. Last modified 09.04.2013

BusinessCase diagram

StateMachine diagram in package 'Lifecycles'

BusinessCase
 Version 1.0
 Hantak created on 07.02.2013. Last modified 28.06.2013

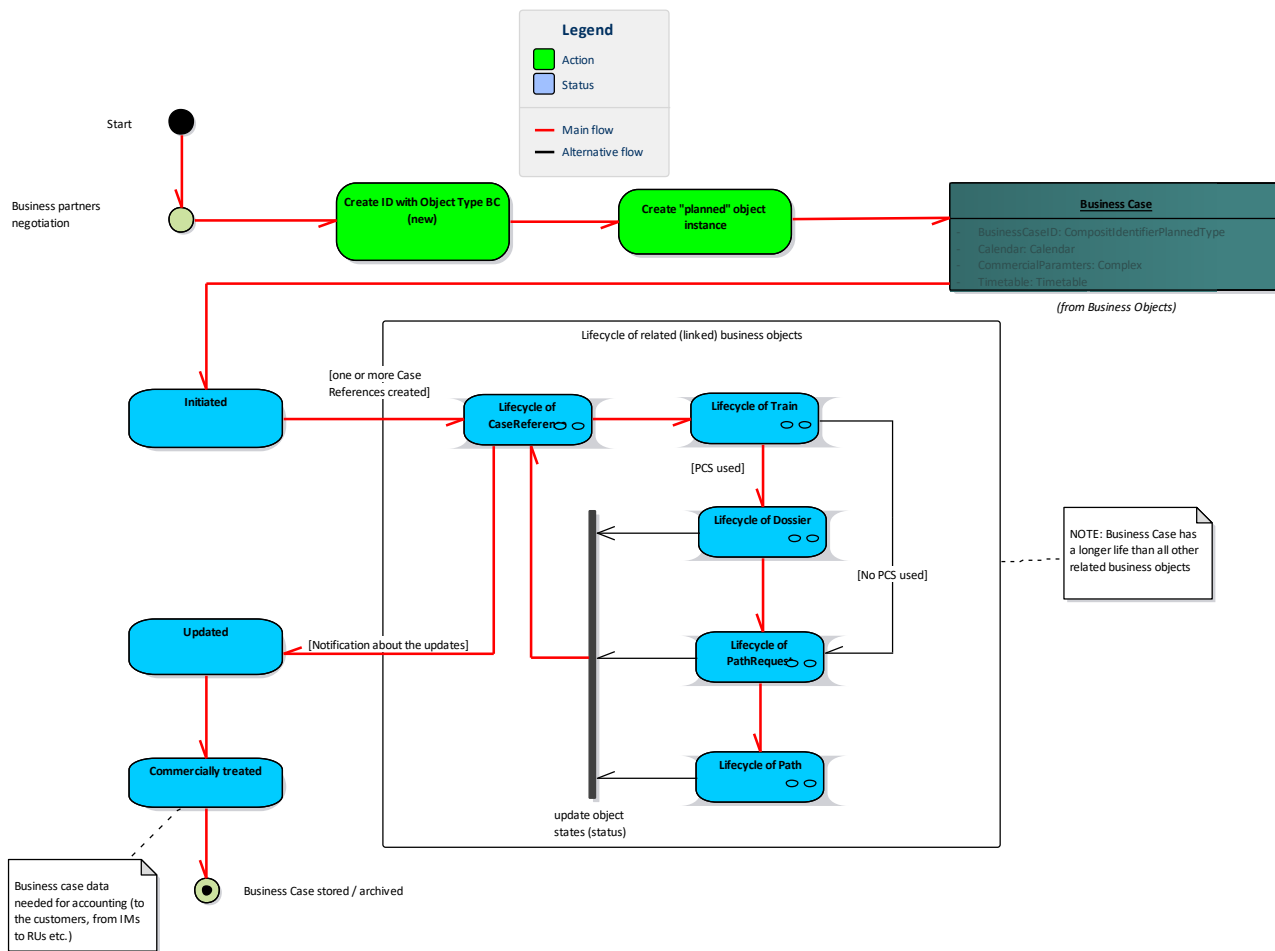


Figure 137: BusinessCase

Business Case

Object in package 'Business Objects'

Business Case
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 18.02.2013

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Aggregation from CaseReference to Business Case	[Direction is 'Source -> Destination'.]
⇒ Aggregation from Dossier to Business Case	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
◆ BusinessCaseID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]
◆ Calendar : Calendar Private	[Is static True. Containment is Not Specified.]
◆ CommercialParamters : Complex Private	[Is static True. Containment is Not Specified.]
◆ Timetable : Timetable Private	[Is static True. Containment is Not Specified.]

Lifecycle of related (linked) business objects

Boundary in package 'Lifecycles'

Lifecycle of related (linked) business objects
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013
Extends

Note

Note in package 'Lifecycles'

NOTE: Business Case has a longer life than all other related business objects

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013
Extends

Note*Note in package 'Lifecycles'*

Business case data needed for accounting (to the customers, from IMs to RUs etc.)

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013
Extends

Business Case stored / archived*Final State in package 'Lifecycles'*

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Transition from Commercially treated to Business Case stored / archived</p>

update object states (status)*Synchronization in package 'Lifecycles'*

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ Transition from update object states (status) to Lifecycle of CaseReference</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Transition from Lifecycle of Path to update object states (status)</p>
<p>⇒ Transition from Lifecycle of Dossier to update object states (status)</p>
<p>⇒ Transition from Lifecycle of PathRequest to update object states (status)</p>

CaseReference diagram*StateMachine diagram in package 'Lifecycles'*

CaseReference
Version 1.0
seid.magljalic created on 19.06.2013. Last modified 28.06.2013

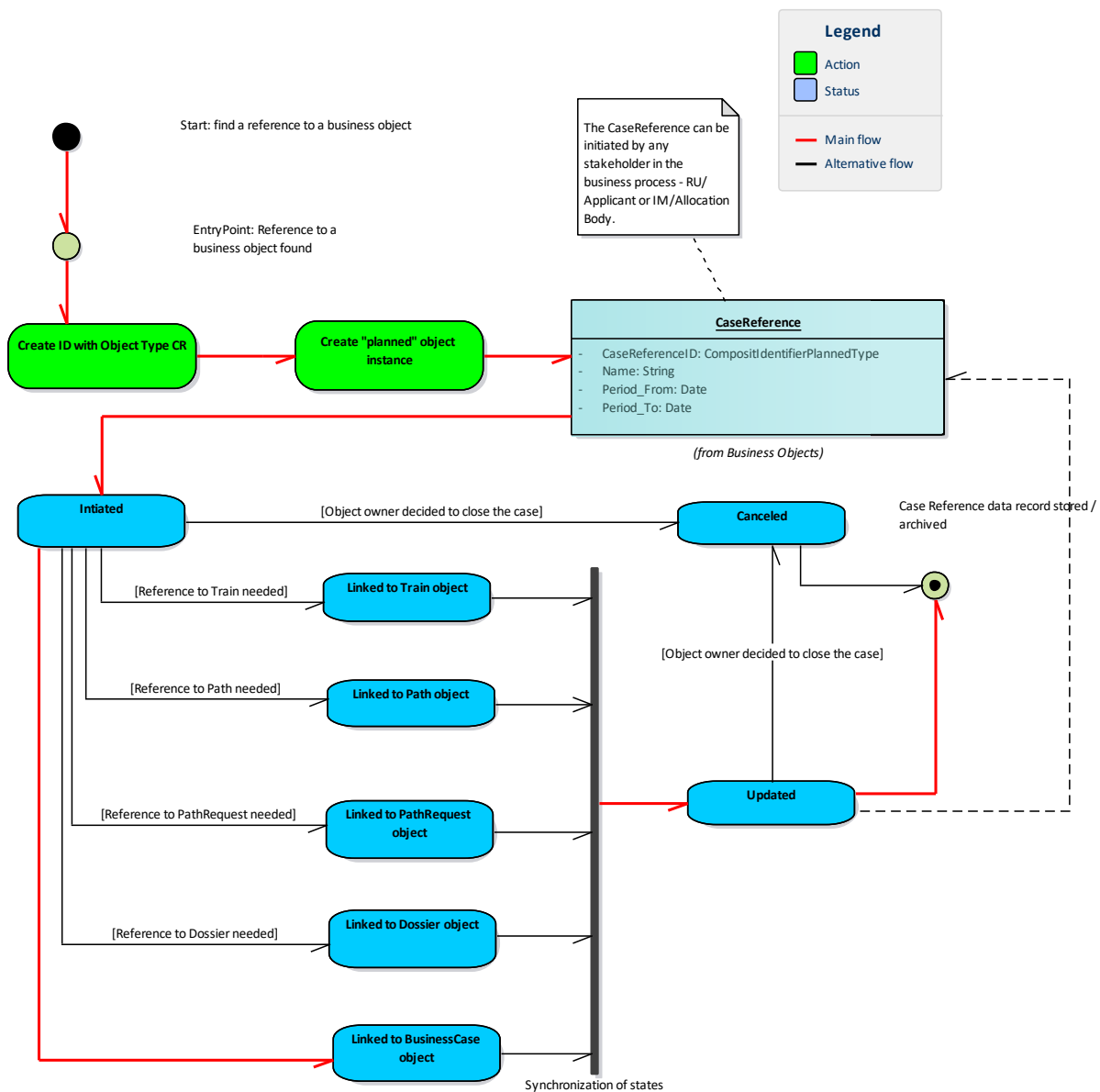


Figure 138: CaseReference

CaseReference

Object in package 'Business Objects'

CaseReference
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
Aggregation from CaseReference to Business Case	[Direction is 'Source -> Destination'.]

CONNECTORS	
Dependency Source -> Destination From: Updated : State, Public To: CaseReference : Object, Public	

ATTRIBUTES	
◆ CaseReferenceID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]
◆ Name : String Private	[Is static True. Containment is Not Specified.]
◆ Period_From : Date Private	[Is static True. Containment is Not Specified.]
◆ Period_To : Date Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
<p>✍ Association (direction: Unspecified)</p> <p>Source: Public (Object) CaseReference</p> <p>Target: Public (Object) Dossier</p>	
<p>✍ Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [*]</p> <p>Target: Public (Object) CaseReference Cardinality: [1]</p>	
<p>✍ Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p> <p>Target: Public (Object) CaseReference Cardinality: [1]</p>	
<p>✍ Association (direction: Unspecified)</p> <p>Source: Public (Object) CaseReference (Overview)</p> <p>Target: Public (Object) CaseReference</p>	
<p>✍ Association (direction: Source -> Destination)</p> <p>Source: Public (Object) Path (Plan) Cardinality: [*]</p> <p>Target: Public (Object) CaseReference Cardinality: [1]</p>	

Note

Note in package 'Lifecycles'

The CaseReference can be initiated by any stakeholder in the business process - RU/ Applicant or IM/Allocation Body.

Note
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 28.06.2013. Last modified 28.06.2013
 Extends

Case Reference data record stored / archived

Final State in package 'Lifecycles'

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ Transition from Updated to Case Reference data record stored / archived
⇒ Transition from Canceled to Case Reference data record stored / archived

Synchronization of states

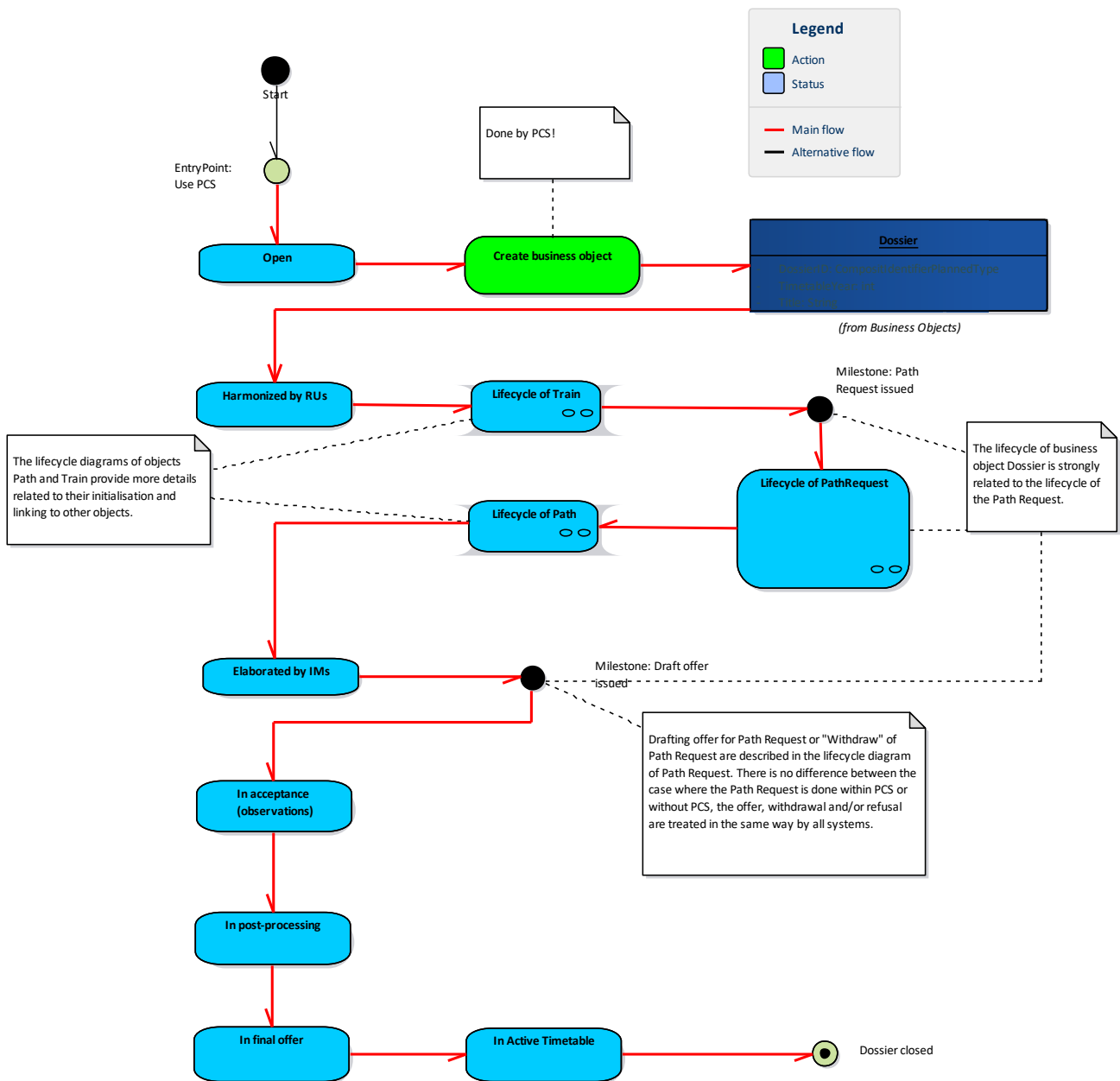
Synchronization in package 'Lifecycles'

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ Transition from Synchronization of states to Updated

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ Transition from Linked to PathRequest object to Synchronization of states
⇒ Transition from Linked to Path object to Synchronization of states
⇒ Transition from Linked to Dossier object to Synchronization of states
⇒ Transition from Linked to Train object to Synchronization of states
⇒ Transition from Linked to BusinessCase object to Synchronization of states

Dossier diagram

StateMachine diagram in package 'Lifecycles'




Dossier

Object in package 'Business Objects'

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from Dossier to Business Case

[Direction is 'Source -> Destination'.]

ATTRIBUTES	
<p> DossierID : CompositIdentifierPlannedType Private</p>	[Is static True. Containment is Not Specified.]
<p> TimetableYear : int Private</p>	[Is static True. Containment is Not Specified.]
<p> Title : String Private</p>	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Dossier Cardinality: [1]</p>	<p>Target: Public (Object) Path (Plan) Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Dossier Cardinality: [1]</p>	<p>Target: Public (Object) PathRequest Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) CaseReference</p>	<p>Target: Public (Object) Dossier</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) Dossier Cardinality: [1]</p>

Note

Note in package 'Lifecycles'

The lifecycle of business object Dossier is strongly related to the lifecycle of the Path Request.

Note
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013
 Extends

Note

Note in package 'Lifecycles'

Drafting offer for Path Request or "Withdraw" of Path Request are described in the lifecycle diagram of Path Request. There is no difference between the case where the Path Request is done within PCS or without PCS, the offer, withdrawal and/or refusal are treated in the same way by all systems.

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013
Extends

Note

Note in package 'Lifecycles'

The lifecycle diagrams of objects Path and Train provide more details related to their initialisation and linking to other objects.

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013
Extends

Note

Note in package 'Lifecycles'

Done by PCS!

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013
Extends

Dossier closed

Final State in package 'Lifecycles'

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Transition from In Active Timetable to Dossier closed</p>

Milestone: Draft offer issued

Junction in package 'Lifecycles'

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ Transition from Milestone: Draft offer issued to In acceptance (observations)</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Transition from Elaborated by IMs to Milestone: Draft offer issued</p>

INCOMING BEHAVIORAL RELATIONSHIPS

Milestone: Path Request issued

Junction in package 'Lifecycles'

OUTGOING BEHAVIORAL RELATIONSHIPS

← Transition from Milestone: Path Request issued to Lifecycle of PathRequest

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Lifecycle of Train to Milestone: Path Request issued

Lifecycles diagram

Analysis diagram in package 'Lifecycles'

Lifecycles
Version 1.0
seid.magljalic created on 14.06.2013. Last modified 18.06.2013

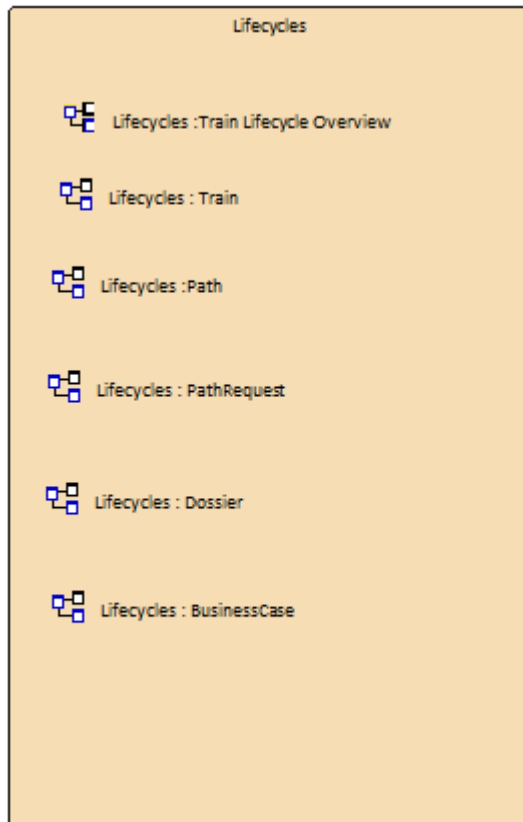


Figure 140: Lifecycles

Lifecycles

Boundary in package 'Lifecycles'

Lifecycles
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 14.06.2013. Last modified 14.06.2013
Extends

Lifecycles : BusinessCase

Text in package 'Lifecycles'

Lifecycles : BusinessCase

Lifecycles : BusinessCase
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 14.06.2013. Last modified 14.06.2013
Extends

Lifecycles : Dossier

Text in package 'Lifecycles'

Lifecycles : Dossier

Lifecycles : Dossier
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 14.06.2013. Last modified 14.06.2013
Extends

Lifecycles : PathRequest

Text in package 'Lifecycles'

Lifecycles : PathRequest

Lifecycles : PathRequest
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 14.06.2013. Last modified 14.06.2013
Extends

Lifecycles : Train

Text in package 'Lifecycles'

Lifecycles : Train

Lifecycles : Train
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 14.06.2013. Last modified 14.06.2013
Extends

Lifecycles :Path

Text in package 'Lifecycles'

Lifecycles :Path

Lifecycles :Path
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 14.06.2013. Last modified 14.06.2013
Extends

Lifecycles :Train Lifecycle Overview

Text in package 'Lifecycles'

Lifecycles :Train Lifecycle Overview

Lifecycles :Train Lifecycle Overview
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 14.06.2013. Last modified 14.06.2013
Extends

Path diagram

StateMachine diagram in package 'Lifecycles'

Path
Version 1.0
seid.maglajlic created on 07.02.2013. Last modified 08.11.2017

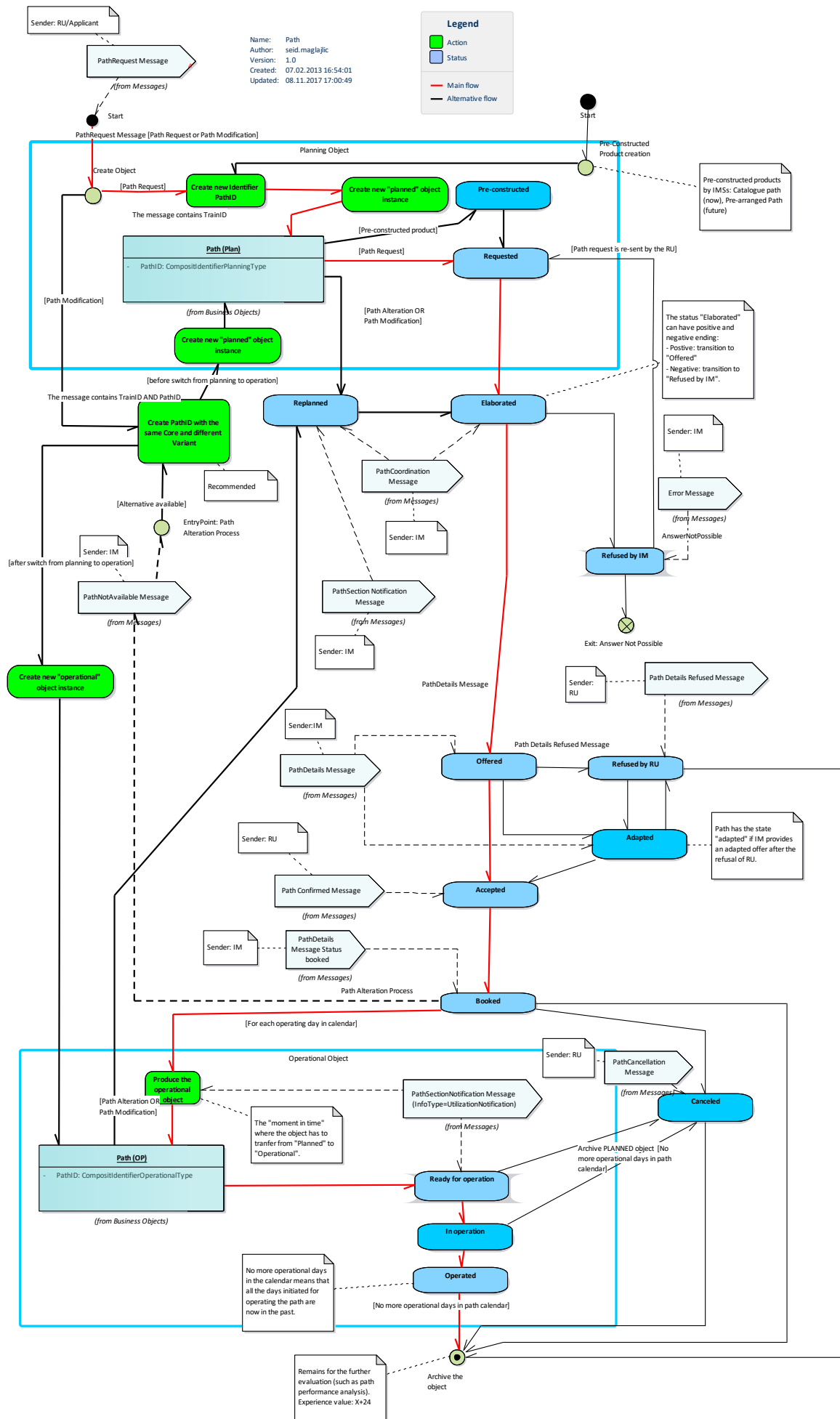




Figure 141: Path

PathCoordination Message

Trigger in package 'Messages'


PathCoordination Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 12.06.2013. Last modified 12.06.2013

CONNECTORS
<p> Dependency Source -> Destination From: PathCoordination Message : Trigger, Public To: In harmonization : State, Public</p>
<p> Dependency Source -> Destination From: PathCoordination Message : Trigger, Public To: Create object : EntryPoint, Public</p>
<p> Dependency Source -> Destination From: PathCoordination Message : Trigger, Public To: Replanned : State, Public</p>
<p> Dependency Source -> Destination From: PathCoordination Message : Trigger, Public To: Harmonized : State, Public</p>
<p> Dependency Source -> Destination From: PathCoordination Message : Trigger, Public To: Harmonized : State, Public</p>
<p> Dependency Source -> Destination From: PathCoordination Message : Trigger, Public To: Elaborated : State, Public</p>

PathSection Notification Message

Trigger in package 'Messages'








PathSection Notification Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 12.06.2013. Last modified 12.06.2013

CONNECTORS
<p> Dependency Source -> Destination From: PathSection Notification Message : Trigger, Public To: Replanned : State, Public</p>



Error Message

Trigger in package 'Messages'

Error Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 15.03.2013. Last modified 21.05.2013

CONNECTORS
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Receive error message : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: Error Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency AnswerNotPossible Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>



CONNECTORS
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message Processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processed : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

CONNECTORS
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

PathCancellation Message

Trigger in package 'Messages'



PathCancellation Message
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 21.05.2013







CONNECTORS
<p> Dependency Source -> Destination From: PathCancellation Message : Trigger, Public To: Canceled : State, Public</p>
<p> Dependency Source -> Destination From: Update Link Message and Path Cancellation Message processing started : Synchronization, Public To: PathCancellation Message : Trigger, Public</p>

Path Confirmed Message

Trigger in package 'Messages'

Path Confirmed Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 10.06.2013

CONNECTORS
<p> Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Accepted : State, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Accepted : State, Public</p>



CONNECTORS
<p> Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Path for the Train accepted : State, Public</p>
<p> Dependency [path offer accepted] Source -> Destination From: Check alternative path offer : Activity, Public To: Path Confirmed Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed processing started : Synchronization, Public To: Path Confirmed Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed Processing started : Synchronization, Public To: Path Confirmed Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed Processing started : Synchronization, Public To: Path Confirmed Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Planned : State, Public To: Path Confirmed Message : Trigger, Public</p>

PathDetails Message





Trigger in package 'Messages'

c02 diagram contains the identifier processing of this message

PathDetails Message
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.02.2013. Last modified 05.06.2013

CONNECTORS
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Finally offered : State, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>





CONNECTORS
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Offered : State, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Adapted : State, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Drafted : State, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: SendMessageIM-RU-TR-PA-RelID : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Path for the Train offered : State, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>


CONNECTORS
<p> Dependency Source -> Destination From: Path processing started : Synchronization, Public To: PathDetails Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Link the Train object to Path object by IM : Action, Public To: PathDetails Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Provide alternative path : Activity, Public To: PathDetails Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Details processing started : Synchronization, Public To: PathDetails Message : Trigger, Public</p>

PathDetails Message Status booked

Trigger in package 'Messages'

PathDetails Message Status booked
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.06.2013



CONNECTORS
<p> Dependency Source -> Destination From: PathDetails Message Status booked : Trigger, Public To: Planned : State, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message Status booked : Trigger, Public To: Booked : State, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message Status booked : Trigger, Public To: Train data adapted to the offered Path : State, Public</p>
<p> Dependency Source -> Destination From: Accepted : State, Public To: PathDetails Message Status booked : Trigger, Public</p>

CONNECTORS	
 Dependency	Source -> Destination
From:	Path Details Message Status Booked Processing started : Synchronization, Public
To:	PathDetails Message Status booked : Trigger, Public

Path Details Refused Message

Trigger in package 'Messages'








Path Details Refused Message
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 10.06.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	Path Details Refused Message : Trigger, Public
To:	Refused by RU : State, Public
 Dependency	Source -> Destination
From:	Path Details Refused Message : Trigger, Public
To:	Rejected by RU : State, Public
 Dependency	Source -> Destination
From:	Path Details Refused Message processing started : Synchronization, Public
To:	Path Details Refused Message : Trigger, Public
 Dependency	Source -> Destination
From:	Path Details refused Processing started : Synchronization, Public
To:	Path Details Refused Message : Trigger, Public
 Dependency	Source -> Destination
From:	Path Details refused Processing started : Synchronization, Public
To:	Path Details Refused Message : Trigger, Public

PathNotAvailable Message

Trigger in package 'Messages'

PathNotAvailable Message
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 21.05.2013









CONNECTORS
<p> Dependency Source -> Destination From: PathNotAvailable Message : Trigger, Public To: EntryPoint: Path Alteration Process : EntryPoint, Public</p>
<p> Dependency Source -> Destination From: PathNotAvailable Message : Trigger, Public To: BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH : Activity, Public</p>
<p> Dependency Source -> Destination From: PathNotAvailable Message : Trigger, Public To: Link processing started : Synchronization, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path Alteration Process Source -> Destination From: Booked : State, Public To: PathNotAvailable Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Start link processing : Synchronization, Public To: PathNotAvailable Message : Trigger, Public</p>

PathRequest Message

Trigger in package 'Messages'

PathRequest Message
Version 1.0 Phase 1.0 Proposed
seid.magljajlic created on 08.02.2013. Last modified 21.05.2013





CONNECTORS
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: Issued (requested) : State, Public</p>

CONNECTORS
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: In planning by IM : State, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: In planning by IM : State, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathRequest Message : Trigger, Public To: IM : Event, Public</p>
<p> Dependency PathRequest ID: Mandatory Source -> Destination From: PathRequest Message : Trigger, Public To: IM : Event, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: Start : Initial State, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o : Activity, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity, Public</p>
<p> Dependency Source -> Destination From: Path Request processing started : Synchronization, Public To: PathRequest Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Link the Train object to Path Request object : Action, Public To: PathRequest Message : Trigger, Public</p>

PathSectionNotification Message (InfoType=UtilizationNotification)

Trigger in package 'Messages'

PathSectionNotification Message (InfoType=UtilizationNotification)
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 18.02.2015




CONNECTORS	
 Dependency Source -> Destination	
From:	PathSectionNotification Message (InfoType=UtilizationNotification) : Trigger, Public
To:	Planned : State, Public
 Dependency Source -> Destination	
From:	PathSectionNotification Message (InfoType=UtilizationNotification) : Trigger, Public
To:	Produce the operational object : Action, Public
 Dependency Source -> Destination	
From:	PathSectionNotification Message (InfoType=UtilizationNotification) : Trigger, Public
To:	Ready for operation : State, Public
 Dependency Source -> Destination	
From:	Utilisation Notification Processing started : Synchronization, Public
To:	PathSectionNotification Message (InfoType=UtilizationNotification) : Trigger, Public


Path (OP)

Object owned by 'Path (Overview)', in package 'Business Objects'

Path (OP)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 28.06.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Path (OP) to Path (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination	
From:	Path (OP) : Object, Public
To:	Train Running Forecast Message : Trigger, Public
 Dependency Source -> Destination	
From:	Path (OP) : Object, Public
To:	Path : Object, Public
 Dependency Source -> Destination	
From:	OperationalTrainNumber (OTN) : Artifact, Public
To:	Path (OP) : Object, Public

ATTRIBUTES	
 PathID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]




ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Path (OP) Cardinality: [1]	Target: Public (Object) PlannedJourenyLocation Cardinality: [*]


Path (Plan)

Object owned by 'Path (Overview)', in package 'Business Objects'





Path (Plan)
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS	
 Aggregation from Path (OP) to Path (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Path (Plan) : Object, Public To: Path : Object, Public	
 Dependency Source -> Destination From: synchronize actions : Synchronization, Public To: Path (Plan) : Object, Public	
 Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (Plan) : Object, Public	

ATTRIBUTES	
 PathID : CompositIdentifierPlanningType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	

ASSOCIATIONS	
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) Path (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) PathInformation Cardinality: [1]</p>
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) Path (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) CaseReference Cardinality: [1]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Dossier Cardinality: [1]</p>	<p>Target: Public (Object) Path (Plan) Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) Path (Plan) Cardinality: [*]</p>

Note

Note in package 'Lifecycles'

Path has the state "adapted" if IM provides an adapted offer after the refusal of RU.

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 17.09.2013. Last modified 17.09.2013
Extends

Note

Note in package 'Lifecycles'

No more operational days in the calendar means that all the days initiated for operating the path are now in the past.

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 17.09.2013. Last modified 17.09.2013
Extends

Note

Note in package 'Lifecycles'

The status "Elaborated" can have positive and negative ending:

- Positive: transition to "Offered"
- Negative: transition to "Refused by IM".

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 13.11.2013. Last modified 13.11.2013
Extends

Operational Object

Boundary in package 'Lifecycles'

Operational Object
Version 1.0 Phase 1.0 Proposed
sfr created on 18.02.2013. Last modified 18.02.2013
Extends

Planning Object

Boundary in package 'Lifecycles'

Planning Object
Version 1.0 Phase 1.0 Proposed
sfr created on 18.02.2013. Last modified 18.02.2013
Extends

Note

Note in package 'Lifecycles'

Sender: IM

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 12.06.2013. Last modified 12.06.2013
Extends

Note

Note in package 'Lifecycles'

Recommended

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 08.02.2013
Extends

Note

Note in package 'Lifecycles'

Sender: RU/Applicant

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 08.02.2013
Extends

Note

Note in package 'Lifecycles'

Sender: RU

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013
Extends

Note

Note in package 'Lifecycles'

Sender:IM

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 08.02.2013
Extends

Note

Note in package 'Lifecycles'

Sender: IM

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 12.06.2013. Last modified 12.06.2013
Extends

Note

Note in package 'Lifecycles'

Pre-constructed products by IMSs: Catalogue path (now), Pre-arranged Path (future)

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.06.2013. Last modified 18.06.2013
Extends

Note

Note in package 'Lifecycles'

The "moment in time" where the object has to transfer from "Planned" to "Operational".

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.02.2013. Last modified 18.02.2013
Extends

Note

Note in package 'Lifecycles'

Sender: IM

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 12.06.2013. Last modified 12.06.2013
Extends

Note

Note in package 'Lifecycles'

Sender: IM

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 08.02.2013
Extends

Note

Note in package 'Lifecycles'

Sender: IM

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 12.06.2013. Last modified 12.06.2013
Extends

Note

Note in package 'Lifecycles'

Sender: RU

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 12.06.2013. Last modified 12.06.2013
Extends

Note

Note in package 'Lifecycles'

Remains for the further evaluation (such as path performance analysis). Experience value: X+24

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 11.02.2013. Last modified 11.02.2013
Extends

Note

Note in package 'Lifecycles'

Sender: RU

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 08.02.2013
Extends

Text

Text in package 'Lifecycles'

Text
Version 1.0 Phase 1.0 Proposed
sfr created on 18.02.2013. Last modified 18.02.2013
Extends

Archive the object

Final State in package 'Lifecycles'

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Transition from Canceled to Archive the object</p>
<p>Name: Archive PLANNED object</p> <p>⇒ Transition from Booked to Archive the object Guard: No more operational days in path calendar</p>
<p>⇒ Transition from Refused by RU to Archive the object</p>
<p>⇒ Transition from Operated to Archive the object Guard: No more operational days in path calendar</p>

PathRequest diagram

StateMachine diagram in package 'Lifecycles'

PathRequest
Version 1.0
seid.magljalic created on 07.02.2013. Last modified 05.07.2022

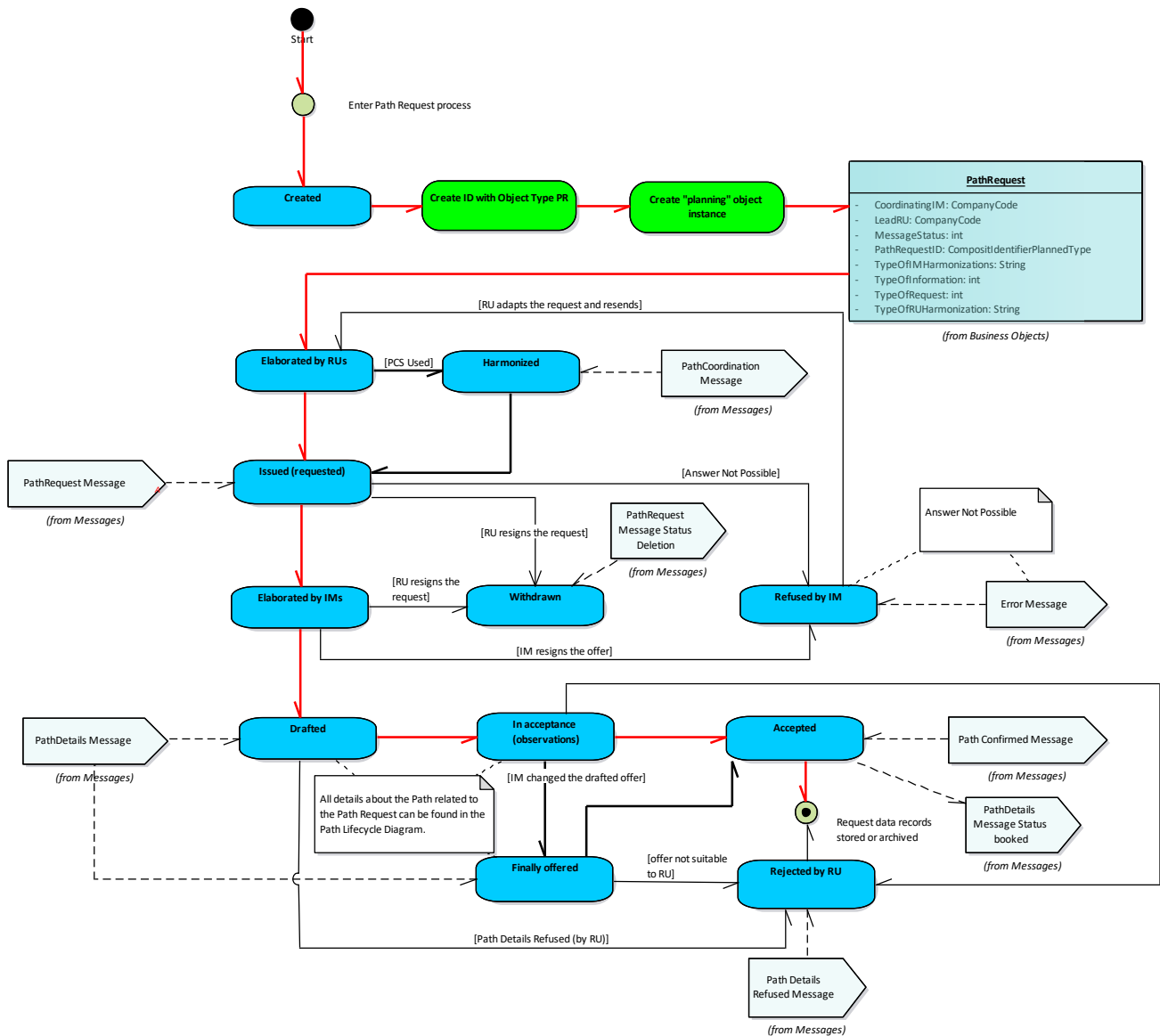


Figure 142: PathRequest

PathCoordination Message

Trigger in package 'Messages'

PathCoordination Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 12.06.2013. Last modified 12.06.2013





CONNECTORS	
<p> Dependency Source -> Destination</p> <p>From: PathCoordination Message : Trigger, Public</p> <p>To: In harmonization : State, Public</p>	
<p> Dependency Source -> Destination</p> <p>From: PathCoordination Message : Trigger, Public</p> <p>To: Create object : EntryPoint, Public</p>	

CONNECTORS
<p> Dependency Source -> Destination From: PathCoordination Message : Trigger, Public To: Replanned : State, Public</p>
<p> Dependency Source -> Destination From: PathCoordination Message : Trigger, Public To: Harmonized : State, Public</p>
<p> Dependency Source -> Destination From: PathCoordination Message : Trigger, Public To: Harmonized : State, Public</p>
<p> Dependency Source -> Destination From: PathCoordination Message : Trigger, Public To: Elaborated : State, Public</p>


Error Message


Trigger in package 'Messages'


Error Message
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 15.03.2013. Last modified 21.05.2013


CONNECTORS
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Receive error message : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: Error Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency AnswerNotPossible Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>


CONNECTORS


 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public


 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public


 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public


 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public


 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public






 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public

 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public

 **Dependency** Source -> Destination
From: Error Message Processing started : Synchronization, Public
To: Error Message : Trigger, Public

 **Dependency** Source -> Destination
From: Error message Processing started : Synchronization, Public
To: Error Message : Trigger, Public




 **Dependency** Source -> Destination
From: Error Message processing started : Synchronization, Public
To: Error Message : Trigger, Public






CONNECTORS
<p> Dependency Source -> Destination From: Error message processed : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

Path Confirmed Message

Trigger in package 'Messages'

Path Confirmed Message
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 15.03.2013. Last modified 10.06.2013

CONNECTORS
<p> Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Accepted : State, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Accepted : State, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Path for the Train accepted : State, Public</p>




CONNECTORS
<p> Dependency [path offer accepted] Source -> Destination From: Check alternative path offer : Activity, Public To: Path Confirmed Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed processing started : Synchronization, Public To: Path Confirmed Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed Processing started : Synchronization, Public To: Path Confirmed Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed Processing started : Synchronization, Public To: Path Confirmed Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Planned : State, Public To: Path Confirmed Message : Trigger, Public</p>


PathDetails Message




Trigger in package 'Messages'

c02 diagram contains the identifier processing of this message

PathDetails Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.02.2013. Last modified 05.06.2013

CONNECTORS
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Finally offered : State, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>






CONNECTORS
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Offered : State, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Adapted : State, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Drafted : State, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: SendMessageIM-RU-TR-PA-RelID : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Path for the Train offered : State, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Source -> Destination From: Path processing started : Synchronization, Public To: PathDetails Message : Trigger, Public</p>

CONNECTORS	
 Dependency Source -> Destination	
From:	Link the Train object to Path object by IM : Action, Public
To:	PathDetails Message : Trigger, Public
 Dependency Source -> Destination	
From:	Provide alternative path : Activity, Public
To:	PathDetails Message : Trigger, Public
 Dependency Source -> Destination	
From:	Path Details processing started : Synchronization, Public
To:	PathDetails Message : Trigger, Public

PathDetails Message Status booked

Trigger in package 'Messages'




PathDetails Message Status booked
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 02.06.2013

CONNECTORS	
 Dependency Source -> Destination	
From:	PathDetails Message Status booked : Trigger, Public
To:	Planned : State, Public
 Dependency Source -> Destination	
From:	PathDetails Message Status booked : Trigger, Public
To:	Booked : State, Public
 Dependency Source -> Destination	
From:	PathDetails Message Status booked : Trigger, Public
To:	Train data adapted to the offered Path : State, Public
 Dependency Source -> Destination	
From:	Accepted : State, Public
To:	PathDetails Message Status booked : Trigger, Public
 Dependency Source -> Destination	
From:	Path Details Message Status Booked Processing started : Synchronization, Public
To:	PathDetails Message Status booked : Trigger, Public

Path Details Refused Message

Trigger in package 'Messages'



Path Details Refused Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.02.2013. Last modified 10.06.2013









CONNECTORS
<p> Dependency Source -> Destination From: Path Details Refused Message : Trigger, Public To: Refused by RU : State, Public</p>
<p> Dependency Source -> Destination From: Path Details Refused Message : Trigger, Public To: Rejected by RU : State, Public</p>
<p> Dependency Source -> Destination From: Path Details Refused Message processing started : Synchronization, Public To: Path Details Refused Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Details refused Processing started : Synchronization, Public To: Path Details Refused Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Details refused Processing started : Synchronization, Public To: Path Details Refused Message : Trigger, Public</p>

PathRequest Message

Trigger in package 'Messages'

PathRequest Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.02.2013. Last modified 21.05.2013



CONNECTORS
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: Issued (requested) : State, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: In planning by IM : State, Public</p>

CONNECTORS
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: In planning by IM : State, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathRequest Message : Trigger, Public To: IM : Event, Public</p>
<p> Dependency PathRequest ID: Mandatory Source -> Destination From: PathRequest Message : Trigger, Public To: IM : Event, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: Start : Initial State, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o : Activity, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity, Public</p>
<p> Dependency Source -> Destination From: Path Request processing started : Synchronization, Public To: PathRequest Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Link the Train object to Path Request object : Action, Public To: PathRequest Message : Trigger, Public</p>

PathRequest Message Status Deletion

Trigger in package 'Messages'









PathRequest Message Status Deletion
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 02.06.2013

CONNECTORS	
 Dependency Source -> Destination From: PathRequest Message Status Deletion : Trigger, Public To: Withdrawn : State, Public	
 Dependency Source -> Destination From: Path Request Message Status Deletion Processing started : Synchronization, Public To: PathRequest Message Status Deletion : Trigger, Public	

PathRequest

Object owned by 'PathRequest (Overview)', in package 'Business Objects'

PathRequest
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 28.06.2013

ATTRIBUTES	
 CoordinatingIM : CompanyCode Private	[Is static True. Containment is Not Specified.]
 LeadRU : CompanyCode Private	[Is static True. Containment is Not Specified.]
 MessageStatus : int Private	[Is static True. Containment is Not Specified.]
 PathRequestID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]
 TypeOfIMHarmonizations : String Private	[Is static True. Containment is Not Specified.]
 TypeOfInformation : int Private	[Is static True. Containment is Not Specified.]
 TypeOfRequest : int Private	[Is static True. Containment is Not Specified.]
 TypeOfRUHarmonization : String Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [1]</p>	<p>Target: Public (Object) TrainInformation Cardinality: [1]</p>
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [*]</p>	<p>Target: Public (Object) CaseReference Cardinality: [1]</p>
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [0]</p>	<p>Target: Public (Object) NetworkSpecificParameter Cardinality: [*]</p>
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [1]</p>	<p>Target: Public (Object) PathInformation Cardinality: [1]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Dossier Cardinality: [1]</p>	<p>Target: Public (Object) PathRequest Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) PathRequest (Overview)</p>	<p>Target: Public (Object) PathRequest</p>
<p> Association (direction: Destination -> Source)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) PathRequest Cardinality: [*]</p>

Note

Note in package 'Lifecycles'

All details about the Path related to the Path Request can be found in the Path Lifecycle Diagram.

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.06.2013. Last modified 19.06.2013
Extends

Note

Note in package 'Lifecycles'

Answer Not Possible

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.06.2013. Last modified 19.06.2013
Extends

Request data records stored or archived

Final State in package 'Lifecycles'

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ Transition from Rejected by RU to Request data records stored or archived
⇒ Transition from Accepted to Request data records stored or archived

Train diagram

StateMachine diagram in package 'Lifecycles'

Train
Version 1.0
seid.maglajlic created on 07.02.2013. Last modified 17.09.2013

Legend

- Action
- Status
- Main flow
- Alternative flow

Metadata:
 Name: Train
 Author: seid.magljalic
 Version: 1.0
 Created: 07.02.2013 16:53:34
 Updated: 17.02.2013 11:46:44

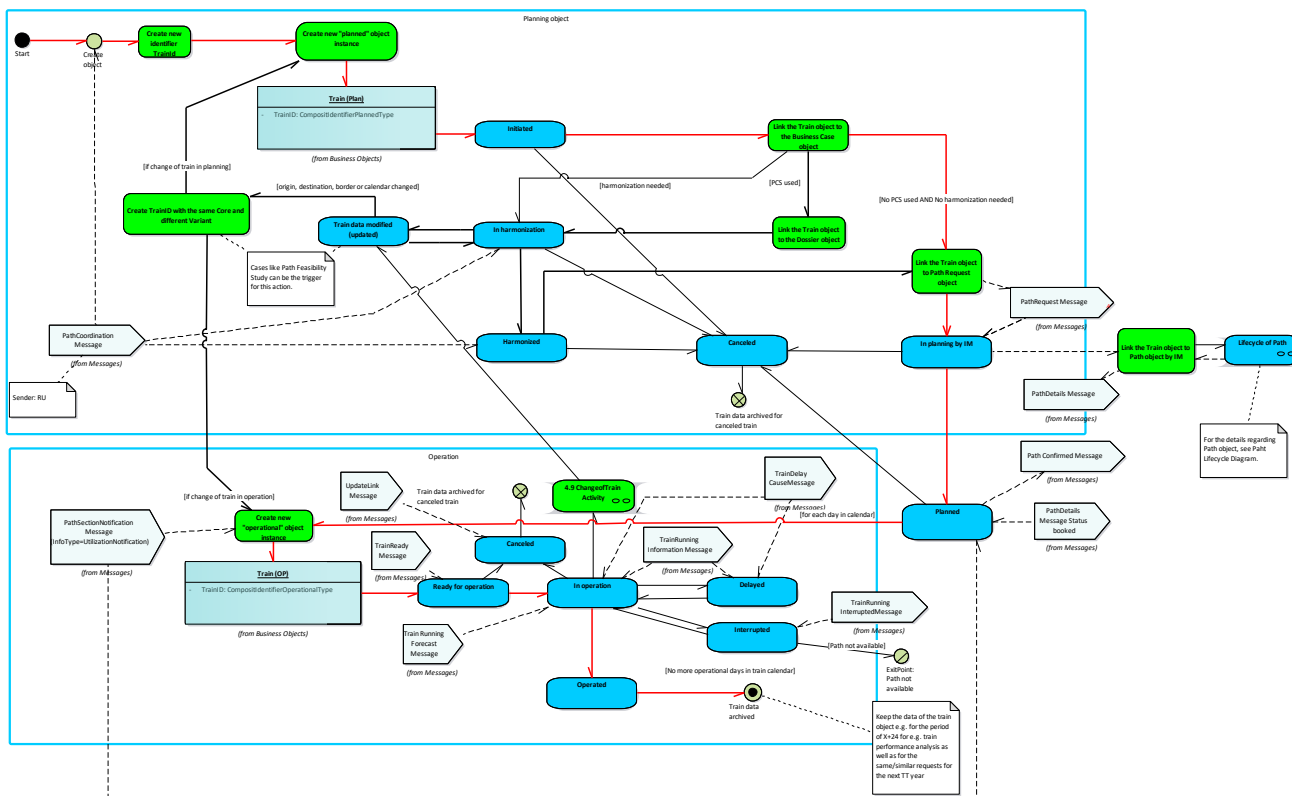





Figure 143: Train

PathCoordination Message

Trigger in package 'Messages'

PathCoordination Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 12.06.2013. Last modified 12.06.2013






CONNECTORS	
<p>Dependency Source -> Destination</p> <p>From: PathCoordination Message : Trigger, Public</p> <p>To: In harmonization : State, Public</p>	
<p>Dependency Source -> Destination</p> <p>From: PathCoordination Message : Trigger, Public</p> <p>To: Create object : EntryPoint, Public</p>	
<p>Dependency Source -> Destination</p> <p>From: PathCoordination Message : Trigger, Public</p> <p>To: Replanned : State, Public</p>	




CONNECTORS
<p> Dependency Source -> Destination From: PathCoordination Message : Trigger, Public To: Harmonized : State, Public</p>
<p> Dependency Source -> Destination From: PathCoordination Message : Trigger, Public To: Harmonized : State, Public</p>
<p> Dependency Source -> Destination From: PathCoordination Message : Trigger, Public To: Elaborated : State, Public</p>

Path Confirmed Message

Trigger in package 'Messages'

Path Confirmed Message
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 15.03.2013. Last modified 10.06.2013

CONNECTORS
<p> Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Accepted : State, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Accepted : State, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Path for the Train accepted : State, Public</p>
<p> Dependency [path offer accepted] Source -> Destination From: Check alternative path offer : Activity, Public To: Path Confirmed Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed processing started : Synchronization, Public To: Path Confirmed Message : Trigger, Public</p>

CONNECTORS
<p> Dependency Source -> Destination From: Path Confirmed Processing started : Synchronization, Public To: Path Confirmed Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed Processing started : Synchronization, Public To: Path Confirmed Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Planned : State, Public To: Path Confirmed Message : Trigger, Public</p>

PathDetails Message


Trigger in package 'Messages'

c02 diagram contains the identifier processing of this message


PathDetails Message
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.02.2013. Last modified 05.06.2013


CONNECTORS
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Finally offered : State, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Offered : State, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>


CONNECTORS


 **Dependency** Source -> Destination
 From: PathDetails Message : Trigger, Public
 To: Adapted : State, Public


 **Dependency** Source -> Destination
 From: PathDetails Message : Trigger, Public
 To: PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity, Public


 **Dependency** Source -> Destination
 From: PathDetails Message : Trigger, Public
 To: Drafted : State, Public


 **Dependency** Source -> Destination
 From: PathDetails Message : Trigger, Public
 To: SendMessageIM-RU-TR-PA-RelID : Activity, Public


 **Dependency** PathID Source -> Destination
 From: PathDetails Message : Trigger, Public
 To: RU : Event, Public


 **Dependency** Source -> Destination
 From: PathDetails Message : Trigger, Public
 To: Path for the Train offered : State, Public

 **Dependency** TrainID Source -> Destination
 From: PathDetails Message : Trigger, Public
 To: RU : Event, Public

 **Dependency** Source -> Destination
 From: Path processing started : Synchronization, Public
 To: PathDetails Message : Trigger, Public

 **Dependency** Source -> Destination
 From: Link the Train object to Path object by IM : Action, Public
 To: PathDetails Message : Trigger, Public






 **Dependency** Source -> Destination
 From: Provide alternative path : Activity, Public
 To: PathDetails Message : Trigger, Public

CONNECTORS	
 Dependency	Source -> Destination
From:	Path Details processing started : Synchronization, Public
To:	PathDetails Message : Trigger, Public

PathDetails Message Status booked

Trigger in package 'Messages'











PathDetails Message Status booked
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.06.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	PathDetails Message Status booked : Trigger, Public
To:	Planned : State, Public
 Dependency	Source -> Destination
From:	PathDetails Message Status booked : Trigger, Public
To:	Booked : State, Public
 Dependency	Source -> Destination
From:	PathDetails Message Status booked : Trigger, Public
To:	Train data adapted to the offered Path : State, Public
 Dependency	Source -> Destination
From:	Accepted : State, Public
To:	PathDetails Message Status booked : Trigger, Public
 Dependency	Source -> Destination
From:	Path Details Message Status Booked Processing started : Synchronization, Public
To:	PathDetails Message Status booked : Trigger, Public

PathRequest Message

Trigger in package 'Messages'




PathRequest Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.02.2013. Last modified 21.05.2013

CONNECTORS
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: Issued (requested) : State, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: In planning by IM : State, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: In planning by IM : State, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathRequest Message : Trigger, Public To: IM : Event, Public</p>
<p> Dependency PathRequest ID: Mandatory Source -> Destination From: PathRequest Message : Trigger, Public To: IM : Event, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: Start : Initial State, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o : Activity, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity, Public</p>
<p> Dependency Source -> Destination From: Path Request processing started : Synchronization, Public To: PathRequest Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Link the Train object to Path Request object : Action, Public To: PathRequest Message : Trigger, Public</p>

TrainDelay CauseMessage

Trigger in package 'Messages'



TrainDelay CauseMessage
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 15.03.2013. Last modified 21.05.2013

CONNECTORS
<p> Dependency Source -> Destination From: TrainDelay CauseMessage : Trigger, Public To: In operation : State, Public</p>
<p> Dependency Source -> Destination From: TrainDelay CauseMessage : Trigger, Public To: Delayed : State, Public</p>
<p> Dependency Source -> Destination From: Train Delay Cause Message processing started : Synchronization, Public To: TrainDelay CauseMessage : Trigger, Public</p>

TrainReady Message

Trigger in package 'Messages'







TrainReady Message
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 21.05.2013

CONNECTORS
<p> Dependency Source -> Destination From: TrainReady Message : Trigger, Public To: Ready for operation : State, Public</p>
<p> Dependency Source -> Destination From: Train Ready Message processing started : Synchronization, Public To: TrainReady Message : Trigger, Public</p>

Train Running Forecast Message

Trigger in package 'Messages'



Train Running Forecast Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 15.03.2013. Last modified 04.06.2013




CONNECTORS
<p> Dependency Source -> Destination From: Train Running Forecast Message : Trigger, Public To: In operation : State, Public</p>
<p> Dependency Source -> Destination From: Train Running Forecast Message : Trigger, Public To: RU : ActivityPartition, Public</p>
<p> Dependency Source -> Destination From: Train Running Forecast Messaging started : Synchronization, Public To: Train Running Forecast Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path (OP) : Object, Public To: Train Running Forecast Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Train Running Forecast Processing started : Synchronization, Public To: Train Running Forecast Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Train Running Forecast Messahe Processing started : Synchronization, Public To: Train Running Forecast Message : Trigger, Public</p>

TrainRunning Information Message

Trigger in package 'Messages'

TrainRunning Information Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 17.06.2013



CONNECTORS
<p> Dependency Source -> Destination From: TrainRunning Information Message : Trigger, Public To: In operation : State, Public</p>
<p> Dependency Source -> Destination From: TrainRunning Information Message : Trigger, Public To: Delayed : State, Public</p>

CONNECTORS	
 Dependency Source -> Destination	
From:	Train Running Information Message processing started : Synchronization, Public
To:	TrainRunning Information Message : Trigger, Public
 Dependency Source -> Destination	
From:	Train Running Information Processing started : Synchronization, Public
To:	TrainRunning Information Message : Trigger, Public
 Dependency Source -> Destination	
From:	Train Running Information processing started : Synchronization, Public
To:	TrainRunning Information Message : Trigger, Public

TrainRunning InterruptedMessage

Trigger in package 'Messages'


TrainRunning InterruptedMessage
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 21.05.2013



CONNECTORS	
 Dependency Source -> Destination	
From:	TrainRunning InterruptedMessage : Trigger, Public
To:	Interrupted : State, Public
 Dependency Source -> Destination	
From:	Train Running Interrupted Message processing started : Synchronization, Public
To:	TrainRunning InterruptedMessage : Trigger, Public

UpdateLink Message

Trigger in package 'Messages'

UpdateLink Message
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 21.05.2013



CONNECTORS	
 Dependency Source -> Destination	
From:	UpdateLink Message : Trigger, Public
To:	c16-SendMessage-RU-IM -TR_m-PA_m-OTN_m : Activity, Public



CONNECTORS
<p> Dependency Source -> Destination From: UpdateLink Message : Trigger, Public To: Canceled : State, Public</p>
<p> Dependency Source -> Destination From: Update Link Message processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Update Link Message and Path Cancellation Message processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Update Link Message Processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Train Shifting to existing path processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Update Link Message processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>

PathSectionNotification Message (InfoType=UtilizationNotification)

Trigger in package 'Messages'

PathSectionNotification Message (InfoType=UtilizationNotification)
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 18.02.2015

CONNECTORS
<p> Dependency Source -> Destination From: PathSectionNotification Message (InfoType=UtilizationNotification) : Trigger, Public To: Planned : State, Public</p>
<p> Dependency Source -> Destination From: PathSectionNotification Message (InfoType=UtilizationNotification) : Trigger, Public To: Produce the operational object : Action, Public</p>

CONNECTORS	
 Dependency Source -> Destination	
From:	PathSectionNotification Message (InfoType=UtilizationNotification) : Trigger, Public
To:	Ready for operation : State, Public
 Dependency Source -> Destination	
From:	Utilisation Notification Processing started : Synchronization, Public
To:	PathSectionNotification Message (InfoType=UtilizationNotification) : Trigger, Public


Train (OP)


Object owned by 'Train (Overview)', in package 'Business Objects'

Train (OP)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 18.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Train (OP) to Train (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination	
From:	Train (OP) : Object, Public
To:	Train : Object, Public

ATTRIBUTES	
 TrainID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Train (OP) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]

Train (Plan)

Object owned by 'Train (Overview)', in package 'Business Objects'


Train (Plan)
Version 1.0 Phase 1.0 Proposed

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from Train (OP) to Train (Plan)

[Direction is 'Source -> Destination'.]


CONNECTORS

 **Dependency** Source -> Destination

From: Train (Plan) : Object, Public

To: Train : Object, Public

ATTRIBUTES

 TrainID : CompositIdentifierPlannedType Private

[Is static True. Containment is Not Specified.]

ASSOCIATIONS

 Association (direction: Source -> Destination)

Source: Public (Object) Train (Plan)

Cardinality: [1]

Target: Public (Object) TrainInformation

Cardinality: [1]

 Association (direction: Destination -> Source)

Source: Public (Object) Train (Plan)

Cardinality: [1]

Target: Public (Object) PathRequest

Cardinality: [*]

 Association (direction: Unspecified)

Source: Public (Object) Train (Plan)

Cardinality: [1]

Target: Public (Object) Path (Plan)

Cardinality: [*]

 Association (direction: Unspecified)

Source: Public (Object) Train (Plan)

Cardinality: [*]

Target: Public (Object) CaseReference

Cardinality: [1]

 Association (direction: Unspecified)

Source: Public (Object) Train (Plan)

Cardinality: [*]

Target: Public (Object) Dossier

Cardinality: [1]

Operation

Boundary in package 'Lifecycles'

Operation
Version 1.0 Phase 1.0 Proposed
sfr created on 18.02.2013. Last modified 12.06.2013
Extends

Planning object

Boundary in package 'Lifecycles'

Planning object
Version 1.0 Phase 1.0 Proposed
sfr created on 18.02.2013. Last modified 12.06.2013
Extends

Note

Note in package 'Lifecycles'

Keep the data of the train object e.g. for the period of X+24 for e.g. train performance analysis as well as for the same/similar requests for the next TT year

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 11.02.2013. Last modified 11.02.2013
Extends

Note

Note in package 'Lifecycles'

Cases like Path Feasibility Study can be the trigger for this action.

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 11.02.2013. Last modified 11.02.2013
Extends

Note

Note in package 'Lifecycles'

Sender: RU

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 12.06.2013. Last modified 12.06.2013
Extends

Note

Note in package 'Lifecycles'

For the details regarding Path object, see Paht Lifecycle Diagram.

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.06.2013. Last modified 18.06.2013
Extends

Text

Text in package 'Lifecycles'

Text
Version 1.0 Phase 1.0 Proposed
sfr created on 18.02.2013. Last modified 18.02.2013
Extends

Train data archived

Final State in package 'Lifecycles'

INCOMING BEHAVIORAL RELATIONSHIPS
 Transition from Operated to Train data archived Guard: No more operational days in train calendar

Train Lifecycle Overview diagram

StateMachine diagram in package 'Lifecycles'

Train Lifecycle Overview
Version 1.0
seid.magljalic created on 12.06.2013. Last modified 08.09.2014

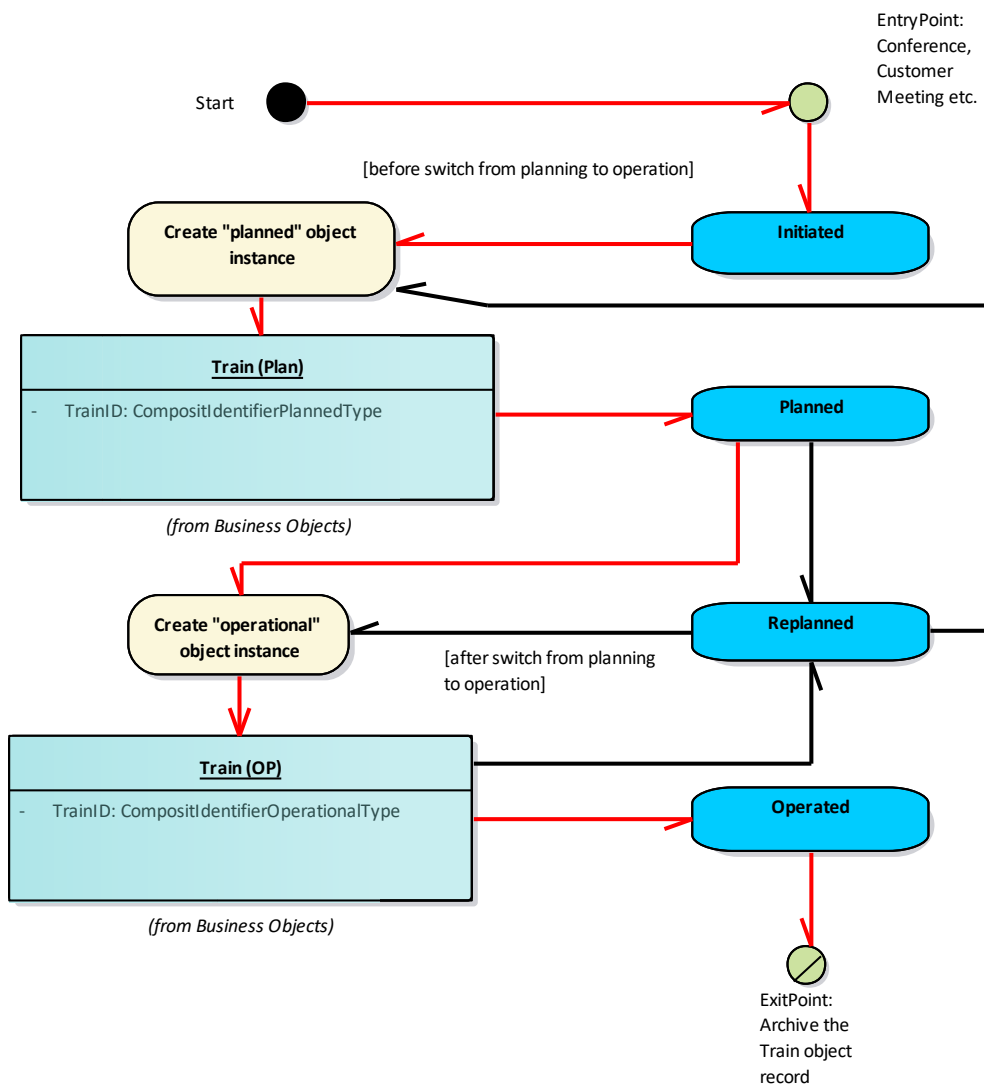


Figure 144: Train Lifecycle Overview

Train (OP)

Object owned by 'Train (Overview)', in package 'Business Objects'

Train (OP)
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.11.2012. Last modified 18.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
← Aggregation from Train (OP) to Train (Plan)	[Direction is 'Source -> Destination'.]
CONNECTORS	
↗ Dependency Source -> Destination	
From: Train (OP) : Object, Public	
To: Train : Object, Public	

ATTRIBUTES	
 TrainID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Train (OP) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]


Train (Plan)



Object owned by 'Train (Overview)', in package 'Business Objects'




Train (Plan)
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 10.06.2013. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS	
 Aggregation from Train (OP) to Train (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination	
From: Train (Plan) : Object, Public	
To: Train : Object, Public	

ATTRIBUTES	
 TrainID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]


ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]
 Association (direction: Destination -> Source)	
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) PathRequest Cardinality: [*]

ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) Path (Plan) Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) CaseReference Cardinality: [1]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) Dossier Cardinality: [1]</p>

4.9 ChangeofTrain Activity

State in package 'Lifecycles'

4.9 ChangeofTrain Activity
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p> Transition from 4.9 ChangeofTrain Activity to Train data modified (updated)</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p> Transition from In operation to 4.9 ChangeofTrain Activity</p>

Accepted

State in package 'Lifecycles'

Accepted
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013


OUTGOING BEHAVIORAL RELATIONSHIPS
<p> Transition from Accepted to Request data records stored or archived</p>


INCOMING BEHAVIORAL RELATIONSHIPS

➡ Transition from In acceptance (observations) to Accepted

➡ Transition from Finally offered to Accepted

CONNECTORS

 **Dependency** Source -> Destination
 From: Accepted : State, Public
 To: PathDetails Message Status booked : Trigger, Public

 **Dependency** Source -> Destination
 From: Path Confirmed Message : Trigger, Public
 To: Accepted : State, Public

Adapted

State in package 'Lifecycles'

Adapted
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⬅ Transition from Adapted to Refused by RU


⬅ Transition from Adapted to Accepted

INCOMING BEHAVIORAL RELATIONSHIPS

➡ Transition from Refused by RU to Adapted

➡ Transition from Offered to Adapted

CONNECTORS

 **Dependency** Source -> Destination
 From: PathDetails Message : Trigger, Public
 To: Adapted : State, Public

Canceled

State in package 'Lifecycles'

Canceled
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ Transition from Canceled to Train data archived for canceled train</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Transition from Planned to Canceled</p>
<p>⇒ Transition from In harmonization to Canceled</p>
<p>⇒ Transition from Harmonized to Canceled</p>
<p>⇒ Transition from In planning by IM to Canceled</p>
<p>⇒ Transition from Initiated to Canceled</p>

Canceled

State in package 'Lifecycles'

Canceled
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ Transition from Canceled to Train data archived for canceled train</p>
<p>⇐ Transition from Canceled to Archive the object</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Transition from In operation to Canceled</p>
<p>⇒ Transition from Ready for operation to Canceled</p>


INCOMING BEHAVIORAL RELATIONSHIPS


⇨ Transition from Booked to Canceled

⇨ Transition from Ready for operation to Canceled

⇨ Transition from In operation to Canceled

CONNECTORS

 **Dependency** Source -> Destination
From: UpdateLink Message : Trigger, Public
To: Canceled : State, Public

 **Dependency** Source -> Destination
From: PathCancellation Message : Trigger, Public
To: Canceled : State, Public

Canceled

State in package 'Lifecycles'

Canceled
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 28.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇨ Transition from Canceled to Case Reference data record stored / archived

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Transition from Initiated to Canceled
Guard: Object owner decided to close the case

⇨ Transition from Updated to Canceled
Guard: Object owner decided to close the case

Commercially treated

State in package 'Lifecycles'

Commercially treated
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Transition from Commercially treated to Business Case stored / archived

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Updated to Commercially treated

Created

State in package 'Lifecycles'

Created
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from Created to Create ID with Object Type PR

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Enter Path Request process to Created

Delayed

State in package 'Lifecycles'

Delayed
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.06.2013. Last modified 18.06.2013


OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Transition from Delayed to In operation


INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from In operation to Delayed

CONNECTORS

 **Dependency** Source -> Destination
From: TrainRunning Information Message : Trigger, Public
To: Delayed : State, Public

CONNECTORS

 **Dependency** Source -> Destination
 From: TrainDelay CauseMessage : Trigger, Public
 To: Delayed : State, Public

Draft offer adapted

State in package 'Lifecycles'

Draft offer adapted
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013


Drafted

State in package 'Lifecycles'


Drafted
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS


 Transition from Drafted to Rejected by RU
 Guard: Path Details Refused (by RU)

 Transition from Drafted to In acceptance (observations)

INCOMING BEHAVIORAL RELATIONSHIPS

 Transition from Elaborated by IMs to Drafted

CONNECTORS

 **Dependency** Source -> Destination
 From: PathDetails Message : Trigger, Public
 To: Drafted : State, Public

Elaborated by IMs

State in package 'Lifecycles'

Elaborated by IMs
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>↔ Transition from Elaborated by IMs to Milestone: Draft offer issued</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>↔ Transition from Lifecycle of Path to Elaborated by IMs</p>

Elaborated by IMs

State in package 'Lifecycles'

Elaborated by IMs
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 13.11.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>↔ Transition from Elaborated by IMs to Withdrawn Guard: RU resigns the request</p>
<p>↔ Transition from Elaborated by IMs to Drafted</p>
<p>↔ Transition from Elaborated by IMs to Refused by IM Guard: IM resigns the offer</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>↔ Transition from Issued (requested) to Elaborated by IMs</p>

Elaborated by RUs

State in package 'Lifecycles'

Elaborated by RUs
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 13.11.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>↔ Transition from Elaborated by RUs to Harmonized Guard: PCS Used</p>
<p>↔ Transition from Elaborated by RUs to Issued (requested)</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Object Flow from PathRequest to Elaborated by RUs</p>
<p>⇒ Transition from Refused by IM to Elaborated by RUs Guard: RU adapts the request and resends</p>

Finally offered

State in package 'Lifecycles'

Finally offered
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ Transition from Finally offered to Accepted</p>
<p>⇐ Transition from Finally offered to Rejected by RU Guard: offer not suitable to RU</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Transition from In acceptance (observations) to Finally offered Guard: IM changed the drafted offer</p>

CONNECTORS
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Finally offered : State, Public</p>

Harmonized

State in package 'Lifecycles'

Harmonized
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ Transition from Harmonized to Issued (requested)</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡ Transition from Elaborated by RUs to Harmonized Guard: PCS Used</p>

CONNECTORS
<p>➡ Dependency Source -> Destination From: PathCoordination Message : Trigger, Public To: Harmonized : State, Public</p>

Harmonized by RUs

State in package 'Lifecycles'

Harmonized by RUs
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⬅ Transition from Harmonized by RUs to Lifecycle of Train</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡ Object Flow from Dossier to Harmonized by RUs</p>

In acceptance (observations)

State in package 'Lifecycles'

In acceptance (observations)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⬅ Transition from In acceptance (observations) to Finally offered Guard: IM changed the drafted offer</p>
<p>⬅ Transition from In acceptance (observations) to Accepted</p>
<p>⬅ Transition from In acceptance (observations) to Rejected by RU</p>

INCOMING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Transition from Drafted to In acceptance (observations)

In acceptance (observations)

State in package 'Lifecycles'

In acceptance (observations)
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇨ Transition from In acceptance (observations) to In post-processing

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Transition from Milestone: Draft offer issued to In acceptance (observations)

In Active Timetable

State in package 'Lifecycles'

In Active Timetable
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇨ Transition from In Active Timetable to Dossier closed

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Transition from In final offer to In Active Timetable

In final offer

State in package 'Lifecycles'

In final offer
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇨ Transition from In final offer to In Active Timetable

INCOMING BEHAVIORAL RELATIONSHIPS

➡ Transition from In post-processing to In final offer

In operation

State in package 'Lifecycles'

In operation
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⬅ Transition from In operation to Operated

⬅ Transition from In operation to 4.9 ChangeofTrain Activity

⬅ Transition from In operation to Canceled

⬅ Transition from In operation to Delayed

⬅ Transition from In operation to Interrupted


INCOMING BEHAVIORAL RELATIONSHIPS


➡ Transition from Interrupted to In operation

➡ Transition from Ready for operation to In operation


➡ Transition from Delayed to In operation

CONNECTORS

 **Dependency** Source -> Destination
From: TrainRunning Information Message : Trigger, Public
To: In operation : State, Public

 **Dependency** Source -> Destination
From: TrainDelay CauseMessage : Trigger, Public
To: In operation : State, Public

CONNECTORS


 **Dependency** Source -> Destination
 From: Train Running Forecast Message : Trigger, Public
 To: In operation : State, Public


In operation

State in package 'Lifecycles'


In operation
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

 Transition from In operation to Operated

 Transition from In operation to Canceled

INCOMING BEHAVIORAL RELATIONSHIPS


 Transition from Ready for operation to In operation

In post-processing


State in package 'Lifecycles'

In post-processing
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

 Transition from In post-processing to In final offer

INCOMING BEHAVIORAL RELATIONSHIPS

 Transition from In acceptance (observations) to In post-processing

Initiated

State in package 'Lifecycles'

Initiated
 Version 1.0 Phase 1.0 Proposed

seid.magljajlic created on 12.06.2013. Last modified 12.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from Initiated to Create "planned" object instance

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from EntryPoint: Conference, Customer Meeting etc. to Initiated

Initiated

State in package 'Lifecycles'

Initiated

Version 1.0 Phase 1.0 Proposed

seid.magljajlic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Transition from Initiated to Lifecycle of CaseReference
Guard: one or more Case References created

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from Business Case to Initiated

Interrupted

State in package 'Lifecycles'

Interrupted

Version 1.0 Phase 1.0 Proposed

seid.magljajlic created on 18.06.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS


⇐ Transition from Interrupted to ExitPoint: Path not available
Guard: Path not available

⇐ Transition from Interrupted to In operation

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from In operation to Interrupted

CONNECTORS


 **Dependency** Source -> Destination
 From: TrainRunning InterruptedMessage : Trigger, Public
 To: Interrupted : State, Public


Intiated


State in package 'Lifecycles'


Intiated
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013


OUTGOING BEHAVIORAL RELATIONSHIPS


 Transition from Intiated to Linked to BusinessCase object

 Transition from Intiated to Linked to PathRequest object
 Guard: Reference to PathRequest needed


 Transition from Intiated to Linked to Path object
 Guard: Reference to Path needed

 Transition from Intiated to Canceled
 Guard: Object owner decided to close the case

 Transition from Intiated to Linked to Train object
 Guard: Reference to Train needed

 Transition from Intiated to Linked to Dossier object
 Guard: Reference to Dossier needed

INCOMING BEHAVIORAL RELATIONSHIPS

 Object Flow from CaseReference to Intiated

Issued (requested)

State in package 'Lifecycles'

Issued (requested)
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

↔ Transition from Issued (requested) to Refused by IM
Guard: Answer Not Possible

↔ Transition from Issued (requested) to Withdrawn
Guard: RU resigns the request


↔ Transition from Issued (requested) to Elaborated by IMs

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Harmonized to Issued (requested)

⇒ Transition from Elaborated by RUs to Issued (requested)

CONNECTORS

 **Dependency** Source -> Destination
From: PathRequest Message : Trigger, Public
To: Issued (requested) : State, Public

Lifecycle of CaseReference

State in package 'Lifecycles'

Lifecycle of CaseReference
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

↔ Transition from Lifecycle of CaseReference to Updated
Guard: Notification about the updates

↔ Transition from Lifecycle of CaseReference to Lifecycle of Train

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Initiated to Lifecycle of CaseReference
Guard: one or more Case References created

⇒ Transition from update object states (status) to Lifecycle of CaseReference

Lifecycle of Dossier

State in package 'Lifecycles'

Lifecycle of Dossier
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>↔ Transition from Lifecycle of Dossier to Lifecycle of PathRequest</p>
<p>↔ Transition from Lifecycle of Dossier to update object states (status)</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>↔ Transition from Lifecycle of Train to Lifecycle of Dossier Guard: PCS used</p>

Lifecycle of Path

State in package 'Lifecycles'

Lifecycle of Path
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>↔ Transition from Lifecycle of Path to update object states (status)</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>↔ Transition from Lifecycle of PathRequest to Lifecycle of Path</p>

Lifecycle of Path

State in package 'Lifecycles'

Lifecycle of Path
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>↔ Information Flow from Lifecycle of Path to Link the Train object to Path object by IM</p>

OUTGOING BEHAVIORAL RELATIONSHIPS**INCOMING BEHAVIORAL RELATIONSHIPS**

⇒ ControlFlow from Link the Train object to Path object by IM to Lifecycle of Path

Lifecycle of Path

State in package 'Lifecycles'

Lifecycle of Path
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Transition from Lifecycle of Path to Elaborated by IMs

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Lifecycle of PathRequest to Lifecycle of Path

Lifecycle of PathRequest

State in package 'Lifecycles'

Lifecycle of PathRequest
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Transition from Lifecycle of PathRequest to Lifecycle of Path

⇐ Transition from Lifecycle of PathRequest to update object states (status)

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Lifecycle of Train to Lifecycle of PathRequest
Guard: No PCS used

⇒ Transition from Lifecycle of Dossier to Lifecycle of PathRequest

Lifecycle of PathRequest

State in package 'Lifecycles'

Lifecycle of PathRequest
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

↔ Transition from Lifecycle of PathRequest to Lifecycle of Path

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Milestone: Path Request issued to Lifecycle of PathRequest

Lifecycle of Train

State in package 'Lifecycles'

Lifecycle of Train
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

↔ Transition from Lifecycle of Train to Lifecycle of Dossier
Guard: PCS used

↔ Transition from Lifecycle of Train to Lifecycle of PathRequest
Guard: No PCS used

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Lifecycle of CaseReference to Lifecycle of Train

Lifecycle of Train

State in package 'Lifecycles'

Lifecycle of Train
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

↔ Transition from Lifecycle of Train to Milestone: Path Request issued

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Transition from Harmonized by RUs to Lifecycle of Train

Linked to BusinessCase object

State in package 'Lifecycles'

Linked to BusinessCase object
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇨ Transition from Linked to BusinessCase object to Synchronization of states

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Transition from Initiated to Linked to BusinessCase object

Linked to Dossier object

State in package 'Lifecycles'

Linked to Dossier object
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇨ Transition from Linked to Dossier object to Synchronization of states

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Transition from Initiated to Linked to Dossier object
 Guard: Reference to Dossier needed

Linked to Path object

State in package 'Lifecycles'

Linked to Path object
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

OUTGOING BEHAVIORAL RELATIONSHIPS

↔ Transition from Linked to Path object to Synchronization of states

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Initiated to Linked to Path object
Guard: Reference to Path needed

Linked to PathRequest object

State in package 'Lifecycles'

Linked to PathRequest object
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

↔ Transition from Linked to PathRequest object to Synchronization of states

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Initiated to Linked to PathRequest object
Guard: Reference to PathRequest needed

Linked to Train object

State in package 'Lifecycles'

Linked to Train object
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

↔ Transition from Linked to Train object to Synchronization of states

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Initiated to Linked to Train object
Guard: Reference to Train needed

Open

State in package 'Lifecycles'

Open
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from Open to Create business object

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from EntryPoint: Use PCS to Open

Operated

State in package 'Lifecycles'

Operated
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 12.06.2013. Last modified 12.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Transition from Operated to ExitPoint: Archive the Train object record

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from Train (OP) to Operated

Planned

State in package 'Lifecycles'

Planned
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 12.06.2013. Last modified 12.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from Planned to Create "operational" object instance

⇐ Transition from Planned to Replanned

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from Train (Plan) to Planned

Pre-constructed

State in package 'Lifecycles'

Pre-constructed
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.06.2013. Last modified 18.06.2013



OUTGOING BEHAVIORAL RELATIONSHIPS
 Transition from Pre-constructed to Requested

INCOMING BEHAVIORAL RELATIONSHIPS
 Object Flow from Path (Plan) to Pre-constructed Guard: Pre-constructed product

Ready for operation

State in package 'Lifecycles'

Ready for operation
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 12.06.2013. Last modified 12.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Transition from Ready for operation to Canceled
 Transition from Ready for operation to In operation

INCOMING BEHAVIORAL RELATIONSHIPS
 Object Flow from Train (OP) to Ready for operation

CONNECTORS
 Dependency Source -> Destination From: TrainReady Message : Trigger, Public To: Ready for operation : State, Public

Refused by IM

State in package 'Lifecycles'

Refused by IM

Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

- ↔ Transition from Refused by IM to Elaborated by RUs
 Guard: RU adapts the request and resends

INCOMING BEHAVIORAL RELATIONSHIPS

- ⇒ Transition from Issued (requested) to Refused by IM
 Guard: Answer Not Possible
- ⇒ Transition from Elaborated by IMs to Refused by IM
 Guard: IM resigns the offer

CONNECTORS

- ↗ **Dependency** Source -> Destination
 From: Error Message : Trigger, Public
 To: Refused by IM : State, Public

Rejected by RU

State in package 'Lifecycles'

Rejected by RU
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013


OUTGOING BEHAVIORAL RELATIONSHIPS

- ↔ Transition from Rejected by RU to Request data records stored or archived

INCOMING BEHAVIORAL RELATIONSHIPS

- ⇒ Transition from Drafted to Rejected by RU
 Guard: Path Details Refused (by RU)
- ⇒ Transition from In acceptance (observations) to Rejected by RU
- ⇒ Transition from Finally offered to Rejected by RU
 Guard: offer not suitable to RU

CONNECTORS


 **Dependency** Source -> Destination
 From: Path Details Refused Message : Trigger, Public
 To: Rejected by RU : State, Public


Replanned

State in package 'Lifecycles'


Replanned
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 12.06.2013. Last modified 12.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

 ControlFlow from Replanned to Create "planned" object instance
 Guard: before switch from planning to operation

 ControlFlow from Replanned to Create "operational" object instance
 Guard: after switch from planning to operation

INCOMING BEHAVIORAL RELATIONSHIPS

 Object Flow from Train (OP) to Replanned

 Transition from Planned to Replanned

State1

State in package 'Lifecycles'

State1
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

Updated

State in package 'Lifecycles'

Updated
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

 Transition from Updated to Commercially treated

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Lifecycle of CaseReference to Updated
 Guard: Notification about the updates

Updated

State in package 'Lifecycles'

Updated
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS


⇐ Transition from Updated to Case Reference data record stored / archived

⇐ Transition from Updated to Canceled
 Guard: Object owner decided to close the case

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Synchronization of states to Updated

CONNECTORS

 **Dependency** Source -> Destination
 From: Updated : State, Public
 To: CaseReference : Object, Public

Withdrawn

State in package 'Lifecycles'


Withdrawn
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Issued (requested) to Withdrawn
 Guard: RU resigns the request

⇒ Transition from Elaborated by IMs to Withdrawn
 Guard: RU resigns the request

CONNECTORS


 **Dependency** Source -> Destination
 From: PathRequest Message Status Deletion : Trigger, Public
 To: Withdrawn : State, Public

Accepted


State in package 'Lifecycles'

Accepted
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.02.2013. Last modified 18.02.2013

OUTGOING BEHAVIORAL RELATIONSHIPS


 Transition from Accepted to Booked

INCOMING BEHAVIORAL RELATIONSHIPS

 Transition from Offered to Accepted

 Transition from Adapted to Accepted

CONNECTORS

 **Dependency** Source -> Destination
 From: Path Confirmed Message : Trigger, Public
 To: Accepted : State, Public


Booked

State in package 'Lifecycles'

Booked
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.02.2013. Last modified 18.02.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

 Transition from Booked to Canceled

Name: Archive PLANNED object
 Transition from Booked to Archive the object
 Guard: No more operational days in path calendar

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from Booked to Produce the operational object
Guard: For each operating day in calendar

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Accepted to Booked

CONNECTORS

↗ **Dependency** Path Alteration Process Source -> Destination
From: Booked : State, Public
To: PathNotAvailable Message : Trigger, Public

↗ **Dependency** Source -> Destination
From: PathDetails Message Status booked : Trigger, Public
To: Booked : State, Public

↗ **Dependency** Source -> Destination
From: ReceiptConfirmation Message : Trigger, Public
To: Booked : State, Public

Initiated

State in package 'Lifecycles'

Initiated
Version 1.0 Phase 1.0 Proposed
seid.magljajlic created on 11.02.2013. Last modified 12.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from Initiated to Link the Train object to the Business Case object

⇐ Transition from Initiated to Canceled

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from Train (Plan) to Initiated


Elaborated

State in package 'Lifecycles'

Elaborated
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 18.02.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>↔ Transition from Elaborated to EntryPoint: Path Alteration Process Guard: Path Alteration</p>
<p>↔ Transition from Elaborated to Offered</p> <p>Triggers: PathDetails Message Signal</p>
<p>↔ Transition from Elaborated to Refused by IM</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Transition from Replanned to Elaborated</p>
<p>⇒ Transition from Requested to Elaborated</p>

CONNECTORS
<p> Dependency Source -> Destination</p> <p>From: PathCoordination Message : Trigger, Public</p> <p>To: Elaborated : State, Public</p>

Harmonized

State in package 'Lifecycles'


Harmonized
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 11.02.2013. Last modified 11.02.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>↔ ControlFlow from Harmonized to Link the Train object to Path Request object</p>
<p>↔ Transition from Harmonized to Canceled</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Transition from In harmonization to Harmonized</p>

INCOMING BEHAVIORAL RELATIONSHIPS

CONNECTORS




 **Dependency** Source -> Destination
 From: PathCoordination Message : Trigger, Public
 To: Harmonized : State, Public

In harmonization




State in package 'Lifecycles'

In harmonization
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 11.02.2013. Last modified 12.06.2013


OUTGOING BEHAVIORAL RELATIONSHIPS

-  Transition from In harmonization to Harmonized
-  Transition from In harmonization to Canceled
-  Transition from In harmonization to Train data modified (updated)

INCOMING BEHAVIORAL RELATIONSHIPS

-  ControlFlow from Link the Train object to the Business Case object to In harmonization
 Guard: harmonization needed
-  Transition from Train data modified (updated) to In harmonization
-  ControlFlow from Link the Train object to the Dossier object to In harmonization

CONNECTORS

 **Dependency** Source -> Destination
 From: PathCoordination Message : Trigger, Public
 To: In harmonization : State, Public

Offered

State in package 'Lifecycles'

Offered

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>↔ Transition from Offered to Accepted</p>
<p>↔ Transition from Offered to Refused by RU</p> <p>Triggers: Path Details Refused Message Signal</p>
<p>↔ Transition from Offered to Adapted</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Transition from EntryPoint: Path Alteration Process to Offered</p>
<p>⇒ Transition from Elaborated to Offered</p> <p>Triggers: PathDetails Message Signal</p>

CONNECTORS
<p> Dependency Source -> Destination</p> <p>From: PathDetails Message : Trigger, Public</p> <p>To: Offered : State, Public</p>

Operated

State in package 'Lifecycles'


OUTGOING BEHAVIORAL RELATIONSHIPS
<p>↔ Transition from Operated to Archive the object</p> <p>Guard: No more operational days in path calendar</p>


INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Transition from In operation to Operated</p>


Path for the Train accepted

State in package 'Lifecycles'

Path for the Train accepted
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 11.02.2013. Last modified 11.02.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Transition from Path for the Train accepted to Train data adapted to the offered Path


INCOMING BEHAVIORAL RELATIONSHIPS
 Transition from Path for the Train offered to Path for the Train accepted


CONNECTORS
 Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Path for the Train accepted : State, Public

Path for the Train offered

State in package 'Lifecycles'

Path for the Train offered
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 11.02.2013. Last modified 11.02.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Transition from Path for the Train offered to Path for the Train accepted

CONNECTORS
 Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Path for the Train offered : State, Public




In planning by IM

State in package 'Lifecycles'

In planning by IM
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 11.02.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>↔ Transition from In planning by IM to Canceled</p>
<p>↔ Transition from In planning by IM to Planned</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Link the Train object to Path Request object to In planning by IM</p>

CONNECTORS
<p> Dependency Source -> Destination From: In planning by IM : State, Public To: Link the Train object to Path object by IM : Action, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: In planning by IM : State, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: In planning by IM : State, Public</p>

Ready for operation


State in package 'Lifecycles'

Ready for operation
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.02.2013. Last modified 18.02.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>↔ Transition from Ready for operation to Canceled</p>
<p>↔ Transition from Ready for operation to In operation</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Object Flow from Path (OP) to Ready for operation</p>

CONNECTORS



 **Dependency** Source -> Destination
 From: PathSectionNotification Message (InfoType=UtilizationNotification) : Trigger, Public
 To: Ready for operation : State, Public

Refused by IM


State in package 'Lifecycles'

Refused by IM
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.02.2013. Last modified 18.02.2013


OUTGOING BEHAVIORAL RELATIONSHIPS

-  Transition from Refused by IM to Requested
 Guard: Path request is re-sent by the RU
-  Transition from Refused by IM to Exit: Answer Not Possible

INCOMING BEHAVIORAL RELATIONSHIPS

-  Transition from Elaborated to Refused by IM

CONNECTORS



 **Dependency** AnswerNotPossible Source -> Destination
 From: Error Message : Trigger, Public
 To: Refused by IM : State, Public

Refused by RU


State in package 'Lifecycles'

Refused by RU
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.02.2013. Last modified 18.02.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

-  Transition from Refused by RU to Adapted
-  Transition from Refused by RU to Archive the object

INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡ Transition from Adapted to Refused by RU</p>
<p>➡ Transition from Offered to Refused by RU</p> <p>Triggers: Path Details Refused Message Signal</p>

CONNECTORS
<p> Dependency Source -> Destination</p> <p>From: Path Details Refused Message : Trigger, Public</p> <p>To: Refused by RU : State, Public</p>



Replanned

State in package 'Lifecycles'

Replanned
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 18.02.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⬅ Transition from Replanned to Elaborated</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡ Object Flow from Path (Plan) to Replanned Guard: Path Alteration OR Path Modification</p>
<p>➡ Object Flow from Path (OP) to Replanned Guard: Path Alteration OR Path Modification</p>

CONNECTORS
<p> Dependency Source -> Destination</p> <p>From: PathCoordination Message : Trigger, Public</p> <p>To: Replanned : State, Public</p>
<p> Dependency Source -> Destination</p> <p>From: PathSection Notification Message : Trigger, Public</p> <p>To: Replanned : State, Public</p>

Requested

State in package 'Lifecycles'

Requested
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 18.02.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>← Transition from Requested to Elaborated</p>


INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Transition from Refused by IM to Requested Guard: Path request is re-sent by the RU</p>
<p>⇒ Object Flow from Path (Plan) to Requested Guard: Path Request</p>
<p>⇒ Transition from Pre-constructed to Requested</p>

Train data adapted to the offered Path

State in package 'Lifecycles'

Train data adapted to the offered Path
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 11.02.2013. Last modified 11.02.2013

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Transition from Path for the Train accepted to Train data adapted to the offered Path</p>

CONNECTORS
<p> Dependency Source -> Destination From: PathDetails Message Status booked : Trigger, Public To: Train data adapted to the offered Path : State, Public</p>

Train data modified (updated)

State in package 'Lifecycles'

Train data modified (updated)
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 11.02.2013. Last modified 11.02.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐:: ControlFlow from Train data modified (updated) to Create TrainID with the same Core and different Variant Guard: origin, destination, border or calendar changed</p>
<p>⇐:: Transition from Train data modified (updated) to In harmonization</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒:: Transition from 4.9 ChangeofTrain Activity to Train data modified (updated)</p>
<p>⇒:: Transition from In harmonization to Train data modified (updated)</p>

Operated

State in package 'Lifecycles'

Operated
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 11.02.2013. Last modified 12.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐:: Transition from Operated to Train data archived Guard: No more operational days in train calendar</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒:: Transition from In operation to Operated</p>




Planned

State in package 'Lifecycles'

Planned
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 11.02.2013. Last modified 12.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐:: Transition from Planned to Canceled</p>
<p>⇐:: ControlFlow from Planned to Create new "operational" object instance Guard: for each day in calendar</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡ Transition from In planning by IM to Planned</p>

CONNECTORS
<p> Dependency Source -> Destination From: Planned : State, Public To: Path Confirmed Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: PathSectionNotification Message (InfoType=UtilizationNotification) : Trigger, Public To: Planned : State, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message Status booked : Trigger, Public To: Planned : State, Public</p>

Updated

State in package 'Lifecycles'

Updated
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 11.02.2013. Last modified 11.02.2013

Create "operational" object instance

Activity in package 'Lifecycles'

Create "operational" object instance
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 12.06.2013. Last modified 12.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ Object Flow from Create "operational" object instance to Train (OP)</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡ ControlFlow from Planned to Create "operational" object instance</p>
<p>➡ ControlFlow from Replanned to Create "operational" object instance Guard: after switch from planning to operation</p>

Create "planned" object instance

Activity in package 'Lifecycles'

Create "planned" object instance
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Object Flow from Create "planned" object instance to CaseReference

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Create ID with Object Type CR to Create "planned" object instance

Create "planned" object instance

Activity in package 'Lifecycles'

Create "planned" object instance
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 12.06.2013. Last modified 12.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Object Flow from Create "planned" object instance to Train (Plan)

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Initiated to Create "planned" object instance

⇒ ControlFlow from Replanned to Create "planned" object instance
Guard: before switch from planning to operation

Create "planned" object instance

Activity in package 'Lifecycles'

Create "planned" object instance
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Object Flow from Create "planned" object instance to Business Case

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Create ID with Object Type BC (new) to Create "planned" object instance

Create "planning" object instance

Activity in package 'Lifecycles'

Create "planning" object instance
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Object Flow from Create "planning" object instance to PathRequest

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Create ID with Object Type PR to Create "planning" object instance

Create business object

Activity in package 'Lifecycles'

Create business object
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Object Flow from Create business object to Dossier

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Open to Create business object

Create ID with Object Type BC (new)

Activity in package 'Lifecycles'

Create ID with Object Type BC (new)
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from Create ID with Object Type BC (new) to Create "planned" object instance

OUTGOING BEHAVIORAL RELATIONSHIPS**INCOMING BEHAVIORAL RELATIONSHIPS**

⇒ ControlFlow from Business partners negotiation to Create ID with Object Type BC (new)

Create ID with Object Type CR

Activity in package 'Lifecycles'

Create ID with Object Type CR
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from Create ID with Object Type CR to Create "planned" object instance

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from EntryPoint: Reference to a business object found to Create ID with Object Type CR

Create ID with Object Type CR

Activity in package 'Lifecycles'

Create ID with Object Type CR
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.06.2013. Last modified 19.06.2013

Create ID with Object Type PR

Activity in package 'Lifecycles'

Create ID with Object Type PR
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.06.2013. Last modified 19.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from Create ID with Object Type PR to Create "planning" object instance

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Created to Create ID with Object Type PR

Create new "operational" object instance

Activity in package 'Lifecycles'

Create new "operational" object instance
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 12.06.2013. Last modified 12.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

↔ Object Flow from Create new "operational" object instance to Path (OP)

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Create PathID with the same Core and different Variant to Create new "operational" object instance
Guard: after switch from planning to operation

Create new "planned" object instance

Activity in package 'Lifecycles'

Create new "planned" object instance
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 12.06.2013. Last modified 12.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

↔ Object Flow from Create new "planned" object instance to Path (Plan)

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Create new Identifier PathID to Create new "planned" object instance

Create new "planned" object instance

Activity in package 'Lifecycles'

Create new "planned" object instance
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 12.06.2013. Last modified 12.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

↔ Object Flow from Create new "planned" object instance to Path (Plan)

INCOMING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Create PathID with the same Core and different Variant to Create new "planned" object instance
 Guard: before switch from planning to operation

Create new "planned" object instance

Activity in package 'Lifecycles'

Create new "planned" object instance
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 12.06.2013. Last modified 12.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Object Flow from Create new "planned" object instance to Train (Plan)

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Create new identifier TrainId to Create new "planned" object instance

⇒ ControlFlow from Create TrainID with the same Core and different Variant to Create new "planned" object instance
 Guard: if change of train in planning

Link to Dossier object

Activity in package 'Lifecycles'

Link to Dossier object
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

Link to Path object

Activity in package 'Lifecycles'

Link to Path object
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

Link to Path Request object

Activity in package 'Lifecycles'

Link to Path Request object
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

Link to Train object

Activity in package 'Lifecycles'

Link to Train object
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.06.2013. Last modified 19.06.2013

IM

Event in package 'Lifecycles'

IM
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 09.04.2013. Last modified 09.04.2013

RU

Event in package 'Lifecycles'

RU
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.02.2013. Last modified 08.02.2013

RU

Event in package 'Lifecycles'

RU
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 09.04.2013. Last modified 09.04.2013

CONNECTORS			
	Dependency	PathID	Source -> Destination
From:	Error Message	: Trigger, Public	
To:	RU	: Event, Public	


RU

Event in package 'Lifecycles'

RU
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 09.04.2013. Last modified 09.04.2013

CONNECTORS			
	Dependency	TrainID	Source -> Destination
From:	PathDetails Message	: Trigger, Public	
To:	RU	: Event, Public	


CONNECTORS

 **Dependency** PathID Source -> Destination
 From: PathDetails Message : Trigger, Public
 To: RU : Event, Public


Business partners negotiation

EntryPoint in package 'Lifecycles'

OUTGOING BEHAVIORAL RELATIONSHIPS

 ControlFlow from Business partners negotiation to Create ID with Object Type BC (new)

INCOMING BEHAVIORAL RELATIONSHIPS

 Transition from Start to Business partners negotiation


Enter Path Request process

EntryPoint in package 'Lifecycles'

OUTGOING BEHAVIORAL RELATIONSHIPS

 Transition from Enter Path Request process to Created

INCOMING BEHAVIORAL RELATIONSHIPS

 Transition from Start to Enter Path Request process


EntryPoint: Conference, Customer Meeting etc.

EntryPoint in package 'Lifecycles'

OUTGOING BEHAVIORAL RELATIONSHIPS

 Transition from EntryPoint: Conference, Customer Meeting etc. to Initiated

INCOMING BEHAVIORAL RELATIONSHIPS

 Transition from Start to EntryPoint: Conference, Customer Meeting etc.

EntryPoint: Reference to a business object found

EntryPoint in package 'Lifecycles'

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from EntryPoint: Reference to a business object found to Create ID with Object Type CR

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Start: find a reference to a business object to EntryPoint: Reference to a business object found

EntryPoint: Use PCS

EntryPoint in package 'Lifecycles'

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Transition from EntryPoint: Use PCS to Open

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Start to EntryPoint: Use PCS

ExitPoint: Archive the Train object record

ExitPoint in package 'Lifecycles'

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Operated to ExitPoint: Archive the Train object record

Pre-Constructed Product creation

EntryPoint in package 'Lifecycles'

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from Pre-Constructed Product creation to Create new Identifier PathID

INCOMING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Start to Pre-Constructed Product creation

Train data archived for canceled train

ExitPoint in package 'Lifecycles'

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Canceled to Train data archived for canceled train

Train data archived for canceled train

ExitPoint in package 'Lifecycles'

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Canceled to Train data archived for canceled train

Create Object

EntryPoint in package 'Lifecycles'

OUTGOING BEHAVIORAL RELATIONSHIPS

Name: The message contains TrainID AND PathID

⇐ ControlFlow from Create Object to Create PathID with the same Core and different Variant
Guard: Path Modification

Name: The message contains TrainID

⇐ ControlFlow from Create Object to Create new Identifier PathID
Guard: Path Request

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Start to Create Object
Guard: Path Request or Path Modification

Triggers:
PathRequest Message Signal

Create object


*EntryPoint in package 'Lifecycles'***OUTGOING BEHAVIORAL RELATIONSHIPS**

⇐ ControlFlow from Create object to Create new identifier TrainId

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Start to Create object


CONNECTORS

 **Dependency** Source -> Destination
 From: PathCoordination Message : Trigger, Public
 To: Create object : EntryPoint, Public

EntryPoint: Path Alteration Process*EntryPoint in package 'Lifecycles'***OUTGOING BEHAVIORAL RELATIONSHIPS**

⇐ ControlFlow from EntryPoint: Path Alteration Process to Create PathID with the same Core and different Variant
 Guard: Alternative available

CONNECTORS

 **Dependency** Source -> Destination
 From: PathNotAvailable Message : Trigger, Public
 To: EntryPoint: Path Alteration Process : EntryPoint, Public

EntryPoint: Path Alteration Process*EntryPoint in package 'Lifecycles'***OUTGOING BEHAVIORAL RELATIONSHIPS**

⇐ Transition from EntryPoint: Path Alteration Process to Offered

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Elaborated to EntryPoint: Path Alteration Process
 Guard: Path Alteration

Exit: Answer Not Possible

ExitPoint in package 'Lifecycles'

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ Transition from Refused by IM to Exit: Answer Not Possible

ExitPoint: Path not available

ExitPoint in package 'Lifecycles'

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ Transition from Interrupted to ExitPoint: Path not available Guard: Path not available

ExitPoint: Answer Not Possible

ExitPoint in package 'Lifecycles'

Archive the record

ActivityFinal in package 'Lifecycles'

Business Case stored / archived

Final State in package 'Lifecycles'

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ Transition from Commercially treated to Business Case stored / archived

Case Reference data record stored / archived

Final State in package 'Lifecycles'

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ Transition from Updated to Case Reference data record stored / archived
⇒ Transition from Canceled to Case Reference data record stored / archived

INCOMING BEHAVIORAL RELATIONSHIPS

Dossier closed

ActivityFinal in package 'Lifecycles'

Dossier closed

Final State in package 'Lifecycles'

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇨ Transition from In Active Timetable to Dossier closed</p>

Legend

Text in package 'Lifecycles'

Legend
Version 1.0 Phase 1.0 Proposed
seid.magljajlic created on 12.06.2013. Last modified 12.06.2013
Extends

Milestone: Draft offer issued

Junction in package 'Lifecycles'

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇨ Transition from Milestone: Draft offer issued to In acceptance (observations)</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇨ Transition from Elaborated by IMs to Milestone: Draft offer issued</p>

Milestone: Path Request issued

Junction in package 'Lifecycles'

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇨ Transition from Milestone: Path Request issued to Lifecycle of PathRequest</p>

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Transition from Lifecycle of Train to Milestone: Path Request issued

Request data records stored or archived

Final State in package 'Lifecycles'

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Transition from Rejected by RU to Request data records stored or archived

⇨ Transition from Accepted to Request data records stored or archived

Start

Initial State in package 'Lifecycles'

OUTGOING BEHAVIORAL RELATIONSHIPS

⇦ Transition from Start to EntryPoint: Use PCS

Start

Initial State in package 'Lifecycles'

OUTGOING BEHAVIORAL RELATIONSHIPS

⇦ Transition from Start to Enter Path Request process

Start

Initial State in package 'Lifecycles'

OUTGOING BEHAVIORAL RELATIONSHIPS

⇦ Transition from Start to Pre-Constructed Product creation

Start

Initial State in package 'Lifecycles'

OUTGOING BEHAVIORAL RELATIONSHIPS

↔ Transition from Start to Business partners negotiation

Start

Initial State in package 'Lifecycles'

OUTGOING BEHAVIORAL RELATIONSHIPS

↔ Transition from Start to EntryPoint: Conference, Customer Meeting etc.

Start: find a reference to a business object

Initial State in package 'Lifecycles'

OUTGOING BEHAVIORAL RELATIONSHIPS

↔ Transition from Start: find a reference to a business object to EntryPoint: Reference to a business object found

Archive operational object

Final State in package 'Lifecycles'

Archive the object

Final State in package 'Lifecycles'

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Canceled to Archive the object

Name: Archive PLANNED object

⇒ Transition from Booked to Archive the object
Guard: No more operational days in path calendar

⇒ Transition from Refused by RU to Archive the object

⇒ Transition from Operated to Archive the object
Guard: No more operational days in path calendar

Create PathID with the same Core and different Variant

Action in package 'Lifecycles'

Create PathID with the same Core and different Variant
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 08.02.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>↩ ControlFlow from Create PathID with the same Core and different Variant to Create new "operational" object instance Guard: after switch from planning to operation</p>
<p>↩ ControlFlow from Create PathID with the same Core and different Variant to Create new "planned" object instance Guard: before switch from planning to operation</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>Name: The message contains TrainID AND PathID</p> <p>➡ ControlFlow from Create Object to Create PathID with the same Core and different Variant Guard: Path Modification</p>
<p>➡ ControlFlow from EntryPoint: Path Alteration Process to Create PathID with the same Core and different Variant Guard: Alternative available</p>

Create TrainID with the same Core and different Variant

Action in package 'Lifecycles'

Create TrainID with the same Core and different Variant
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 11.02.2013. Last modified 11.02.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>↩ ControlFlow from Create TrainID with the same Core and different Variant to Create new "operational" object instance Guard: if change of train in operation</p>
<p>↩ ControlFlow from Create TrainID with the same Core and different Variant to Create new "planned" object instance Guard: if change of train in planning</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡ ControlFlow from Train data modified (updated) to Create TrainID with the same Core and different Variant Guard: origin, destination, border or calendar changed</p>

Create new Identifier PathID

Action in package 'Lifecycles'

Create new Identifier PathID
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 08.02.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from Create new Identifier PathID to Create new "planned" object instance

INCOMING BEHAVIORAL RELATIONSHIPS

ControlFlow from Pre-Constructed Product creation to Create new Identifier PathID

Name: The message contains TrainID

ControlFlow from Create Object to Create new Identifier PathID
Guard: Path Request

Create new identifier TrainId

Action in package 'Lifecycles'

Create new identifier TrainId
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 11.02.2013. Last modified 11.02.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from Create new identifier TrainId to Create new "planned" object instance

INCOMING BEHAVIORAL RELATIONSHIPS

ControlFlow from Create object to Create new identifier TrainId

Link the Train object to Path Request object

Action in package 'Lifecycles'

Link the Train object to Path Request object
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 11.02.2013. Last modified 11.02.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from Link the Train object to Path Request object to In planning by IM


OUTGOING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Harmonized to Link the Train object to Path Request object

⇒ ControlFlow from Link the Train object to the Business Case object to Link the Train object to Path Request object
Guard: No PCS used AND No harmonization needed

CONNECTORS

 **Dependency** Source -> Destination
From: Link the Train object to Path Request object : Action, Public
To: PathRequest Message : Trigger, Public

Link the Train object to Path object by IM

Action in package 'Lifecycles'

Link the Train object to Path object by IM
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 11.02.2013. Last modified 18.06.2013


OUTGOING BEHAVIORAL RELATIONSHIPS


⇐ ControlFlow from Link the Train object to Path object by IM to Lifecycle of Path

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from Lifecycle of Path to Link the Train object to Path object by IM

CONNECTORS


 **Dependency** Source -> Destination
From: Link the Train object to Path object by IM : Action, Public
To: PathDetails Message : Trigger, Public




 **Dependency** Source -> Destination
From: In planning by IM : State, Public
To: Link the Train object to Path object by IM : Action, Public


Link the Train object to the Business Case object

Action in package 'Lifecycles'

Link the Train object to the Business Case object
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 11.02.2013. Last modified 11.02.2013

STRUCTURAL PART OF Link the Train object to the Business Case object
 ActionPin1 : ActionPin

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Link the Train object to the Business Case object to In harmonization Guard: harmonization needed
 ControlFlow from Link the Train object to the Business Case object to Link the Train object to the Dossier object Guard: PCS used
 ControlFlow from Link the Train object to the Business Case object to Link the Train object to Path Request object Guard: No PCS used AND No harmonization needed

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Initiated to Link the Train object to the Business Case object


ActionPin1


ActionPin owned by 'Link the Train object to the Business Case object', in package 'Lifecycles'

Link the Train object to the Dossier object

Action in package 'Lifecycles'

Link the Train object to the Dossier object
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 11.02.2013. Last modified 11.02.2013

STRUCTURAL PART OF Link the Train object to the Dossier object
 ActionPin2 : ActionPin

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Link the Train object to the Dossier object to In harmonization

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Link the Train object to the Business Case object to Link the Train object to the Dossier object
 Guard: PCS used

ActionPin2

ActionPin owned by 'Link the Train object to the Dossier object', in package 'Lifecycles'

Create new "operational" object instance

Action in package 'Lifecycles'

Create new "operational" object instance
 Version 1.0 Phase 1.0 Proposed
 sfr created on 18.02.2013. Last modified 18.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Object Flow from Create new "operational" object instance to Train (OP)

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Create TrainID with the same Core and different Variant to Create new "operational" object instance
 Guard: if change of train in operation

⇒ ControlFlow from Planned to Create new "operational" object instance
 Guard: for each day in calendar

⇒ Information Flow from PathSectionNotification Message (InfoType=UtilizationNotification) to Create new "operational" object instance

Produce the operational object

Action in package 'Lifecycles'

Produce the operational object
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.02.2013. Last modified 08.02.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Object Flow from Produce the operational object to Path (OP)

INCOMING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Booked to Produce the operational object
 Guard: For each operating day in calendar

CONNECTORS

↗ **Dependency** Source -> Destination
 From: PathSectionNotification Message (InfoType=UtilizationNotification) : Trigger, Public
 To: Produce the operational object : Action, Public

Start

Initial State in package 'Lifecycles'

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Transition from Start to Create object

Start

Initial State in package 'Lifecycles'

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Transition from Start to Create Object
 Guard: Path Request or Path Modification

 Triggers:
 PathRequest Message Signal

CONNECTORS

↗ **Dependency** Source -> Destination
 From: PathRequest Message : Trigger, Public
 To: Start : Initial State, Public

Train data archived

Final State in package 'Lifecycles'

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Transition from Operated to Train data archived
 Guard: No more operational days in train calendar

Business Case

Object in package 'Business Objects'

Business Case
Version 1.0 Phase 1.0 Proposed
seid.magljajlic created on 08.11.2012. Last modified 18.02.2013

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Aggregation from CaseReference to Business Case	[Direction is 'Source -> Destination'.]
⇒ Aggregation from Dossier to Business Case	[Direction is 'Source -> Destination'.]







ATTRIBUTES	
◆ BusinessCaseID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]
◆ Calendar : Calendar Private	[Is static True. Containment is Not Specified.]
◆ CommercialParamters : Complex Private	[Is static True. Containment is Not Specified.]
◆ Timetable : Timetable Private	[Is static True. Containment is Not Specified.]

CaseReference

Object in package 'Business Objects'

CaseReference
Version 1.0 Phase 1.0 Proposed
seid.magljajlic created on 08.11.2012. Last modified 08.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
⇐ Aggregation from CaseReference to Business Case	[Direction is 'Source -> Destination'.]

CONNECTORS	
<p> Dependency Source -> Destination</p> <p>From: Updated : State, Public</p> <p>To: CaseReference : Object, Public</p>	
ATTRIBUTES	
<p> CaseReferenceID : CompositIdentifierPlannedType Private</p>	[Is static True. Containment is Not Specified.]
<p> Name : String Private</p>	[Is static True. Containment is Not Specified.]
<p> Period_From : Date Private</p>	[Is static True. Containment is Not Specified.]
<p> Period_To : Date Private</p>	[Is static True. Containment is Not Specified.]
ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) CaseReference</p> <p>Target: Public (Object) Dossier</p>	
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [*]</p> <p>Target: Public (Object) CaseReference Cardinality: [1]</p>	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p> <p>Target: Public (Object) CaseReference Cardinality: [1]</p>	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) CaseReference (Overview)</p> <p>Target: Public (Object) CaseReference</p>	
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) Path (Plan) Cardinality: [*]</p> <p>Target: Public (Object) CaseReference Cardinality: [1]</p>	

CaseReference (Overview)

Object in package 'Business Objects'

CaseReference (Overview)
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 14.06.2013. Last modified 14.06.2013

ATTRIBUTES	
 CaseReferenceID : Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Unspecified) Source: Public (Object) CaseReference (Overview)	Target: Public (Object) Path (Overview)
 Association (direction: Unspecified) Source: Public (Object) CaseReference (Overview)	Target: Public (Object) CaseReference
 Association (direction: Unspecified) Source: Public (Object) CaseReference (Overview)	Target: Public (Object) PathRequest (Overview)
 Association (direction: Unspecified) Source: Public (Object) CaseReference (Overview)	Target: Public (Object) Train (Overview)

Coach

Object in package 'Business Objects'

Coach
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 08.11.2012

ASSOCIATIONS	
 Association (direction: Unspecified) Source: Public (Object) ThroughCoach	Target: Public (Object) Coach

Dossier

Object in package 'Business Objects'

Dossier
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.02.2013. Last modified 18.02.2013

OUTGOING STRUCTURAL RELATIONSHIPS
<p>← Aggregation from Dossier to Business Case</p> <p style="text-align: right;">[Direction is 'Source -> Destination'.]</p>

ATTRIBUTES
<p>◆ DossierID : CompositIdentifierPlannedType Private</p> <p style="text-align: right;">[Is static True. Containment is Not Specified.]</p>
<p>◆ TimetableYear : int Private</p> <p style="text-align: right;">[Is static True. Containment is Not Specified.]</p>
<p>◆ Title : String Private</p> <p style="text-align: right;">[Is static True. Containment is Not Specified.]</p>

ASSOCIATIONS
<p>✍ Association (direction: Unspecified)</p> <p>Source: Public (Object) Dossier Cardinality: [1]</p> <p>Target: Public (Object) Path (Plan) Cardinality: [*]</p>
<p>✍ Association (direction: Unspecified)</p> <p>Source: Public (Object) Dossier Cardinality: [1]</p> <p>Target: Public (Object) PathRequest Cardinality: [*]</p>
<p>✍ Association (direction: Unspecified)</p> <p>Source: Public (Object) CaseReference</p> <p>Target: Public (Object) Dossier</p>
<p>✍ Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p> <p>Target: Public (Object) Dossier Cardinality: [1]</p>

JourneyLocation



Object in package 'Business Objects'

JourneyLocation
 Version 1.0 Phase 1.0 Proposed
 seidmaglajlic created on 18.02.2015. Last modified 18.02.2015

NetworkSpecificParameter

Object in package 'Business Objects'

NetworkSpecificParameter
 Version 1.0 Phase 1.0 Proposed
 seidmaglajlic created on 18.02.2015. Last modified 18.02.2015

ATTRIBUTES	
 Name : String Private	[Is static True. Containment is Not Specified.]
 Value : String Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) PathRequest Cardinality: [0]	Target: Public (Object) NetworkSpecificParameter Cardinality: [*]
 Association (direction: Source -> Destination)	
Source: Public (Object) PlannedJourenyLocation Cardinality: [0]	Target: Public (Object) NetworkSpecificParameter Cardinality: [*]



Path

Object in package 'Business Objects'

Path
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 14.06.2013. Last modified 14.06.2013

CONNECTORS	
 Dependency Source -> Destination	
From: Path (Plan) : Object, Public	
To: Path : Object, Public	

CONNECTORS	
 Dependency Source -> Destination From: Path (OP) : Object, Public To: Path : Object, Public	




ATTRIBUTES	
 JourneyLocations : PlannedJourneyLocation Protected	[Is static True. Containment is Not Specified.]
 PathParameters : PlannedTrainParameters Protected	[Is static True. Containment is Not Specified.]


ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Object) Path (Overview)	Target: Public (Object) Path

Path (Overview)





Object in package 'Business Objects'

Path (Overview)
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 14.06.2013. Last modified 14.06.2013

ELEMENTS OWNED BY Path (Overview)	
 OperationalTrainNumber (OTN) : Artifact	
 Path (OP) : Object	
 Path (Plan) : Object	

ATTRIBUTES	
 Calendar : Private	[Is static True. Containment is Not Specified.]
 OTN 1 : Private	[Is static True. Containment is Not Specified.]

ATTRIBUTES	
 OTN 2 : Private	[Is static True. Containment is Not Specified.]
 OTN n : Private	[Is static True. Containment is Not Specified.]
 Path Parameters : Private	[Is static True. Containment is Not Specified.]
 PathID : Private	[Is static True. Containment is Not Specified.]
 Timetable : Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Unspecified) Source: Public (Object) Path (Overview)	Target: Public (Object) Path
 Association (direction: Unspecified) Source: Public (Object) CaseReference (Overview)	Target: Public (Object) Path (Overview)
 Association (direction: Unspecified) Source: Public (Object) PathRequest (Overview)	Target: Public (Object) Path (Overview)
 Association (direction: Unspecified) Source: Public (Object) Train (Overview)	Target: Public (Object) Path (Overview)




OperationalTrainNumber (OTN)

Artifact owned by 'Path (Overview)', in package 'Business Objects'

OTN is contained on each path section. Indication of the OTN on one location means that the OTN is valid for the section starting at this location until the next subsequent one.

On the subsequent path segment (i.e. between next two locations), the OTN can be changed.

OperationalTrainNumber (OTN)
 Version 1.0 Phase 1.0 Proposed
 seidmaglajlic created on 18.02.2015. Last modified 06.03.2015




CONNECTORS
<p> Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (OP) : Object, Public</p>
<p> Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: PlannedJourenyLocation : Object, Public</p>
<p> Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (Plan) : Object, Public</p>


Path (OP)


Object owned by 'Path (Overview)', in package 'Business Objects'

Path (OP)
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 28.06.2013

OUTGOING STRUCTURAL RELATIONSHIPS
<p> Aggregation from Path (OP) to Path (Plan) [Direction is 'Source -> Destination'.]</p>

CONNECTORS
<p> Dependency Source -> Destination From: Path (OP) : Object, Public To: Train Running Forecast Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path (OP) : Object, Public To: Path : Object, Public</p>
<p> Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (OP) : Object, Public</p>

ATTRIBUTES
<p> PathID : CompositIdentifierOperationalType Private [Is static True. Containment is Not Specified.]</p>




ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Path (OP) Cardinality: [1]	Target: Public (Object) PlannedJourenyLocation Cardinality: [*]


Path (Plan)



Object owned by 'Path (Overview)', in package 'Business Objects'

Path (Plan)
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS	
 Aggregation from Path (OP) to Path (Plan)	
[Direction is 'Source -> Destination'.]	

CONNECTORS	
 Dependency Source -> Destination From: Path (Plan) : Object, Public To: Path : Object, Public	
 Dependency Source -> Destination From: synchronize actions : Synchronization, Public To: Path (Plan) : Object, Public	
 Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (Plan) : Object, Public	

ATTRIBUTES	
 PathID : CompositIdentifierPlanningType Private	
[Is static True. Containment is Not Specified.]	

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Path (Plan) Cardinality: [1]	Target: Public (Object) PathInformation Cardinality: [1]
 Association (direction: Source -> Destination)	

ASSOCIATIONS	
Source: Public (Object) Path (Plan) Cardinality: [*]	Target: Public (Object) CaseReference Cardinality: [1]
✍ Association (direction: Unspecified)	
Source: Public (Object) Dossier Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]
✍ Association (direction: Unspecified)	
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]

Path new (OP)

Object in package 'Business Objects'

Path new (OP)
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 17.06.2013

Path Z (Plan)

Object in package 'Business Objects'

Path Z (Plan)
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 10.06.2013

PathInformation

Object in package 'Business Objects'

PathInformation
Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 18.02.2015. Last modified 18.02.2015

INCOMING STRUCTURAL RELATIONSHIPS
➔ Aggregation from PlannedJourenyLocation to PathInformation [Direction is 'Destination -> Source'.]

ATTRIBUTES
🔑 Calendar : PlannedCalendar Private [Is static True. Containment is Not Specified.]




ASSOCIATIONS	
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) Path (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) PathInformation Cardinality: [1]</p>
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [1]</p>	<p>Target: Public (Object) PathInformation Cardinality: [1]</p>



PathRequest (Overview)

Object in package 'Business Objects'

PathRequest (Overview)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 14.06.2013. Last modified 14.06.2013

ELEMENTS OWNED BY PathRequest (Overview)
<p> PathRequest : Object</p>

ATTRIBUTES	
<p> Calendar : Private</p>	<p>[Is static True. Containment is Not Specified.]</p>
<p> Parameters : Private</p>	<p>[Is static True. Containment is Not Specified.]</p>
<p> PathRequestID : Private</p>	<p>[Is static True. Containment is Not Specified.]</p>
<p> Timetable : Private</p>	<p>[Is static True. Containment is Not Specified.]</p>

ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) PathRequest (Overview)</p>	<p>Target: Public (Object) PathRequest</p>
<p> Association (direction: Unspecified)</p>	

ASSOCIATIONS	
Source: Public (Object) PathRequest (Overview)	Target: Public (Object) Train (Overview)
✎ Association (direction: Unspecified)	
Source: Public (Object) PathRequest (Overview)	Target: Public (Object) Path (Overview)
✎ Association (direction: Unspecified)	
Source: Public (Object) CaseReference (Overview)	Target: Public (Object) PathRequest (Overview)

PathRequest

Object owned by 'PathRequest (Overview)', in package 'Business Objects'

PathRequest
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 28.06.2013

ATTRIBUTES	
◆ CoordinatingIM : CompanyCode Private	[Is static True. Containment is Not Specified.]
◆ LeadRU : CompanyCode Private	[Is static True. Containment is Not Specified.]
◆ MessageStatus : int Private	[Is static True. Containment is Not Specified.]
◆ PathRequestID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]
◆ TypeOfIMHarmonizations : String Private	[Is static True. Containment is Not Specified.]
◆ TypeOfInformation : int Private	[Is static True. Containment is Not Specified.]
◆ TypeOfRequest : int Private	[Is static True. Containment is Not Specified.]
◆ TypeOfRUHarmonization : String Private	

ATTRIBUTES
[Is static True. Containment is Not Specified.]

ASSOCIATIONS
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [1]</p> <p>Target: Public (Object) TrainInformation Cardinality: [1]</p>
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [*]</p> <p>Target: Public (Object) CaseReference Cardinality: [1]</p>
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [0]</p> <p>Target: Public (Object) NetworkSpecificParameter Cardinality: [*]</p>
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [1]</p> <p>Target: Public (Object) PathInformation Cardinality: [1]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Dossier Cardinality: [1]</p> <p>Target: Public (Object) PathRequest Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) PathRequest (Overview)</p> <p>Target: Public (Object) PathRequest</p>
<p> Association (direction: Destination -> Source)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p> <p>Target: Public (Object) PathRequest Cardinality: [*]</p>

PlannedJourneyLocation

Object in package 'Business Objects'

PlannedJourneyLocation
Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 18.02.2015. Last modified 18.02.2015

OUTGOING STRUCTURAL RELATIONSHIPS


← Aggregation from PlannedJourneyLocation to PathInformation

[Direction is 'Destination -> Source'.]

← Aggregation from PlannedJourneyLocation to TrainInformation

[Direction is 'Destination -> Source'.]


CONNECTORS

 **Dependency** Source -> Destination


From: OperationalTrainNumber (OTN) : Artifact, Public

To: PlannedJourneyLocation : Object, Public


ATTRIBUTES

 FreeTextField : String256 Private


[Is static True. Containment is Not Specified.]

 HandoverHarmonized : boolean Private

[Is static True. Containment is Not Specified.]

 InterchangeHarmonized : boolean Private


[Is static True. Containment is Not Specified.]

 JourneyLocationType : JourneyLocationTypeCode Private


[Is static True. Containment is Not Specified.]

 locationID : LocationIdent Private


[Is static True. Containment is Not Specified.]

 OnDemandPath : boolean Private


[Is static True. Containment is Not Specified.]

 OperationalTrainNumber : String1-8 Private

[Is static True. Containment is Not Specified.]

 PlannedTrainData : ComplexType Private

[Is static True. Containment is Not Specified.]

 PreArrangedPath : String1-9 Private

[Is static True. Containment is Not Specified.]

ATTRIBUTES	
<p>◆ ResponsibleApplicant : CompanyCode Private</p>	[Is static True. Containment is Not Specified.]
<p>◆ ResponsibleRU : CompanyCode Private</p>	[Is static True. Containment is Not Specified.]
<p>◆ TimingAtLocation : ComplexType Private</p>	[Is static True. Containment is Not Specified.]
<p>◆ TrainActivity : TrainActivityType Private</p>	[Is static True. Containment is Not Specified.]



ASSOCIATIONS	
<p>✍ Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PlannedJourenyLocation Cardinality: [0]</p>	<p>Target: Public (Object) NetworkSpecificParameter Cardinality: [*]</p>
<p>✍ Association (direction: Source -> Destination)</p> <p>Source: Public (Object) Path (OP) Cardinality: [1]</p>	<p>Target: Public (Object) PlannedJourenyLocation Cardinality: [*]</p>

ThroughCoach

Object in package 'Business Objects'

ThroughCoach
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 18.02.2013

ATTRIBUTES	
<p>◆ Calendar : Calendar Private</p>	[Is static True. Containment is Not Specified.]
<p>◆ LocationFrom : PlannedJourneyLocation Private</p>	[Is static True. Containment is Not Specified.]
<p>◆ LocationTo : PlannedJourneyLocation Private</p>	[Is static True. Containment is Not Specified.]

ATTRIBUTES	
 PositionOnTrain : int Private	[Is static True. Containment is Not Specified.]
 TrainSequenceNumber : int Private	[Is static True. Containment is Not Specified.]



ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Object) ThroughCoach	Target: Public (Object) Coach

Train

Object in package 'Business Objects'

Train
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 14.06.2013. Last modified 14.06.2013

CONNECTORS	
 Dependency Source -> Destination From: Train (OP) : Object, Public To: Train : Object, Public	
 Dependency Source -> Destination From: Train (Plan) : Object, Public To: Train : Object, Public	

ATTRIBUTES	
 JourneyLocations : PlannedJourneyLocation Protected	[Is static True. Containment is Not Specified.]
 TrainParameters : PlannedTrainParameters Protected	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Object) Train (Overview)	Target: Public (Object) Train

Train



Object in package 'Business Objects'

Train
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 14.06.2013. Last modified 14.06.2013



Train (Overview)



Object in package 'Business Objects'

Train (Overview)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 14.06.2013. Last modified 14.06.2013

ELEMENTS OWNED BY Train (Overview)
 Train (OP) : Object
 Train (Plan) : Object

ATTRIBUTES	
 Calendar : Private	[Is static True. Containment is Not Specified.]
 Timetable : Private	[Is static True. Containment is Not Specified.]
 Train Parameters : Private	[Is static True. Containment is Not Specified.]
 TrainID : Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS		
 Association (direction: Unspecified)	Source: Public (Object) Train (Overview)	Target: Public (Object) Train
 Association (direction: Unspecified)	Source: Public (Object) Train (Overview)	Target: Public (Object) Path (Overview)

ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Object) PathRequest (Overview)	Target: Public (Object) Train (Overview)
 Association (direction: Unspecified)	
Source: Public (Object) CaseReference (Overview)	Target: Public (Object) Train (Overview)


Train (OP)


Object owned by 'Train (Overview)', in package 'Business Objects'

Train (OP)
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.11.2012. Last modified 18.09.2013

OUTGOING STRUCTURAL RELATIONSHIPS	
 Aggregation from Train (OP) to Train (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Train (OP) : Object, Public To: Train : Object, Public	

ATTRIBUTES	
 TrainID : CompositIdentifierOperationalType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Train (OP) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]

Train (Plan)

Object owned by 'Train (Overview)', in package 'Business Objects'

Train (Plan)
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 10.06.2013. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS	
<p>➔ Aggregation from Train (OP) to Train (Plan)</p>	<p>[Direction is 'Source -> Destination'.]</p>

CONNECTORS	
<p>➔ Dependency Source -> Destination</p> <p>From: Train (Plan) : Object, Public</p> <p>To: Train : Object, Public</p>	

ATTRIBUTES	
<p>🔑 TrainID : CompositIdentifierPlannedType Private</p>	<p>[Is static True. Containment is Not Specified.]</p>

ASSOCIATIONS	
<p>➔ Association (direction: Source -> Destination)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) TrainInformation Cardinality: [1]</p>
<p>➔ Association (direction: Destination -> Source)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) PathRequest Cardinality: [*]</p>
<p>➔ Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) Path (Plan) Cardinality: [*]</p>
<p>➔ Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) CaseReference Cardinality: [1]</p>
<p>➔ Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) Dossier Cardinality: [1]</p>

Object in package 'Business Objects'

TrainInformation
Version 1.0 Phase 1.0 Proposed
seidmaglajlic created on 18.02.2015. Last modified 18.02.2015

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from PlannedJourenyLocation to TrainInformation

[Direction is 'Destination -> Source'.]

ATTRIBUTES

◆ Calendar : PlannedCalendar Private

[Is static True. Containment is Not Specified.]

◆ ReferenceLocation : LocationIdent Private

[Is static True. Containment is Not Specified.]

ASSOCIATIONS

✍ Association (direction: Source -> Destination)

Source: Public (Object) Train (Plan)
Cardinality: [1]

Target: Public (Object) TrainInformation
Cardinality: [1]

✍ Association (direction: Source -> Destination)

Source: Public (Object) PathRequest
Cardinality: [1]

Target: Public (Object) TrainInformation
Cardinality: [1]

✍ Association (direction: Source -> Destination)

Source: Public (Object) Train (OP)
Cardinality: [1]

Target: Public (Object) TrainInformation
Cardinality: [1]

Train Y (Plan)*Object in package 'Business Objects'*

Train Y (Plan)
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 10.06.2013

Messages

Package in package 'Business Process Model'

Messages
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 12.06.2013. Last modified 12.06.2013

Messages diagram

Analysis diagram in package 'Messages'

Messages
Version 1.0
seid.maglajlic created on 14.06.2013. Last modified 14.06.2013



(from Business Process Model)

Figure 145: Messages

Messages

Package in package 'Business Process Model'

Messages

Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 12.06.2013. Last modified 12.06.2013

IM

Event in package 'Messages'

IM
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.02.2013. Last modified 15.03.2013

RU

Event in package 'Messages'

RU
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.02.2013. Last modified 15.03.2013

CONNECTORS
<p> Dependency Source -> Destination From: RU : Event, Public To: synchronize actions : Synchronization, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>

PathCoordination Message

Trigger in package 'Messages'


PathCoordination Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 12.06.2013. Last modified 12.06.2013

CONNECTORS
<p> Dependency Source -> Destination From: PathCoordination Message : Trigger, Public To: In harmonization : State, Public</p>
<p> Dependency Source -> Destination From: PathCoordination Message : Trigger, Public To: Create object : EntryPoint, Public</p>
<p> Dependency Source -> Destination From: PathCoordination Message : Trigger, Public To: Replanned : State, Public</p>
<p> Dependency Source -> Destination From: PathCoordination Message : Trigger, Public To: Harmonized : State, Public</p>
<p> Dependency Source -> Destination From: PathCoordination Message : Trigger, Public To: Harmonized : State, Public</p>
<p> Dependency Source -> Destination From: PathCoordination Message : Trigger, Public To: Elaborated : State, Public</p>

PathSection Notification Message

Trigger in package 'Messages'










PathSection Notification Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 12.06.2013. Last modified 12.06.2013

CONNECTORS
<p> Dependency Source -> Destination From: PathSection Notification Message : Trigger, Public To: Replanned : State, Public</p>

Error Message

Trigger in package 'Messages'

Error Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 21.05.2013



CONNECTORS
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message : Trigger, Public To: Receive error message : Activity, Public</p>
<p> Dependency PathID Source -> Destination From: Error Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency AnswerNotPossible Source -> Destination From: Error Message : Trigger, Public To: Refused by IM : State, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public</p>

CONNECTORS
 Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error Message Processing started : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error message Processing started : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error message processed : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error message processing started : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public
 Dependency Source -> Destination From: Error Message processing started : Synchronization, Public To: Error Message : Trigger, Public

PathCancellation Message

Trigger in package 'Messages'






PathCancellation Message
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 21.05.2013




CONNECTORS
<p> Dependency Source -> Destination From: PathCancellation Message : Trigger, Public To: Canceled : State, Public</p>
<p> Dependency Source -> Destination From: Update Link Message and Path Cancellation Message processing started : Synchronization, Public To: PathCancellation Message : Trigger, Public</p>

Path Confirmed Message

Trigger in package 'Messages'

Path Confirmed Message
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 15.03.2013. Last modified 10.06.2013

CONNECTORS
<p> Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Accepted : State, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Accepted : State, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed Message : Trigger, Public To: Path for the Train accepted : State, Public</p>
<p> Dependency [path offer accepted] Source -> Destination From: Check alternative path offer : Activity, Public To: Path Confirmed Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed processing started : Synchronization, Public To: Path Confirmed Message : Trigger, Public</p>

CONNECTORS
<p> Dependency Source -> Destination From: Path Confirmed Processing started : Synchronization, Public To: Path Confirmed Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Confirmed Processing started : Synchronization, Public To: Path Confirmed Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Planned : State, Public To: Path Confirmed Message : Trigger, Public</p>

PathDetails Message


Trigger in package 'Messages'

c02 diagram contains the identifier processing of this message


PathDetails Message
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.02.2013. Last modified 05.06.2013


CONNECTORS
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Finally offered : State, Public</p>
<p> Dependency PathRequestID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency TrainID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Source -> Destination From: PathDetails Message : Trigger, Public To: Offered : State, Public</p>
<p> Dependency PathID Source -> Destination From: PathDetails Message : Trigger, Public To: RU : Event, Public</p>


CONNECTORS


 **Dependency** Source -> Destination
 From: PathDetails Message : Trigger, Public
 To: Adapted : State, Public


 **Dependency** Source -> Destination
 From: PathDetails Message : Trigger, Public
 To: PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity, Public


 **Dependency** Source -> Destination
 From: PathDetails Message : Trigger, Public
 To: Drafted : State, Public


 **Dependency** Source -> Destination
 From: PathDetails Message : Trigger, Public
 To: SendMessageIM-RU-TR-PA-RelID : Activity, Public


 **Dependency** PathID Source -> Destination
 From: PathDetails Message : Trigger, Public
 To: RU : Event, Public


 **Dependency** Source -> Destination
 From: PathDetails Message : Trigger, Public
 To: Path for the Train offered : State, Public

 **Dependency** TrainID Source -> Destination
 From: PathDetails Message : Trigger, Public
 To: RU : Event, Public

 **Dependency** Source -> Destination
 From: Path processing started : Synchronization, Public
 To: PathDetails Message : Trigger, Public

 **Dependency** Source -> Destination
 From: Link the Train object to Path object by IM : Action, Public
 To: PathDetails Message : Trigger, Public






 **Dependency** Source -> Destination
 From: Provide alternative path : Activity, Public
 To: PathDetails Message : Trigger, Public

CONNECTORS	
 Dependency	Source -> Destination
From:	Path Details processing started : Synchronization, Public
To:	PathDetails Message : Trigger, Public

PathDetails Message Status booked

Trigger in package 'Messages'






PathDetails Message Status booked
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.06.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	PathDetails Message Status booked : Trigger, Public
To:	Planned : State, Public
 Dependency	Source -> Destination
From:	PathDetails Message Status booked : Trigger, Public
To:	Booked : State, Public
 Dependency	Source -> Destination
From:	PathDetails Message Status booked : Trigger, Public
To:	Train data adapted to the offered Path : State, Public
 Dependency	Source -> Destination
From:	Accepted : State, Public
To:	PathDetails Message Status booked : Trigger, Public
 Dependency	Source -> Destination
From:	Path Details Message Status Booked Processing started : Synchronization, Public
To:	PathDetails Message Status booked : Trigger, Public

Path Details Refused Message

Trigger in package 'Messages'




Path Details Refused Message
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 08.02.2013. Last modified 10.06.2013





CONNECTORS
<p> Dependency Source -> Destination From: Path Details Refused Message : Trigger, Public To: Refused by RU : State, Public</p>
<p> Dependency Source -> Destination From: Path Details Refused Message : Trigger, Public To: Rejected by RU : State, Public</p>
<p> Dependency Source -> Destination From: Path Details Refused Message processing started : Synchronization, Public To: Path Details Refused Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Details refused Processing started : Synchronization, Public To: Path Details Refused Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path Details refused Processing started : Synchronization, Public To: Path Details Refused Message : Trigger, Public</p>

PathNotAvailable Message

Trigger in package 'Messages'

PathNotAvailable Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 08.02.2013. Last modified 21.05.2013





CONNECTORS
<p> Dependency Source -> Destination From: PathNotAvailable Message : Trigger, Public To: EntryPoint: Path Alteration Process : EntryPoint, Public</p>
<p> Dependency Source -> Destination From: PathNotAvailable Message : Trigger, Public To: BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH : Activity, Public</p>
<p> Dependency Source -> Destination From: PathNotAvailable Message : Trigger, Public To: Link processing started : Synchronization, Public</p>







CONNECTORS
<p> Dependency Train ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path ID: Mandatory Source -> Destination From: PathNotAvailable Message : Trigger, Public To: RU : Event, Public</p>
<p> Dependency Path Alteration Process Source -> Destination From: Booked : State, Public To: PathNotAvailable Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Start link processing : Synchronization, Public To: PathNotAvailable Message : Trigger, Public</p>

PathRequest Message

Trigger in package 'Messages'

PathRequest Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.02.2013. Last modified 21.05.2013



CONNECTORS
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: Issued (requested) : State, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: In planning by IM : State, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: In planning by IM : State, Public</p>
<p> Dependency Train ID: Mandatory Source -> Destination From: PathRequest Message : Trigger, Public To: IM : Event, Public</p>

CONNECTORS
<p> Dependency PathRequest ID: Mandatory Source -> Destination From: PathRequest Message : Trigger, Public To: IM : Event, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: Start : Initial State, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: c01-SendMessage-RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o : Activity, Public</p>
<p> Dependency Source -> Destination From: PathRequest Message : Trigger, Public To: REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH : Activity, Public</p>
<p> Dependency Source -> Destination From: Path Request processing started : Synchronization, Public To: PathRequest Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Link the Train object to Path Request object : Action, Public To: PathRequest Message : Trigger, Public</p>

PathRequest Message Status Deletion

Trigger in package 'Messages'

PathRequest Message Status Deletion
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 02.06.2013


CONNECTORS
<p> Dependency Source -> Destination From: PathRequest Message Status Deletion : Trigger, Public To: Withdrawn : State, Public</p>
<p> Dependency Source -> Destination From: Path Request Message Status Deletion Processing started : Synchronization, Public To: PathRequest Message Status Deletion : Trigger, Public</p>

ReceiptConfirmation Message

Trigger in package 'Messages'

ReceiptConfirmation Message
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 15.03.2013. Last modified 21.05.2013

CONNECTORS

 **Dependency** Source -> Destination
From: ReceiptConfirmation Message : Trigger, Public
To: Booked : State, Public

TrainAccepted Message

Trigger in package 'Messages'

TrainAccepted Message
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 21.05.2013

TrainAtStart Message

Trigger in package 'Messages'


TrainAtStart Message
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 21.05.2013

TrainComposition Message

Trigger in package 'Messages'

TrainComposition Message
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 21.05.2013




CONNECTORS

 **Dependency** Source -> Destination
From: TRain Composition Message procession started : Synchronization, Public
To: TrainComposition Message : Trigger, Public

TrainDelay CauseMessage

Trigger in package 'Messages'


TrainDelay CauseMessage
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 15.03.2013. Last modified 21.05.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	TrainDelay CauseMessage : Trigger, Public
To:	In operation : State, Public
 Dependency	Source -> Destination
From:	TrainDelay CauseMessage : Trigger, Public
To:	Delayed : State, Public
 Dependency	Source -> Destination
From:	Train Delay Cause Message processing started : Synchronization, Public
To:	TrainDelay CauseMessage : Trigger, Public

TrainDelay Performance Message

Trigger in package 'Messages'

TrainDelay Performance Message
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 02.06.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	Train Delay Performance Processing started : Synchronization, Public
To:	TrainDelay Performance Message : Trigger, Public

TrainNotSuitable Message

Trigger in package 'Messages'

TrainNotSuitable Message
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 21.05.2013

TrainParking Message

Trigger in package 'Messages'

TrainParking Message
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 21.05.2013

CONNECTORS

 **Dependency** Source -> Destination

From: Train Parking Request processing started : Synchronization, Public

To: TrainParking Message : Trigger, Public

TrainPosition Message

Trigger in package 'Messages'

TrainPosition Message
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 21.05.2013

TrainReady Message

Trigger in package 'Messages'

TrainReady Message
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 21.05.2013

CONNECTORS

 **Dependency** Source -> Destination

From: TrainReady Message : Trigger, Public

To: Ready for operation : State, Public

 **Dependency** Source -> Destination

From: Train Ready Message processing started : Synchronization, Public

To: TrainReady Message : Trigger, Public

Train Running Forecast Message

Trigger in package 'Messages'






Train Running Forecast Message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 04.06.2013

CONNECTORS

 **Dependency** Source -> Destination

From: Train Running Forecast Message : Trigger, Public




To: In operation : State, Public



CONNECTORS
<p> Dependency Source -> Destination From: Train Running Forecast Message : Trigger, Public To: RU : ActivityPartition, Public</p>
<p> Dependency Source -> Destination From: Train Running Forecast Messaging started : Synchronization, Public To: Train Running Forecast Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Path (OP) : Object, Public To: Train Running Forecast Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Train Running Forecast Processing started : Synchronization, Public To: Train Running Forecast Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Train Running Forecast Messahe Processing started : Synchronization, Public To: Train Running Forecast Message : Trigger, Public</p>

TrainRunning Information Message

Trigger in package 'Messages'

TrainRunning Information Message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 15.03.2013. Last modified 17.06.2013



CONNECTORS
<p> Dependency Source -> Destination From: TrainRunning Information Message : Trigger, Public To: In operation : State, Public</p>
<p> Dependency Source -> Destination From: TrainRunning Information Message : Trigger, Public To: Delayed : State, Public</p>
<p> Dependency Source -> Destination From: Train Running Information Message processing started : Synchronization, Public To: TrainRunning Information Message : Trigger, Public</p>

CONNECTORS	
 Dependency Source -> Destination From: Train Running Information Processing started : Synchronization, Public To: TrainRunning Information Message : Trigger, Public	
 Dependency Source -> Destination From: Train Running Information processing started : Synchronization, Public To: TrainRunning Information Message : Trigger, Public	

TrainRunning InterruptedMessage

Trigger in package 'Messages'



TrainRunning InterruptedMessage
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 21.05.2013

CONNECTORS	
 Dependency Source -> Destination From: TrainRunning InterruptedMessage : Trigger, Public To: Interrupted : State, Public	
 Dependency Source -> Destination From: Train Running Interrupted Message processing started : Synchronization, Public To: TrainRunning InterruptedMessage : Trigger, Public	

TrainRunningForecastAt ReportingLocationMessage

Trigger in package 'Messages'








TrainRunningForecastAt ReportingLocationMessage
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 21.05.2013

CONNECTORS	
 Dependency Source -> Destination From: Train Running Forecast at reporting Location Processing started : Synchronization, Public To: TrainRunningForecastAt ReportingLocationMessage : Trigger, Public	
 Dependency Source -> Destination From: IM-System : ActivityPartition, Public To: TrainRunningForecastAt ReportingLocationMessage : Trigger, Public	

UpdateLink Message

Trigger in package 'Messages'





UpdateLink Message
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 21.05.2013

CONNECTORS
<p> Dependency Source -> Destination From: UpdateLink Message : Trigger, Public To: c16-SendMessage-RU-IM -TR_m-PA_m-OTN_m : Activity, Public</p>
<p> Dependency Source -> Destination From: UpdateLink Message : Trigger, Public To: Canceled : State, Public</p>
<p> Dependency Source -> Destination From: Update Link Message processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Update Link Message and Path Cancellation Message processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Update Link Message Processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Train Shifting to existing path processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>
<p> Dependency Source -> Destination From: Update Link Message processing started : Synchronization, Public To: UpdateLink Message : Trigger, Public</p>

PathSectionNotification Message (InfoType=UtilizationNotification)

Trigger in package 'Messages'


PathSectionNotification Message (InfoType=UtilizationNotification)
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.04.2013. Last modified 18.02.2015

CONNECTORS	
 Dependency	Source -> Destination
From:	PathSectionNotification Message (InfoType=UtilizationNotification) : Trigger, Public
To:	Planned : State, Public
 Dependency	Source -> Destination
From:	PathSectionNotification Message (InfoType=UtilizationNotification) : Trigger, Public
To:	Produce the operational object : Action, Public
 Dependency	Source -> Destination
From:	PathSectionNotification Message (InfoType=UtilizationNotification) : Trigger, Public
To:	Ready for operation : State, Public
 Dependency	Source -> Destination
From:	Utilisation Notification Processing started : Synchronization, Public
To:	PathSectionNotification Message (InfoType=UtilizationNotification) : Trigger, Public

UpdateOf InfoAbout ObjectMessage

Trigger in package 'Messages'

UpdateOf InfoAbout ObjectMessage
Version 1.0 Phase 1.0 Proposed
Hantak created on 02.04.2013. Last modified 17.06.2013

CONNECTORS	
 Dependency	Source -> Destination
From:	Train Running Forecast Processing started : Synchronization, Public
To:	UpdateOf InfoAbout ObjectMessage : Trigger, Public

Common

Package in package 'Business Process Model'

Common
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 15.03.2013

HOW TO GET PATH(S) diagram

Activity diagram in package 'Common'

HOW TO GET PATH(S)
Version 1.0
Hantak created on 05.09.2013. Last modified 08.09.2013

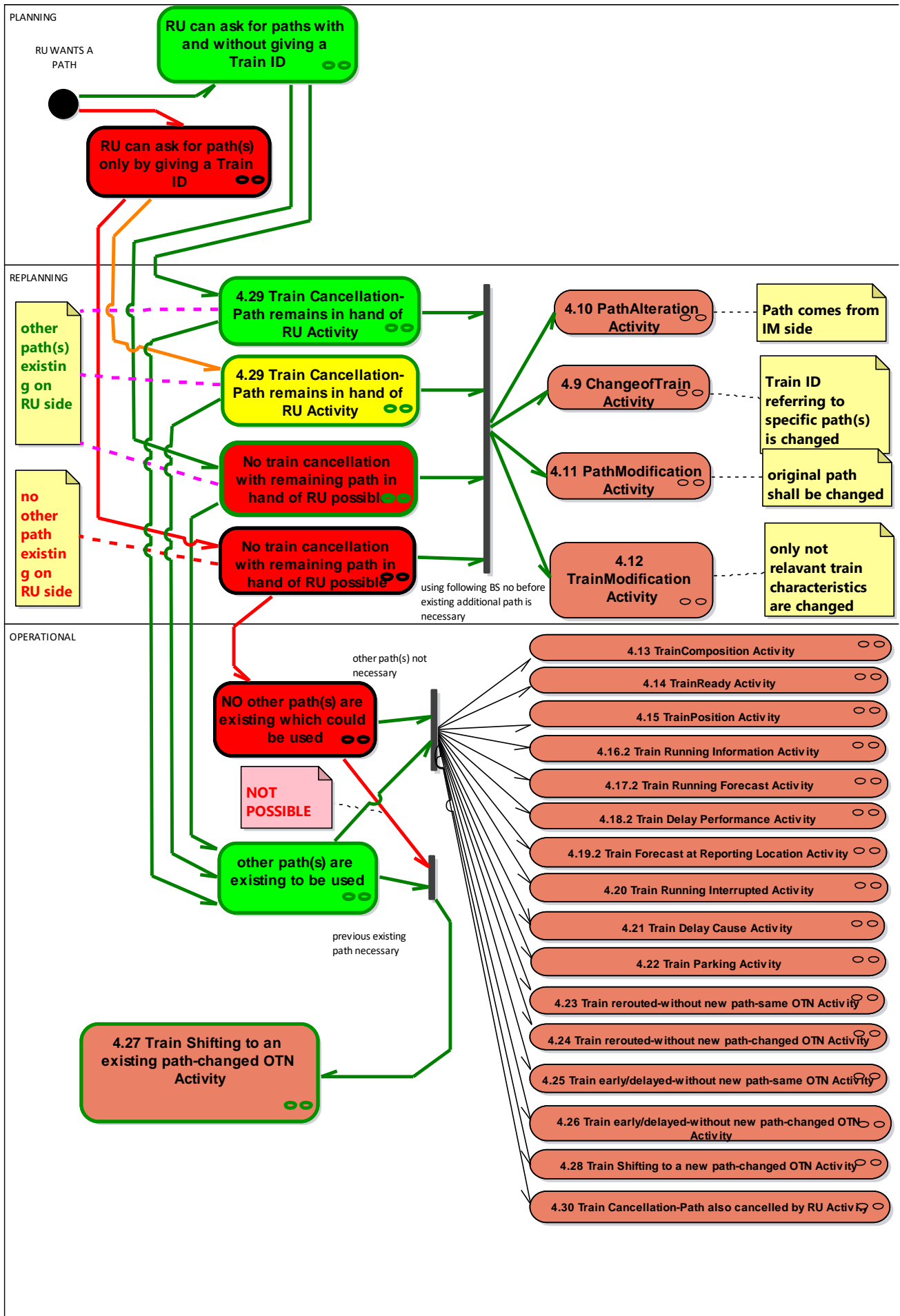


Figure 146: HOW TO GET PATH(S)

Note

Note in package 'Common'

Path comes from IM side

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.09.2013. Last modified 08.09.2013
Extends

Note

Note in package 'Common'

Train ID referring to specific path(s) is changed

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.09.2013. Last modified 08.09.2013
Extends

Note

Note in package 'Common'

original path shall be changed

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.09.2013. Last modified 08.09.2013
Extends

Note

Note in package 'Common'

only not relevant train characteristics are changed

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.09.2013. Last modified 08.09.2013
Extends

Note

Note in package 'Common'

other path(s) existing on RU side

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.09.2013. Last modified 06.09.2013
Extends

Note

Note in package 'Common'

no other path existing on RU side

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.09.2013. Last modified 06.09.2013
Extends

Note

Note in package 'Common'

NOT POSSIBLE

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.09.2013. Last modified 06.09.2013
Extends

RU WANTS A PATH

ActivityInitial in package 'Common'

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⚡ ControlFlow from RU WANTS A PATH to RU can ask for path(s) only by giving a Train ID</p>
<p>⚡ ControlFlow from RU WANTS A PATH to RU can ask for paths with and without giving a Train ID</p>

other path(s) not necessary

Synchronization in package 'Common'

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⚡ ControlFlow from other path(s) not necessary to 4.16.2 Train Running Information Activity</p>
<p>⚡ ControlFlow from other path(s) not necessary to 4.17.2 Train Running Forecast Activity</p>
<p>⚡ ControlFlow from other path(s) not necessary to 4.28 Train Shifting to a new path-changed OTN Activity</p>
<p>⚡ ControlFlow from other path(s) not necessary to 4.24 Train rerouted-without new path-changed OTN Activity</p>

OUTGOING BEHAVIORAL RELATIONSHIPS
↩ ControlFlow from other path(s) not necessary to 4.14 TrainReady Activity
↩ ControlFlow from other path(s) not necessary to 4.21 Train Delay Cause Activity
↩ ControlFlow from other path(s) not necessary to 4.18.2 Train Delay Performance Activity
↩ ControlFlow from other path(s) not necessary to 4.30 Train Cancellation-Path also cancelled by RU Activity
↩ ControlFlow from other path(s) not necessary to 4.25 Train early/delayed-without new path-same OTN Activity
↩ ControlFlow from other path(s) not necessary to 4.26 Train early/delayed-without new path-changed OTN Activity
↩ ControlFlow from other path(s) not necessary to 4.23 Train rerouted-without new path-same OTN Activity
↩ ControlFlow from other path(s) not necessary to 4.22 Train Parking Activity
↩ ControlFlow from other path(s) not necessary to 4.20 Train Running Interrupted Activity
↩ ControlFlow from other path(s) not necessary to 4.19.2 Train Forecast at Reporting Location Activity
↩ ControlFlow from other path(s) not necessary to 4.14 TrainReady Activity
↩ ControlFlow from other path(s) not necessary to 4.15 TrainPosition Activity
↩ ControlFlow from other path(s) not necessary to 4.13 TrainComposition Activity

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from NO other path(s) are existing which could be used to other path(s) not necessary
⇒ ControlFlow from other path(s) are existing to be used to other path(s) not necessary

previous existing path necessary

Synchronization in package 'Common'

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐⇒ ControlFlow from previous existing path necessary to 4.27 Train Shifting to an existing path-changed OTN Activity</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒⇐ ControlFlow from other path(s) are existing to be used to previous existing path necessary</p>
<p>⇒⇐ ControlFlow from NO other path(s) are existing which could be used to previous existing path necessary</p>

using following BS no before existing additional path is necessary

Synchronization in package 'Common'

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐⇒ ControlFlow from using following BS no before existing additional path is necessary to 4.12 TrainModification Activity</p>
<p>⇐⇒ ControlFlow from using following BS no before existing additional path is necessary to 4.9 ChangeofTrain Activity</p>
<p>⇐⇒ ControlFlow from using following BS no before existing additional path is necessary to 4.11 PathModification Activity</p>
<p>⇐⇒ ControlFlow from using following BS no before existing additional path is necessary to 4.10 PathAlteration Activity</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒⇐ ControlFlow from No train cancellation with remaining path in hand of RU possible to using following BS no before existing additional path is necessary</p>
<p>⇒⇐ ControlFlow from No train cancellation with remaining path in hand of RU possible to using following BS no before existing additional path is necessary</p>
<p>⇒⇐ ControlFlow from 4.29 Train Cancellation-Path remains in hand of RU Activity to using following BS no before existing additional path is necessary</p>
<p>⇒⇐ ControlFlow from 4.29 Train Cancellation-Path remains in hand of RU Activity to using following BS no before existing additional path is necessary</p>

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE) diagram

Activity diagram in package 'Common'

LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Version 1.0

seid.magljalic created on 30.05.2013. Last modified 28.11.2013

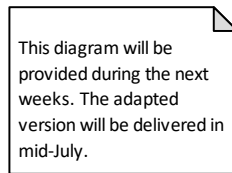


Figure 147: LINK BETWEEN TRAIN AND PATH OBJECTS EXISTS (NO CHANGE)

Note

Note in package 'Common'

This diagram will be provided during the next weeks. The adapted version will be delivered in mid-July.

Note

Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 24.06.2013. Last modified 24.06.2013

Extends

LINK HAS BEEN REFUSED diagram

Activity diagram in package 'Common'

LINK HAS BEEN REFUSED

Version 1.0

seid.magljalic created on 31.05.2013. Last modified 28.06.2013

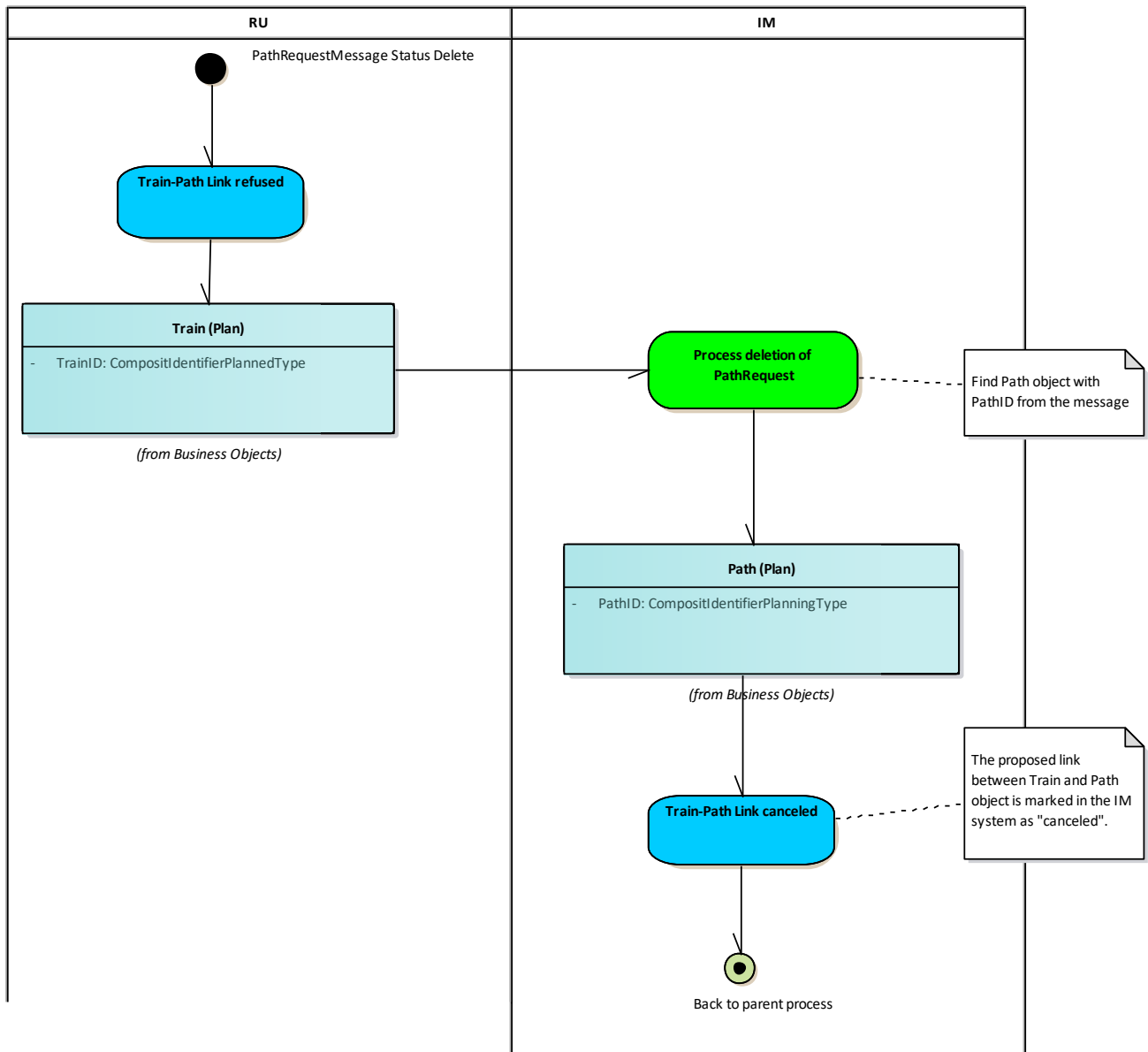


Figure 148: LINK HAS BEEN REFUSED

Note

Note in package 'Common'

The proposed link between Train and Path object is marked in the IM system as "canceled".

Note
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 24.06.2013. Last modified 27.06.2013
 Extends

Note

Note in package 'Common'

Find Path object with PathID from the message

Note
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 28.06.2013. Last modified 28.06.2013

Path (Plan)

Object owned by 'Path (Overview)', in package 'Business Objects'

Path (Plan)

Version 1.0 Phase 1.0 Proposed


seid.maglajlic created on 08.11.2012. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS

➔ Aggregation from Path (OP) to Path (Plan)

[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination

From: Path (Plan) : Object, Public

To: Path : Object, Public

 **Dependency** Source -> Destination

From: synchronize actions : Synchronization, Public


To: Path (Plan) : Object, Public

 **Dependency** Source -> Destination

From: OperationalTrainNumber (OTN) : Artifact, Public

To: Path (Plan) : Object, Public

ATTRIBUTES

 PathID : CompositIdentifierPlanningType Private

[Is static True. Containment is Not Specified.]

ASSOCIATIONS

 Association (direction: Source -> Destination)

Source: Public (Object) Path (Plan)

Cardinality: [1]

Target: Public (Object) PathInformation

Cardinality: [1]

 Association (direction: Source -> Destination)


Source: Public (Object) Path (Plan)

Cardinality: [*]

Target: Public (Object) CaseReference

Cardinality: [1]

 Association (direction: Unspecified)

ASSOCIATIONS	
Source: Public (Object) Dossier Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]
 Association (direction: Unspecified)	
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]

Train (Plan)

Object owned by 'Train (Overview)', in package 'Business Objects'

Train (Plan)
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS	
 Aggregation from Train (OP) to Train (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS
 Dependency Source -> Destination From: Train (Plan) : Object, Public To: Train : Object, Public

ATTRIBUTES	
 TrainID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]
 Association (direction: Destination -> Source)	
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) PathRequest Cardinality: [*]
 Association (direction: Unspecified)	

ASSOCIATIONS	
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]
 Association (direction: Unspecified) Source: Public (Object) Train (Plan) Cardinality: [*]	Target: Public (Object) CaseReference Cardinality: [1]
 Association (direction: Unspecified) Source: Public (Object) Train (Plan) Cardinality: [*]	Target: Public (Object) Dossier Cardinality: [1]

LINK NOT CONFIRMED diagram

Activity diagram in package 'Common'

LINK NOT CONFIRMED

Version 1.0

seid.magljalic created on 31.05.2013. Last modified 27.06.2013

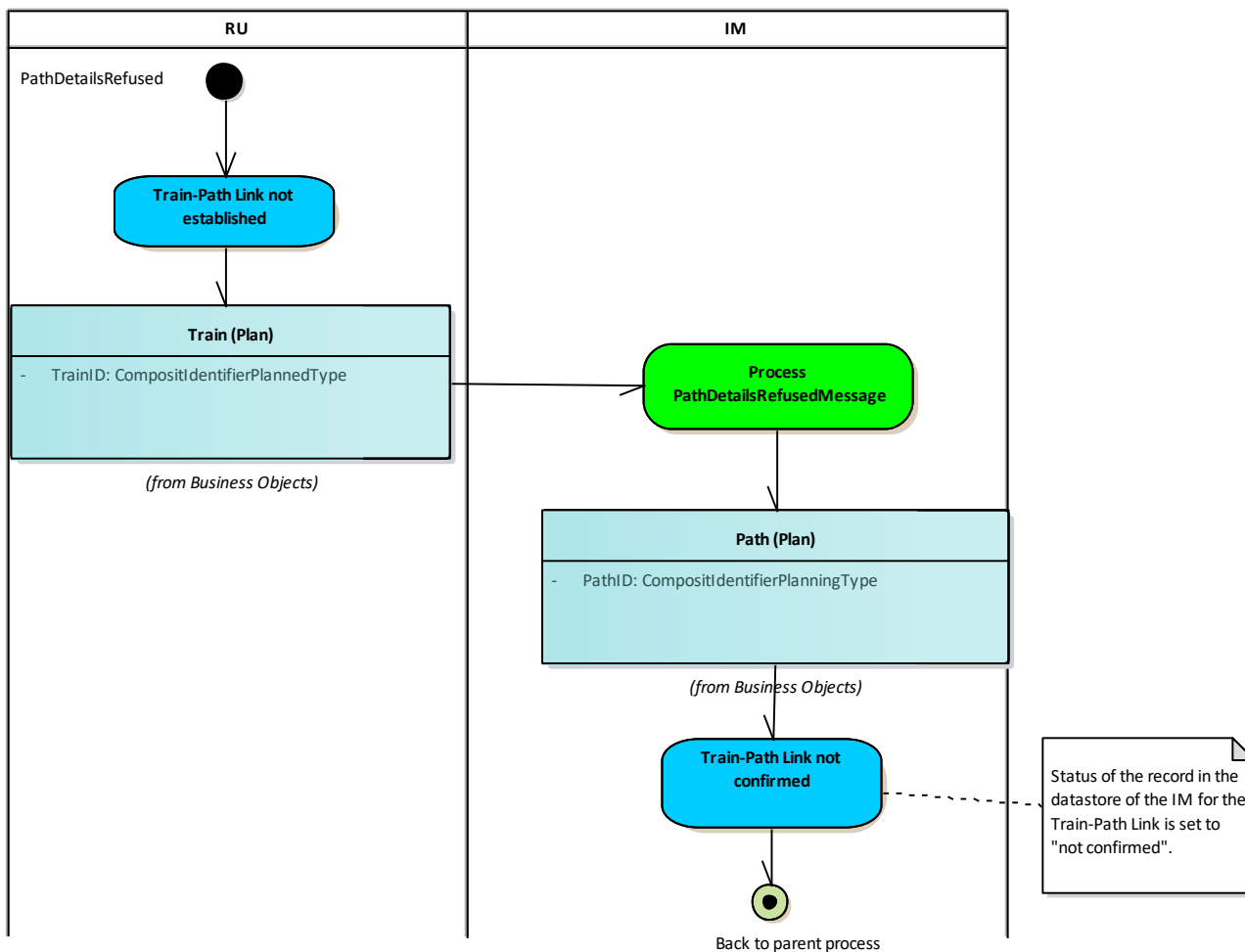


Figure 149: LINK NOT CONFIRMED

Note

Note in package 'Common'

Status of the record in the datastore of the IM for the Train-Path Link is set to "not confirmed".

Note
 Version 1.0 Phase 1.0 Proposed
 seid.magljajlic created on 27.06.2013. Last modified 27.06.2013
 Extends

PathDetailsRefused

ActivityInitial in package 'Common'

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⚡ ControlFlow from PathDetailsRefused to Train-Path Link not established</p>

Path (Plan)

Object owned by 'Path (Overview)', in package 'Business Objects'

Path (Plan)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS
<p>➔ Aggregation from Path (OP) to Path (Plan)</p> <p style="text-align: right;">[Direction is 'Source -> Destination'.]</p>

CONNECTORS
<p> Dependency Source -> Destination From: Path (Plan) : Object, Public To: Path : Object, Public</p>
<p> Dependency Source -> Destination From: synchronize actions : Synchronization, Public To: Path (Plan) : Object, Public</p>
<p> Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (Plan) : Object, Public</p>

ATTRIBUTES
<p> PathID : CompositIdentifierPlanningType Private</p> <p style="text-align: right;">[Is static True. Containment is Not Specified.]</p>

ASSOCIATIONS		
<p> Association (direction: Source -> Destination)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">Source: Public (Object) Path (Plan) Cardinality: [1]</td> <td style="width: 50%; border: none; text-align: right;">Target: Public (Object) PathInformation Cardinality: [1]</td> </tr> </table>	Source: Public (Object) Path (Plan) Cardinality: [1]	Target: Public (Object) PathInformation Cardinality: [1]
Source: Public (Object) Path (Plan) Cardinality: [1]	Target: Public (Object) PathInformation Cardinality: [1]	
<p> Association (direction: Source -> Destination)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">Source: Public (Object) Path (Plan) Cardinality: [*]</td> <td style="width: 50%; border: none; text-align: right;">Target: Public (Object) CaseReference Cardinality: [1]</td> </tr> </table>	Source: Public (Object) Path (Plan) Cardinality: [*]	Target: Public (Object) CaseReference Cardinality: [1]
Source: Public (Object) Path (Plan) Cardinality: [*]	Target: Public (Object) CaseReference Cardinality: [1]	
<p> Association (direction: Unspecified)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">Source: Public (Object) Dossier Cardinality: [1]</td> <td style="width: 50%; border: none; text-align: right;">Target: Public (Object) Path (Plan) Cardinality: [*]</td> </tr> </table>	Source: Public (Object) Dossier Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]
Source: Public (Object) Dossier Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]	
<p> Association (direction: Unspecified)</p>		

ASSOCIATIONS	
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]


Train (Plan)

Object owned by 'Train (Overview)', in package 'Business Objects'


Train (Plan)
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Aggregation from Train (OP) to Train (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Train (Plan) : Object, Public To: Train : Object, Public	

ATTRIBUTES	
 TrainID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination) Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]
 Association (direction: Destination -> Source) Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) PathRequest Cardinality: [*]
 Association (direction: Unspecified) Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]
 Association (direction: Unspecified)	

ASSOCIATIONS	
Source: Public (Object) Train (Plan) Cardinality: [*]	Target: Public (Object) CaseReference Cardinality: [1]
<p> Association (direction: Unspecified)</p>	
Source: Public (Object) Train (Plan) Cardinality: [*]	Target: Public (Object) Dossier Cardinality: [1]

LINK TO BE CHECKED diagram

Activity diagram in package 'Common'

LINK TO BE CHECKED

Version 1.0

Hantak created on 17.06.2013. Last modified 10.09.2013

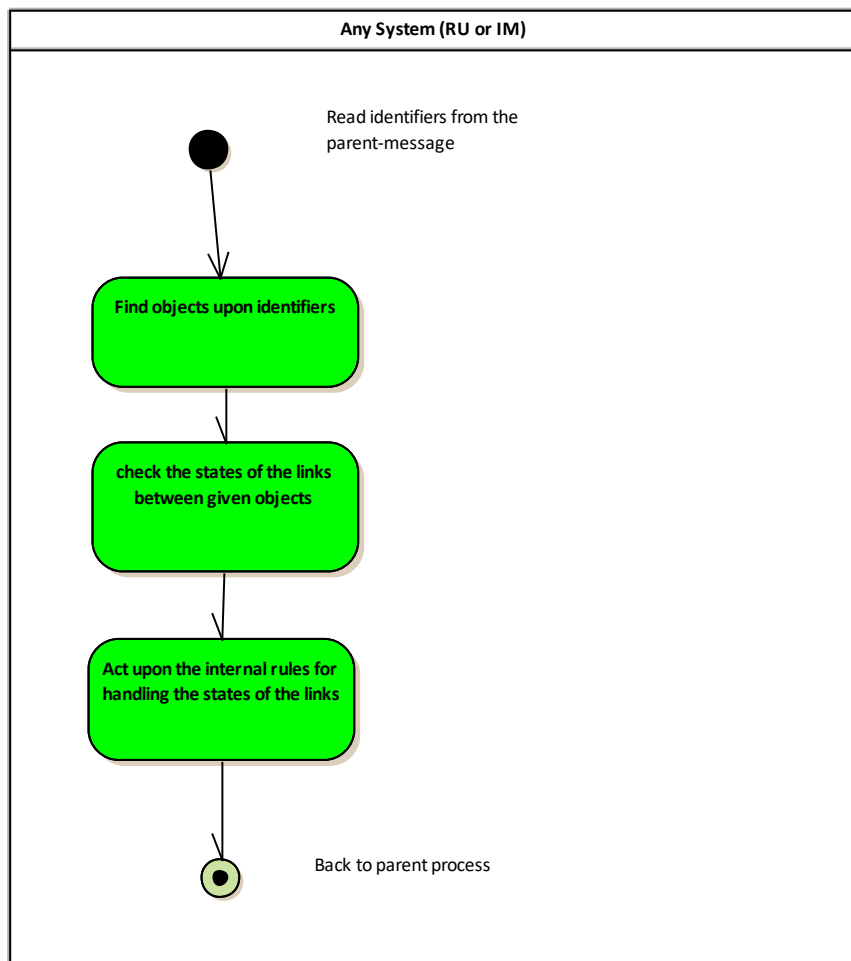


Figure 150: LINK TO BE CHECKED

REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH diagram

Activity diagram in package 'Common'

REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Version 1.0

seid.maglajlic created on 29.05.2013. Last modified 27.06.2013

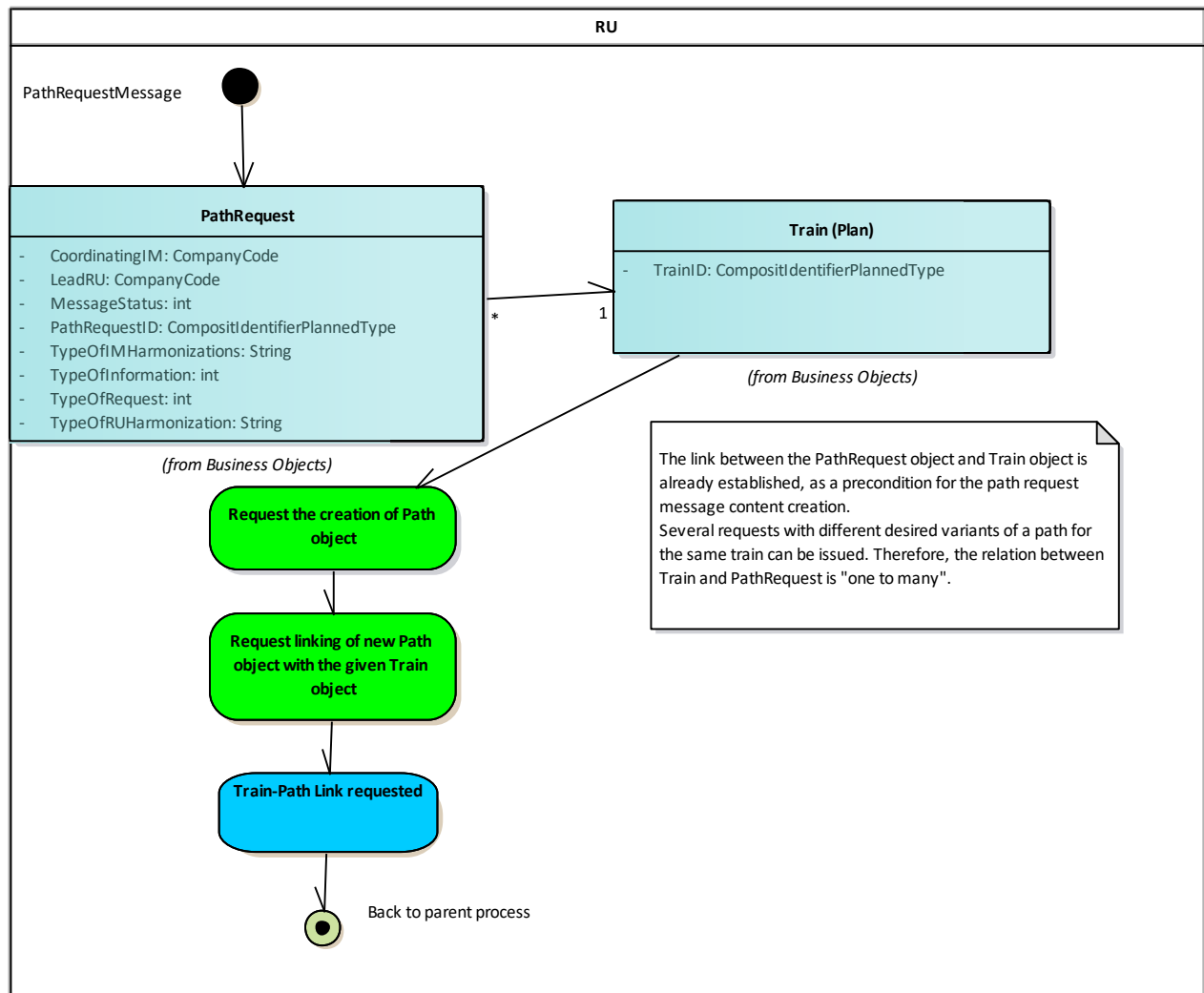


Figure 151: REQUEST FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Note

Note in package 'Common'

The link between the PathRequest object and Train object is already established, as a precondition for the path request message content creation. Several requests with different desired variants of a path for the same train can be issued. Therefore, the relation between Train and PathRequest is "one to many".

Note

Version 1.0 Phase 1.0 Proposed

seid.maglajlic created on 24.06.2013. Last modified 28.06.2013

Extends






PathRequest

Object owned by 'PathRequest (Overview)', in package 'Business Objects'

PathRequest
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 28.06.2013

ATTRIBUTES	
◆ CoordinatingIM : CompanyCode Private	[Is static True. Containment is Not Specified.]
◆ LeadRU : CompanyCode Private	[Is static True. Containment is Not Specified.]
◆ MessageStatus : int Private	[Is static True. Containment is Not Specified.]
◆ PathRequestID : CompositIdentifierPlannedType Private	[Is static True. Containment is Not Specified.]
◆ TypeOfIMHarmonizations : String Private	[Is static True. Containment is Not Specified.]
◆ TypeOfInformation : int Private	[Is static True. Containment is Not Specified.]
◆ TypeOfRequest : int Private	[Is static True. Containment is Not Specified.]
◆ TypeOfRUHarmonization : String Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
<p>✍ Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [1]</p>	<p>Target: Public (Object) TrainInformation Cardinality: [1]</p>
<p>✍ Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [*]</p>	<p>Target: Public (Object) CaseReference Cardinality: [1]</p>

ASSOCIATIONS	
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [0]</p>	<p>Target: Public (Object) NetworkSpecificParameter Cardinality: [*]</p>
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) PathRequest Cardinality: [1]</p>	<p>Target: Public (Object) PathInformation Cardinality: [1]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Dossier Cardinality: [1]</p>	<p>Target: Public (Object) PathRequest Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) PathRequest (Overview)</p>	<p>Target: Public (Object) PathRequest</p>
<p> Association (direction: Destination -> Source)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) PathRequest Cardinality: [*]</p>

Train (Plan)

Object owned by 'Train (Overview)', in package 'Business Objects'






Train (Plan)
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS
<p> Aggregation from Train (OP) to Train (Plan)</p> <p style="text-align: right;">[Direction is 'Source -> Destination'.]</p>

CONNECTORS
<p> Dependency Source -> Destination</p> <p>From: Train (Plan) : Object, Public</p> <p>To: Train : Object, Public</p>

ATTRIBUTES

ATTRIBUTES	
<p> TrainID : CompositIdentifierPlannedType Private</p>	<p>[Is static True. Containment is Not Specified.]</p>

ASSOCIATIONS	
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) TrainInformation Cardinality: [1]</p>
<p> Association (direction: Destination -> Source)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) PathRequest Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) Path (Plan) Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) CaseReference Cardinality: [1]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) Dossier Cardinality: [1]</p>

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH diagram

Activity diagram in package 'Common'

PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Version 1.0

seid.maglajlic created on 29.05.2013. Last modified 27.06.2013

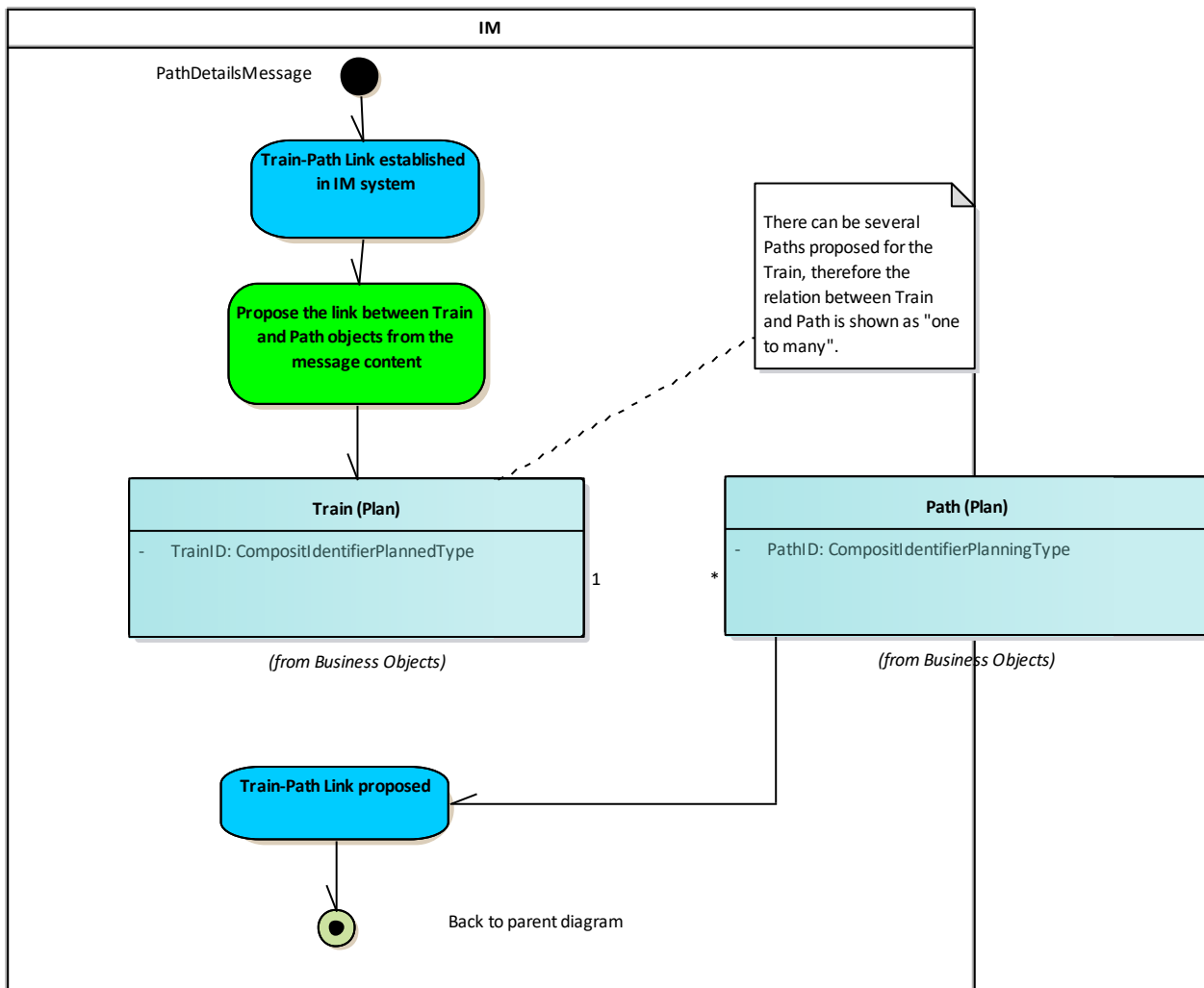


Figure 152: PROPOSAL FOR LINK BETWEEN OBJECTS TRAIN AND PATH

Note

Note in package 'Common'

There can be several Paths proposed for the Train, therefore the relation between Train and Path is shown as "one to many".

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 24.06.2013. Last modified 27.06.2013
Extends

Path (Plan)

Object owned by 'Path (Overview)', in package 'Business Objects'

Path (Plan)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 08.11.2012. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from Path (OP) to Path (Plan)

[Direction is 'Source -> Destination'.]

CONNECTORS

➤ **Dependency** Source -> Destination

From: Path (Plan) : Object, Public

To: Path : Object, Public

➤ **Dependency** Source -> Destination

From: synchronize actions : Synchronization, Public

To: Path (Plan) : Object, Public

➤ **Dependency** Source -> Destination

From: OperationalTrainNumber (OTN) : Artifact, Public

To: Path (Plan) : Object, Public

ATTRIBUTES

◆ PathID : CompositIdentifierPlanningType Private

[Is static True. Containment is Not Specified.]

ASSOCIATIONS

➤ Association (direction: Source -> Destination)

Source: Public (Object) Path (Plan)

Cardinality: [1]

Target: Public (Object) PathInformation

Cardinality: [1]

➤ Association (direction: Source -> Destination)

Source: Public (Object) Path (Plan)

Cardinality: [*]

Target: Public (Object) CaseReference

Cardinality: [1]

➤ Association (direction: Unspecified)

Source: Public (Object) Dossier

Cardinality: [1]

Target: Public (Object) Path (Plan)

Cardinality: [*]

➤ Association (direction: Unspecified)

Source: Public (Object) Train (Plan)

Cardinality: [1]








Target: Public (Object) Path (Plan)

Cardinality: [*]

Train (Plan)

Object owned by 'Train (Overview)', in package 'Business Objects'

Train (Plan)
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS	
<p>➔ Aggregation from Train (OP) to Train (Plan)</p>	[Direction is 'Source -> Destination'.]
CONNECTORS	
<p> Dependency Source -> Destination From: Train (Plan) : Object, Public To: Train : Object, Public</p>	
ATTRIBUTES	
<p> TrainID : CompositIdentifierPlannedType Private</p>	[Is static True. Containment is Not Specified.]
ASSOCIATIONS	
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) TrainInformation Cardinality: [1]</p>
<p> Association (direction: Destination -> Source)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) PathRequest Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) Path (Plan) Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) CaseReference Cardinality: [1]</p>
<p> Association (direction: Unspecified)</p>	

ASSOCIATIONS	
Source: Public (Object) Train (Plan) Cardinality: [*]	Target: Public (Object) Dossier Cardinality: [1]

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH diagram

Activity diagram in package 'Common'

CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Version 1.0

seid.maglajlic created on 29.05.2013. Last modified 06.09.2013

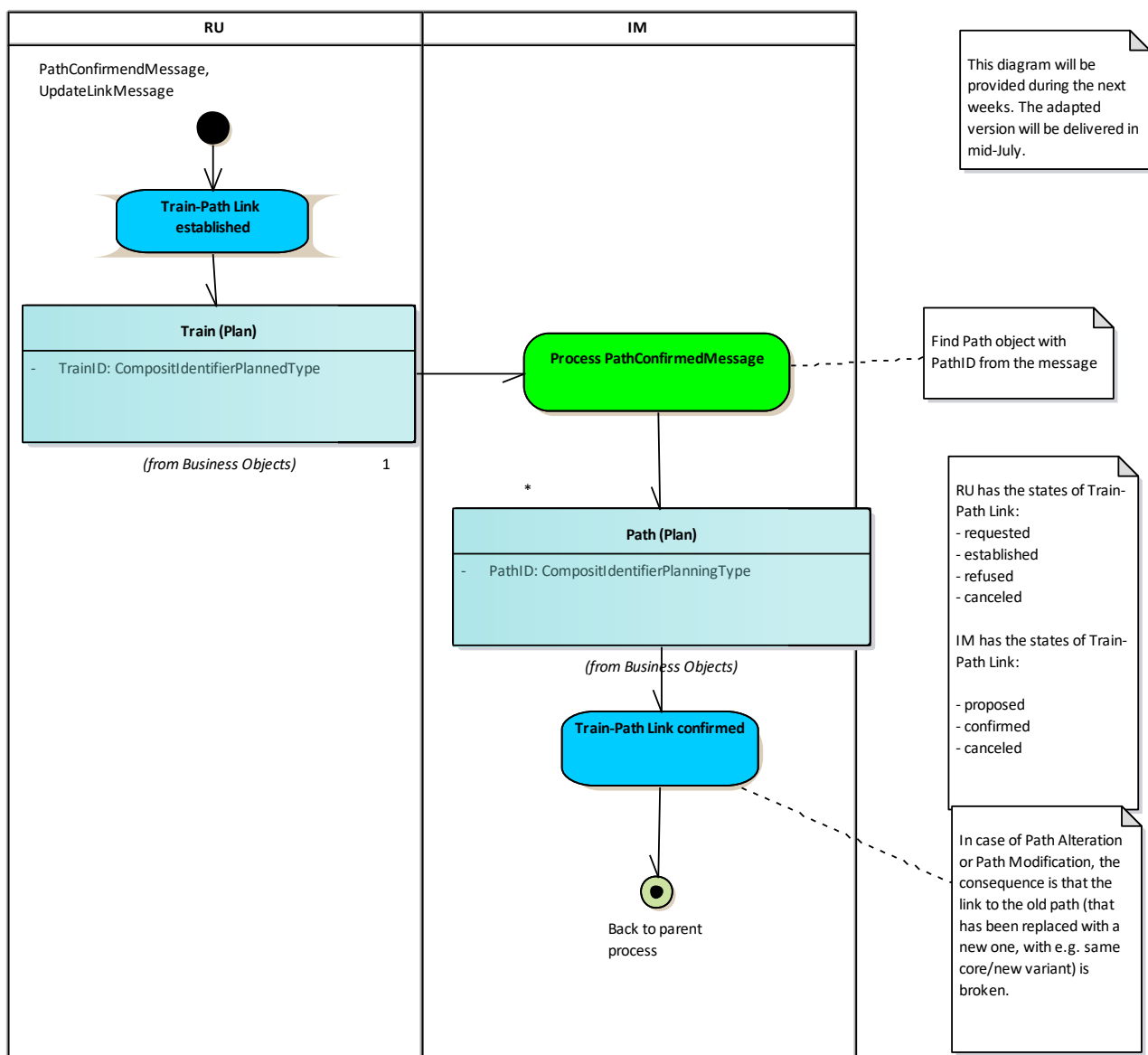


Figure 153: CONFIRMATION ABOUT LINK BETWEEN OBJECTS TRAIN AND PATH

Note

Note in package 'Common'

This diagram will be provided during the next weeks. The adapted version will be delivered in mid-July.

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013
Extends

Note

Note in package 'Common'

Find Path object with PathID from the message

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 28.06.2013. Last modified 28.06.2013
Extends

Note

Note in package 'Common'

RU has the states of Train-Path Link:

- requested
- established
- refused
- canceled

IM has the states of Train-Path Link:

- proposed
- confirmed
- canceled

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 28.06.2013. Last modified 28.06.2013
Extends

Note

Note in package 'Common'

In case of Path Alteration or Path Modification, the consequence is that the link to the old path (that has been replaced with a new one, with e.g. same core/new variant) is broken.

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 06.09.2013. Last modified 06.09.2013
Extends

Path (Plan)

Object owned by 'Path (Overview)', in package 'Business Objects'

Path (Plan)
Version 1.0 Phase 1.0 Proposed
seid.magljajlic created on 08.11.2012. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS
<p>➔ Aggregation from Path (OP) to Path (Plan)</p> <p style="text-align: right;">[Direction is 'Source -> Destination'.]</p>

CONNECTORS
<p> Dependency Source -> Destination From: Path (Plan) : Object, Public To: Path : Object, Public</p>
<p> Dependency Source -> Destination From: synchronize actions : Synchronization, Public To: Path (Plan) : Object, Public</p>
<p> Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (Plan) : Object, Public</p>

ATTRIBUTES
<p> PathID : CompositIdentifierPlanningType Private</p> <p style="text-align: right;">[Is static True. Containment is Not Specified.]</p>

ASSOCIATIONS		
<p> Association (direction: Source -> Destination)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">Source: Public (Object) Path (Plan) Cardinality: [1]</td> <td style="width: 50%; border: none;">Target: Public (Object) PathInformation Cardinality: [1]</td> </tr> </table>	Source: Public (Object) Path (Plan) Cardinality: [1]	Target: Public (Object) PathInformation Cardinality: [1]
Source: Public (Object) Path (Plan) Cardinality: [1]	Target: Public (Object) PathInformation Cardinality: [1]	
<p> Association (direction: Source -> Destination)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">Source: Public (Object) Path (Plan) Cardinality: [*]</td> <td style="width: 50%; border: none;">Target: Public (Object) CaseReference Cardinality: [1]</td> </tr> </table>	Source: Public (Object) Path (Plan) Cardinality: [*]	Target: Public (Object) CaseReference Cardinality: [1]
Source: Public (Object) Path (Plan) Cardinality: [*]	Target: Public (Object) CaseReference Cardinality: [1]	
<p> Association (direction: Unspecified)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">Source: Public (Object) Dossier Cardinality: [1]</td> <td style="width: 50%; border: none;">Target: Public (Object) Path (Plan) Cardinality: [*]</td> </tr> </table>	Source: Public (Object) Dossier Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]
Source: Public (Object) Dossier Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]	

ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]


Train (Plan)

Object owned by 'Train (Overview)', in package 'Business Objects'



Train (Plan)
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 10.06.2013. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS	
 Aggregation from Train (OP) to Train (Plan)	
[Direction is 'Source -> Destination'.]	

CONNECTORS	
 Dependency Source -> Destination	
From: Train (Plan) : Object, Public	
To: Train : Object, Public	

ATTRIBUTES	
 TrainID : CompositIdentifierPlannedType Private	
[Is static True. Containment is Not Specified.]	

ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) TrainInformation Cardinality: [1]
 Association (direction: Destination -> Source)	
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) PathRequest Cardinality: [*]
 Association (direction: Unspecified)	
Source: Public (Object) Train (Plan) Cardinality: [1]	Target: Public (Object) Path (Plan) Cardinality: [*]

ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Object) Train (Plan) Cardinality: [*]	Target: Public (Object) CaseReference Cardinality: [1]
 Association (direction: Unspecified)	
Source: Public (Object) Train (Plan) Cardinality: [*]	Target: Public (Object) Dossier Cardinality: [1]

BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH diagram

Activity diagram in package 'Common'

BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH
Version 1.0
seid.maglajlic created on 29.05.2013. Last modified 22.11.2013

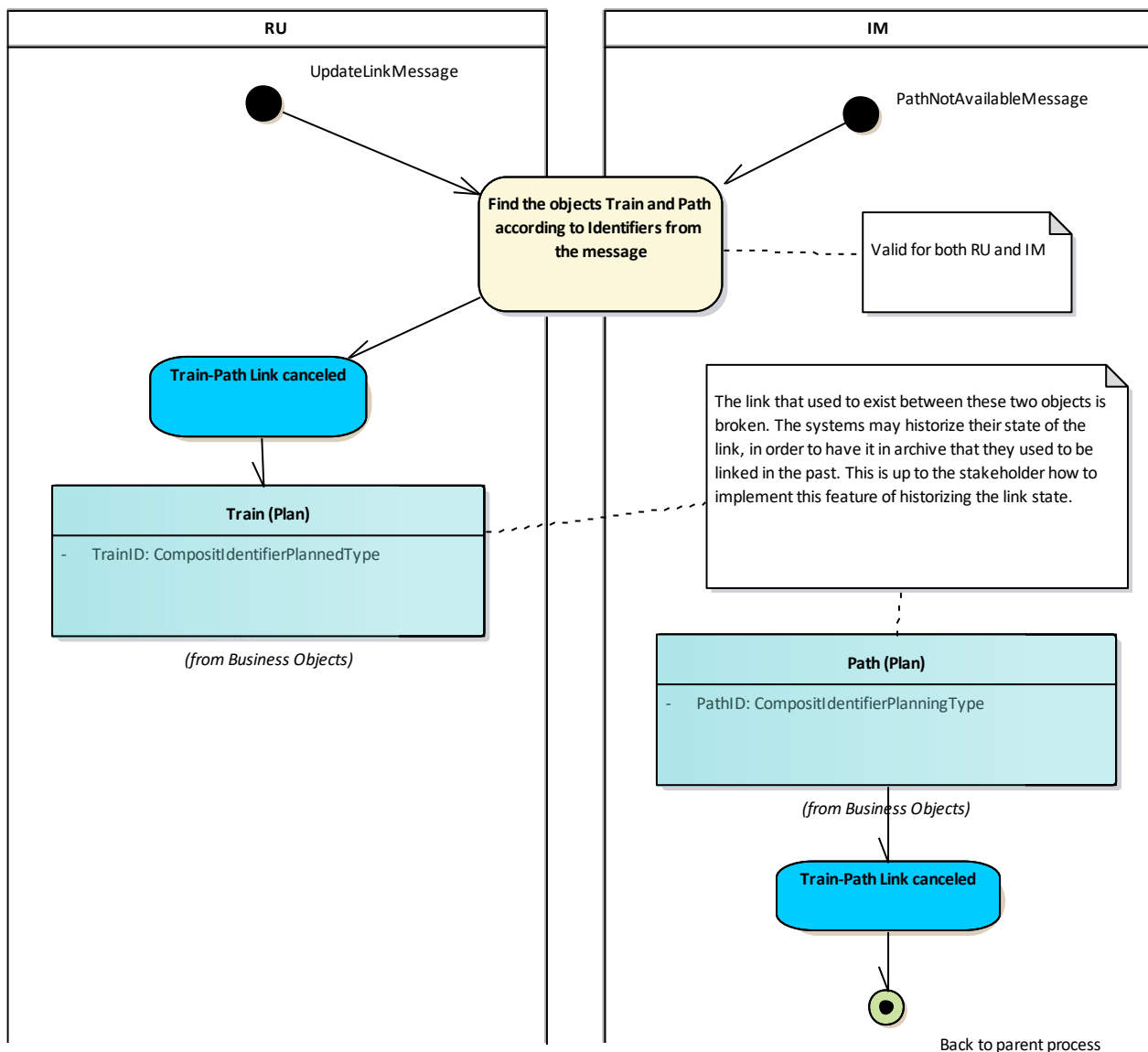


Figure 154: BREAKING OF LINK BETWEEN OBJECTS TRAIN AND PATH

Note

Note in package 'Common'

Valid for both RU and IM

Note
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 28.06.2013. Last modified 28.06.2013
 Extends

Note

Note in package 'Common'




The link that used to exist between these two objects is broken. The systems may historize their state of the link, in order to have it in archive that they used to be linked in the past. This is up to the stakeholder how to implement this feature of historizing the link state.


Note

Path (Plan)


Object owned by 'Path (Overview)', in package 'Business Objects'

INCOMING STRUCTURAL RELATIONSHIPS	
 Aggregation from Path (OP) to Path (Plan)	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency Source -> Destination From: Path (Plan) : Object, Public To: Path : Object, Public	
 Dependency Source -> Destination From: synchronize actions : Synchronization, Public To: Path (Plan) : Object, Public	
 Dependency Source -> Destination From: OperationalTrainNumber (OTN) : Artifact, Public To: Path (Plan) : Object, Public	

ATTRIBUTES	
 PathID : CompositIdentifierPlanningType Private	[Is static True. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Source -> Destination) Source: Public (Object) Path (Plan) Cardinality: [1]	Target: Public (Object) PathInformation Cardinality: [1]
 Association (direction: Source -> Destination) Source: Public (Object) Path (Plan) Cardinality: [*]	Target: Public (Object) CaseReference Cardinality: [1]

ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Dossier Cardinality: [1]</p>	<p>Target: Public (Object) Path (Plan) Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) Path (Plan) Cardinality: [*]</p>


Train (Plan)



Object owned by 'Train (Overview)', in package 'Business Objects'




Train (Plan)
Version 1.0 Phase 1.0 Proposed
Hantak created on 10.06.2013. Last modified 28.06.2013

INCOMING STRUCTURAL RELATIONSHIPS	
<p> Aggregation from Train (OP) to Train (Plan)</p>	<p>[Direction is 'Source -> Destination'.]</p>

CONNECTORS	
<p> Dependency Source -> Destination</p> <p>From: Train (Plan) : Object, Public</p> <p>To: Train : Object, Public</p>	

ATTRIBUTES	
<p> TrainID : CompositIdentifierPlannedType Private</p>	<p>[Is static True. Containment is Not Specified.]</p>

ASSOCIATIONS	
<p> Association (direction: Source -> Destination)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) TrainInformation Cardinality: [1]</p>
<p> Association (direction: Destination -> Source)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) PathRequest Cardinality: [*]</p>

ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [1]</p>	<p>Target: Public (Object) Path (Plan) Cardinality: [*]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) CaseReference Cardinality: [1]</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Object) Train (Plan) Cardinality: [*]</p>	<p>Target: Public (Object) Dossier Cardinality: [1]</p>

CREATION OF LINK BETWEEN OBJECTS TRAIN AND PATH diagram

Activity diagram in package 'Common'

CREATION OF LINK BETWEEN OBJECTS TRAIN AND PATH
Version 1.0
seid.magljalic created on 29.05.2013. Last modified 24.06.2013

This diagram will be provided during the next weeks. The adapted version will be delivered in mid-July.

Figure 155: CREATION OF LINK BETWEEN OBJECTS TRAIN AND PATH

Note

Note in package 'Common'

This diagram will be provided during the next weeks. The adapted version will be delivered in mid-July.

Note
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 24.06.2013. Last modified 24.06.2013
Extends

LIFECYCLE AND MESSAGES diagram

Activity diagram in package 'Common'

LIFECYCLE AND MESSAGES

Version 1.0

Hantak created on 05.05.2013. Last modified 24.06.2013

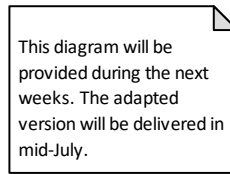


Figure 156: LIFECYCLE AND MESSAGES

Note*Note in package 'Common'*

This diagram will be provided during the next weeks. The adapted version will be delivered in mid-July.

Note

Version 1.0 Phase 1.0 Proposed

seid.maglajlic created on 24.06.2013. Last modified 24.06.2013

Extends

TRAIN ID diagram*Activity diagram in package 'Common'*

TRAIN ID

Version 1.0

Hantak created on 01.05.2013. Last modified 24.06.2013

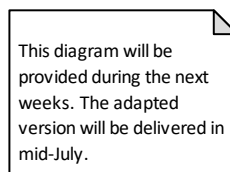


Figure 157: TRAIN ID

Note*Note in package 'Common'*

This diagram will be provided during the next weeks. The adapted version will be delivered in mid-July.

Note

Version 1.0 Phase 1.0 Proposed

seid.maglajlic created on 24.06.2013. Last modified 24.06.2013

Extends

c01-SendMessage- RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o diagram

Activity diagram in package 'Common'

c01-SendMessage- RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o
 Version 1.0
 Hantak created on 26.04.2013. Last modified 28.11.2013

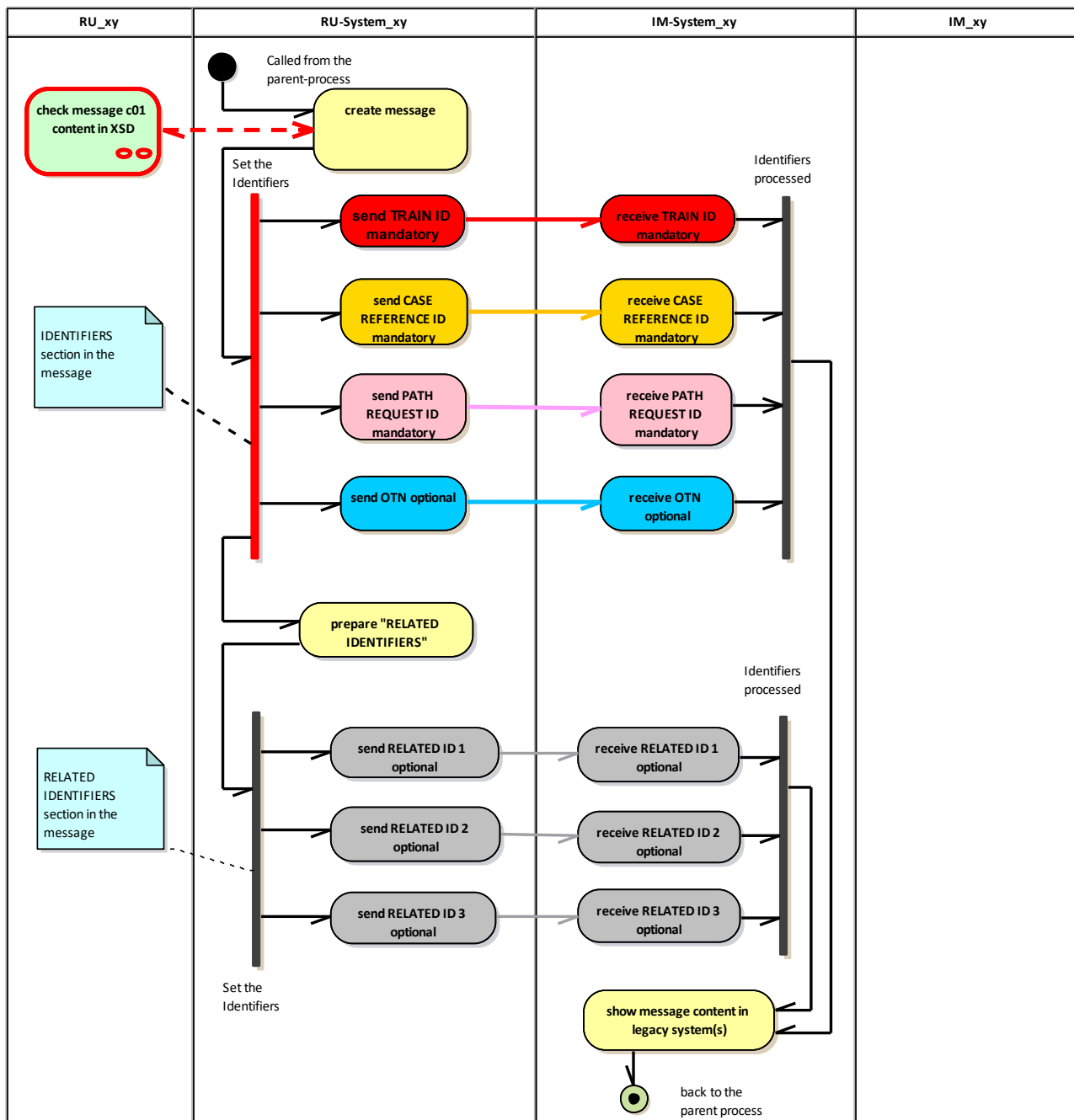


Figure 158: c01-SendMessage- RU-IM -TR_m-CR_m- PR_m-OTN_o-RelID_o

Set the Identifiers

Synchronization in package 'Common'

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>ControlFlow from Set the Identifiers to send PATH REQUEST ID mandatory</p>

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>ControlFlow from Set the Identifiers to send PATH REQUEST ID mandatory</p>
<p>ControlFlow from Set the Identifiers to send OTN optional</p>
<p>ControlFlow from Set the Identifiers to send TRAIN ID mandatory</p>
<p>ControlFlow from Set the Identifiers to send CASE REFERENCE ID mandatory</p>
<p>ControlFlow from Set the Identifiers to prepare "RELATED IDENTIFIERS"</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>ControlFlow from create message to Set the Identifiers</p>
<p>ControlFlow from create message to Set the Identifiers</p>

c02-SendMessage- IM-RU -TR_m-CR_m- PR_m- PA_m-OTN_o-RelID_o diagram

Activity diagram in package 'Common'

c02-SendMessage- IM-RU -TR_m-CR_m- PR_m- PA_m-OTN_o-RelID_o
Version 1.0

Hantak created on 26.04.2013. Last modified 08.09.2013

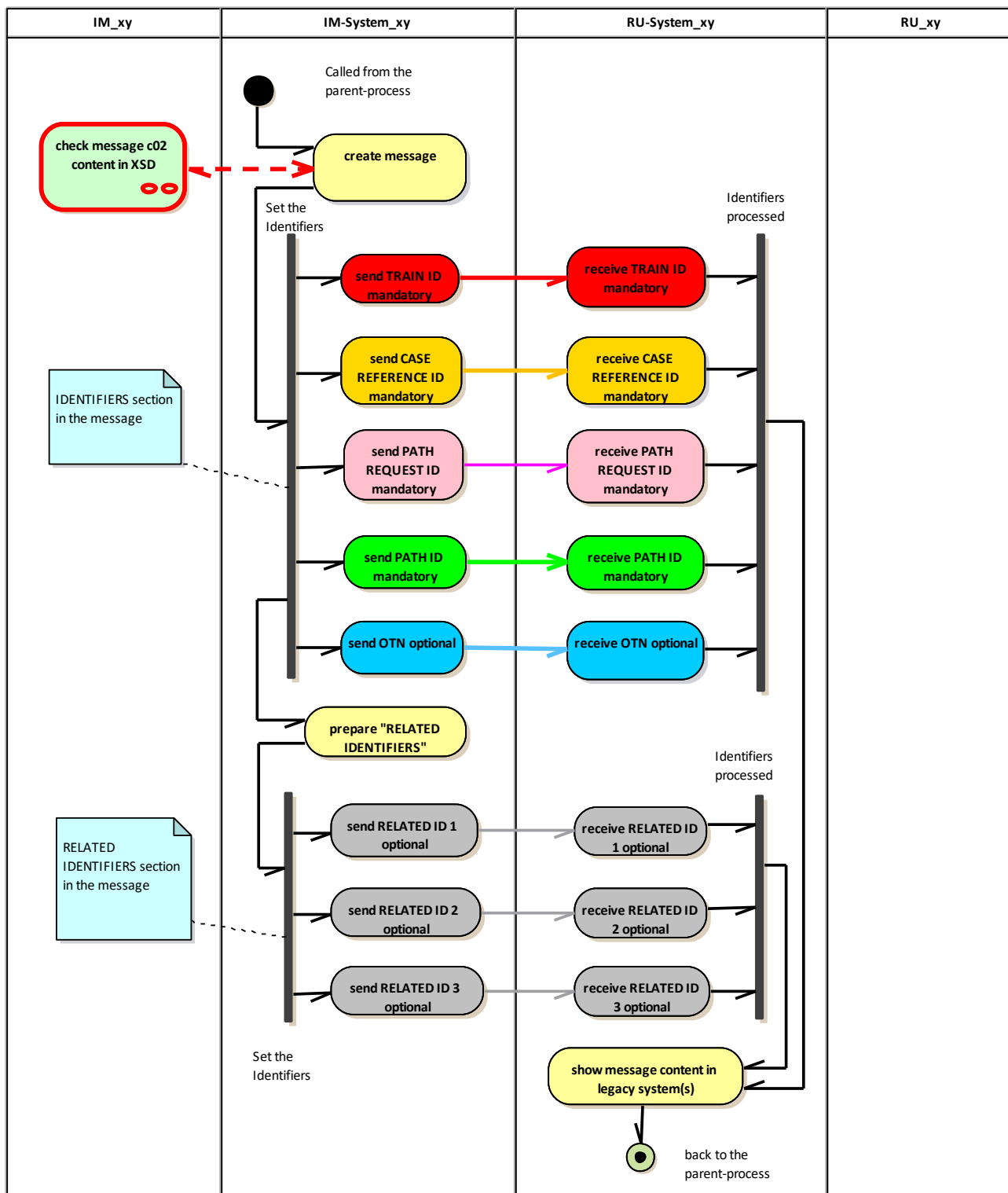


Figure 159: c02-SendMessage- IM-RU -TR_m-CR_m- PR_m- PA_m-OTN_o-RelID_o

c03-SendMessage- RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o diagram

Activity diagram in package 'Common'

c03-SendMessage- RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o
Version 1.0

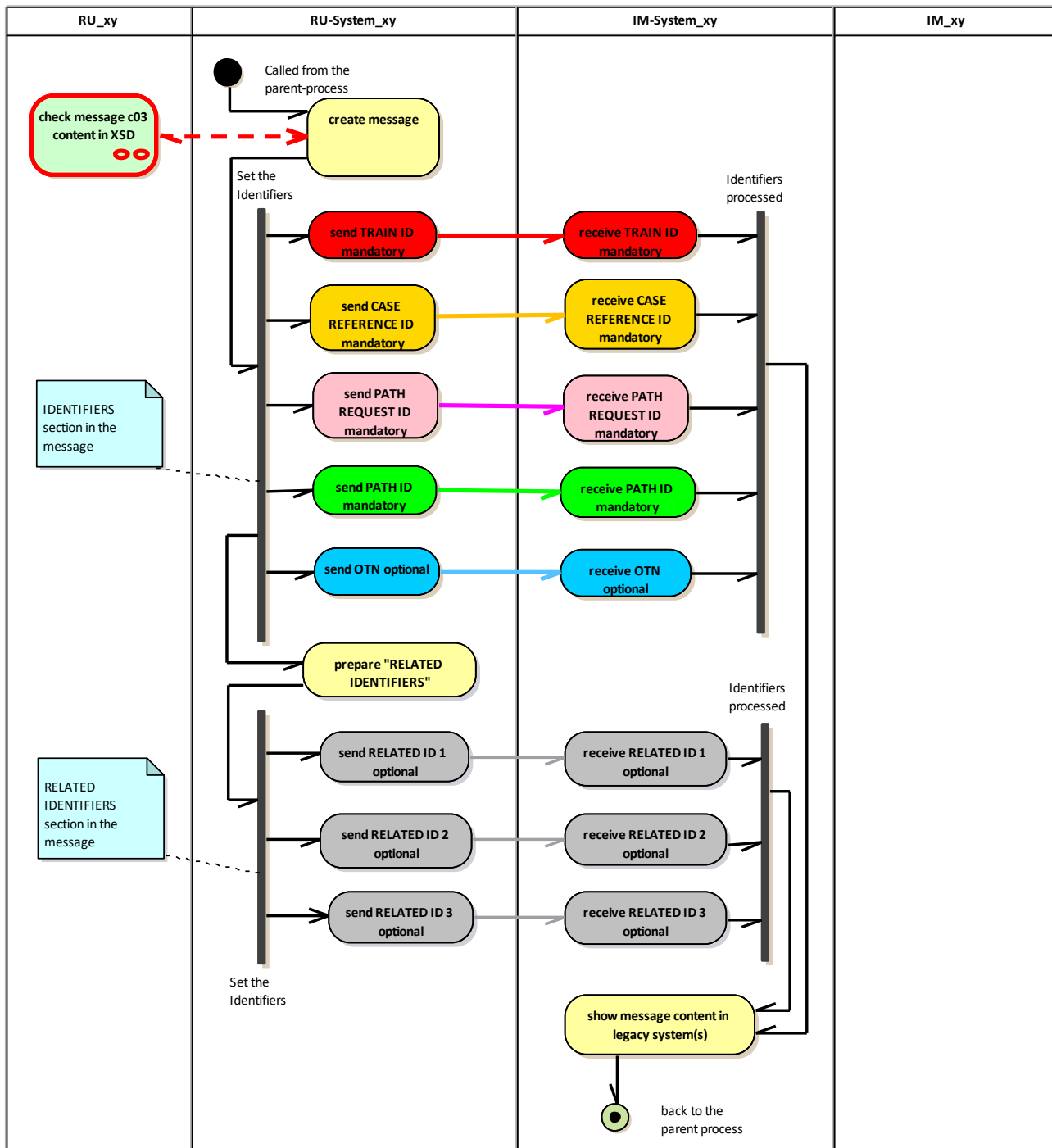


Figure 160: c03-SendMessage- RU-IM -TR_m-CR_m- PR_m-PA_m-OTN_o-RelID_o

c04-SendMessage- RU-IM -TR_m-PA_m-OTN_o diagram

Activity diagram in package 'Common'

c04-SendMessage- RU-IM -TR_m-PA_m-OTN_o
Version 1.0

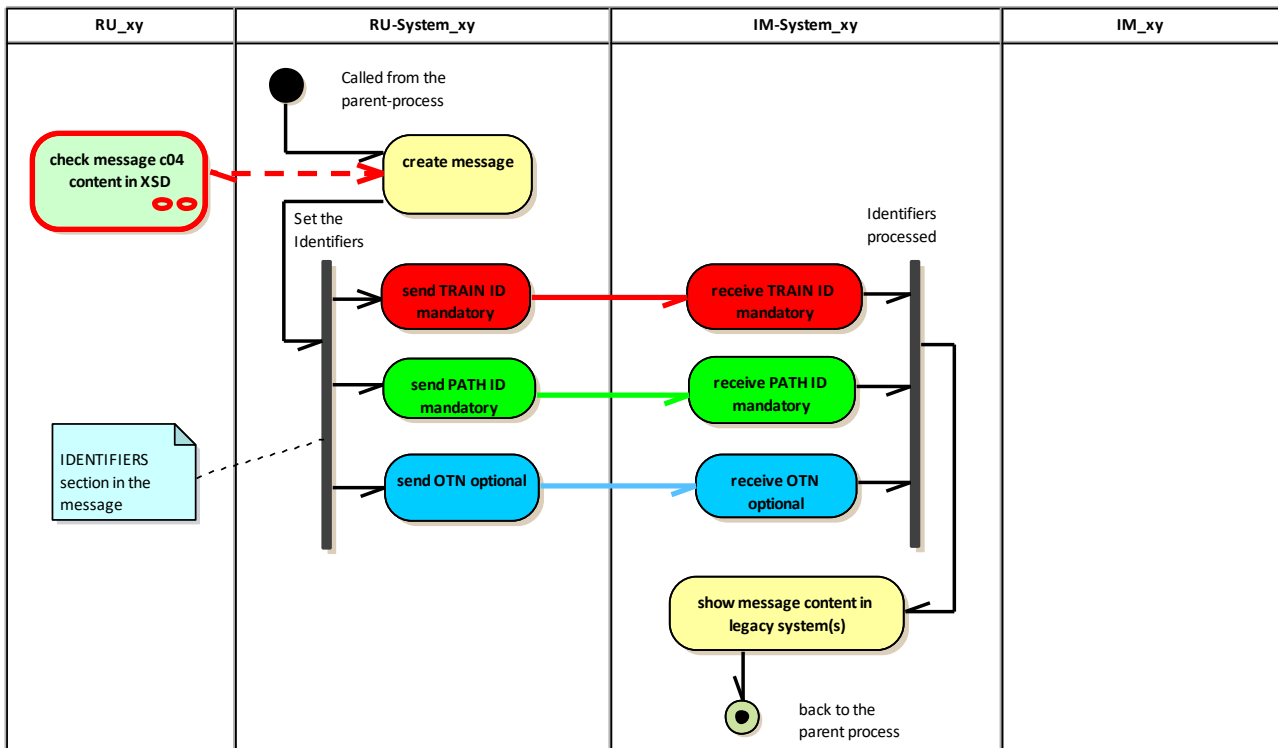


Figure 161: c04-SendMessage- RU-IM -TR_m-PA_m-OTN_o

c05-SendMessage- IM-RU -TR_m-PA_m-OTN_o diagram

Activity diagram in package 'Common'

c05-SendMessage- IM-RU -TR_m-PA_m-OTN_o
 Version 1.0
 Hantak created on 26.04.2013. Last modified 08.09.2013

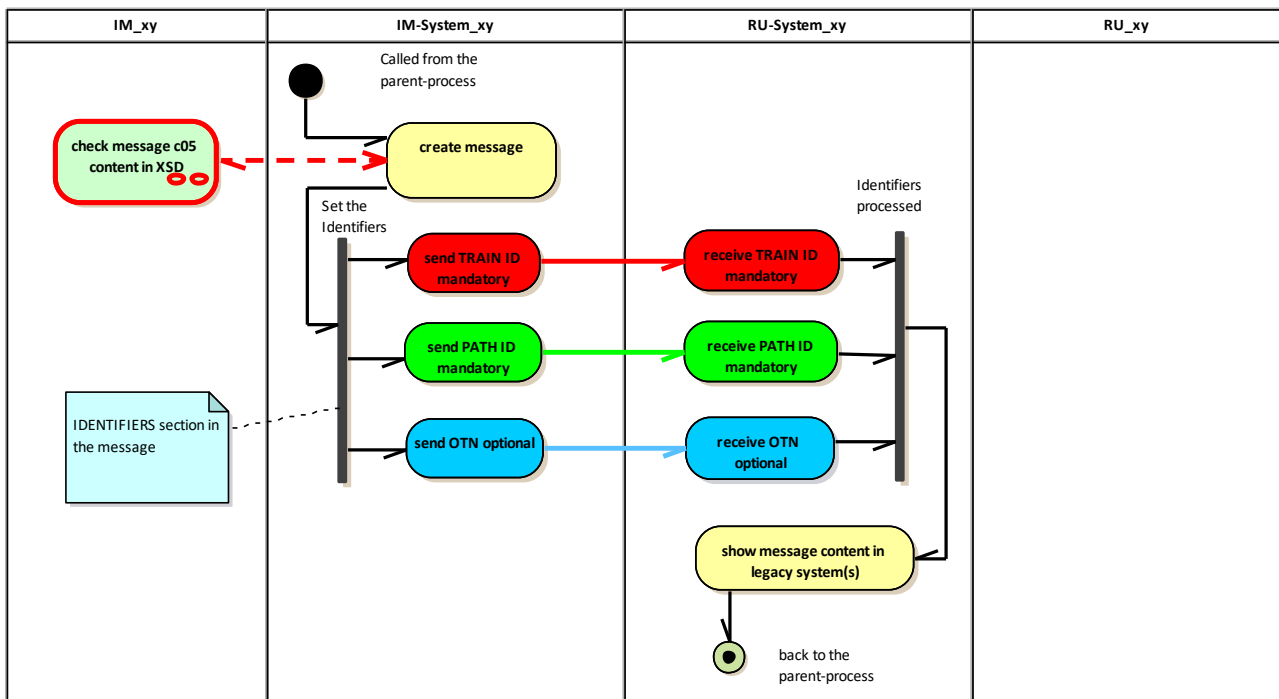


Figure 162: c05-SendMessage- IM-RU -TR_m-PA_m-OTN_o

c06-SendMessage- RU-IM -TR_m-CR_m-PR_m- PA_m(old)-OTN_o-RelID_o diagram
Activity diagram in package 'Common'

c06-SendMessage- RU-IM -TR_m-CR_m-PR_m- PA_m(old)-OTN_o-RelID_o
 Version 1.0
 Hantak created on 26.04.2013. Last modified 08.09.2013

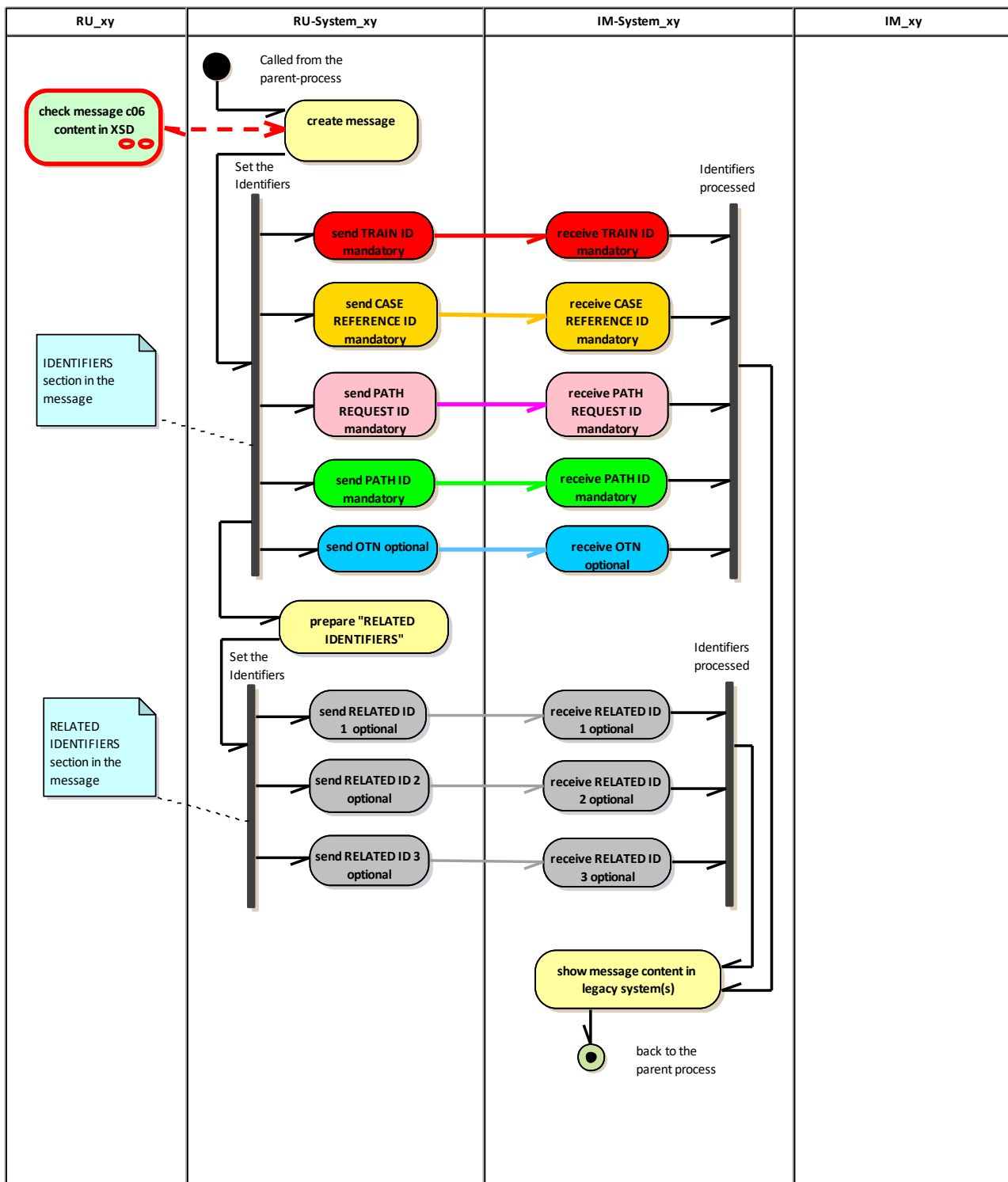


Figure 163: c06-SendMessage- RU-IM -TR_m-CR_m-PR_m- PA_m(old)-OTN_o-RelID_o

c07-SendMessage- RU-RU -TR_m-CR_m-PA_o-OTN_o diagram

Activity diagram in package 'Common'

c07-SendMessage- RU-RU -TR_m-CR_m-PA_o-OTN_o
Version 1.0

Hantak created on 26.04.2013. Last modified 08.09.2013

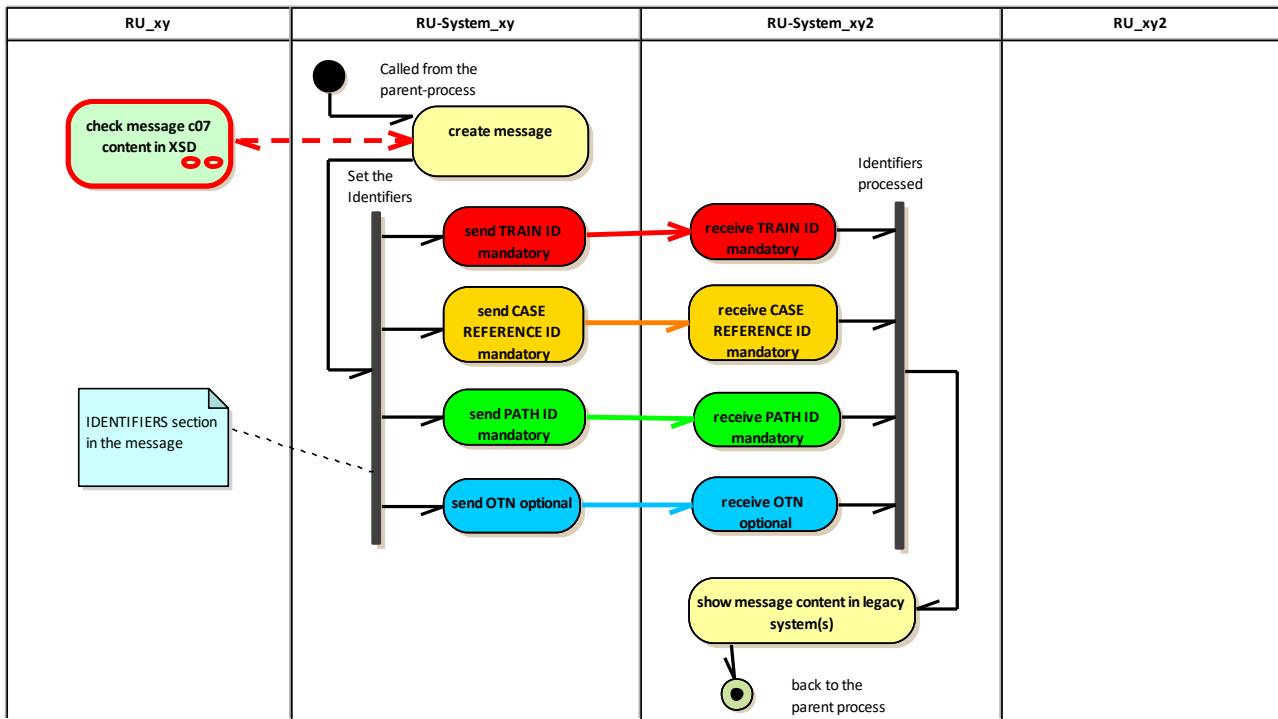


Figure 164: c07-SendMessage- RU-RU -TR_m-CR_m-PA_o-OTN_o

c08-SendMessage- RU-IM -TR_m-PA_r-OTN_r diagram

Activity diagram in package 'Common'

c08-SendMessage- RU-IM -TR_m-PA_r-OTN_r
Version 1.0

seid.magljalic created on 19.04.2013. Last modified 08.09.2013

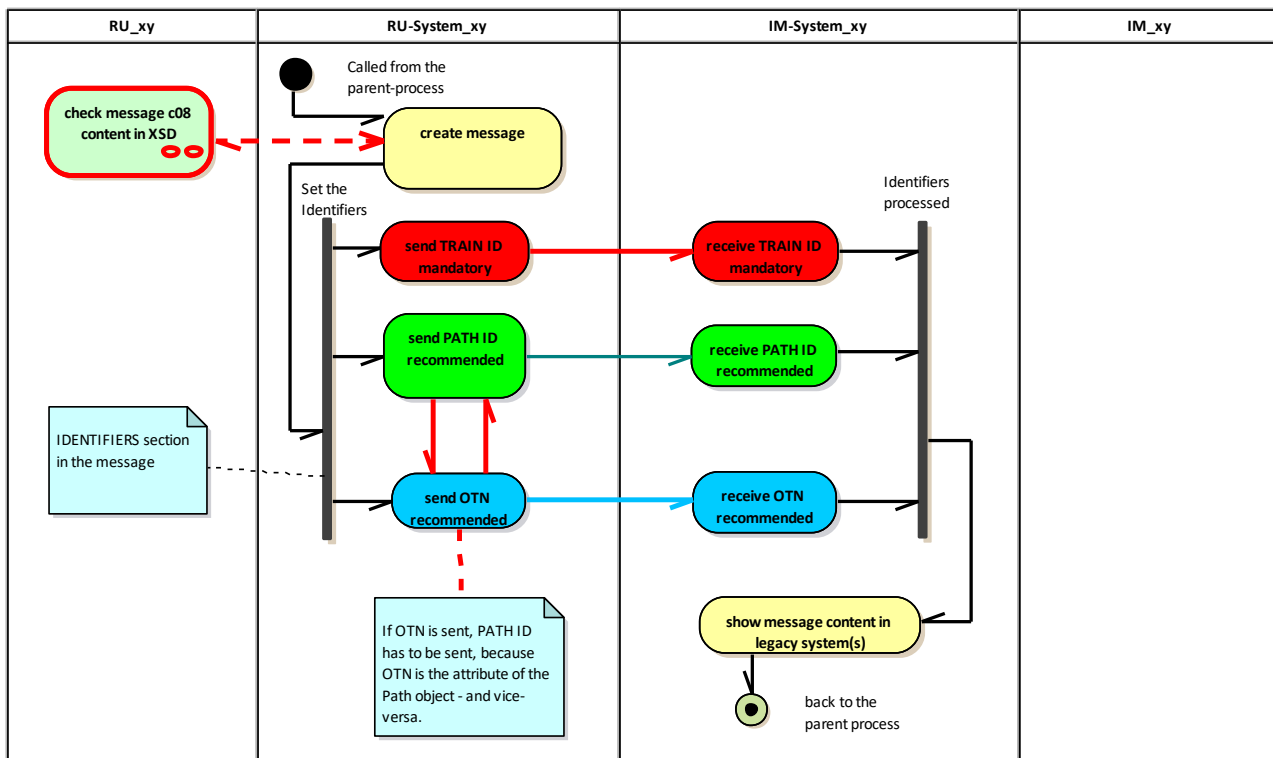


Figure 165: c08-SendMessage-RU-IM-TR_m-PA_r-OTN_r

Note

Note in package 'Common'

If OTN is sent, PATH ID has to be sent, because OTN is the attribute of the Path object - and vice-versa.

Note
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.04.2013. Last modified 19.04.2013
Extends

c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r diagram

Activity diagram in package 'Common'

c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r
Version 1.0
Hantak created on 26.04.2013. Last modified 28.11.2013

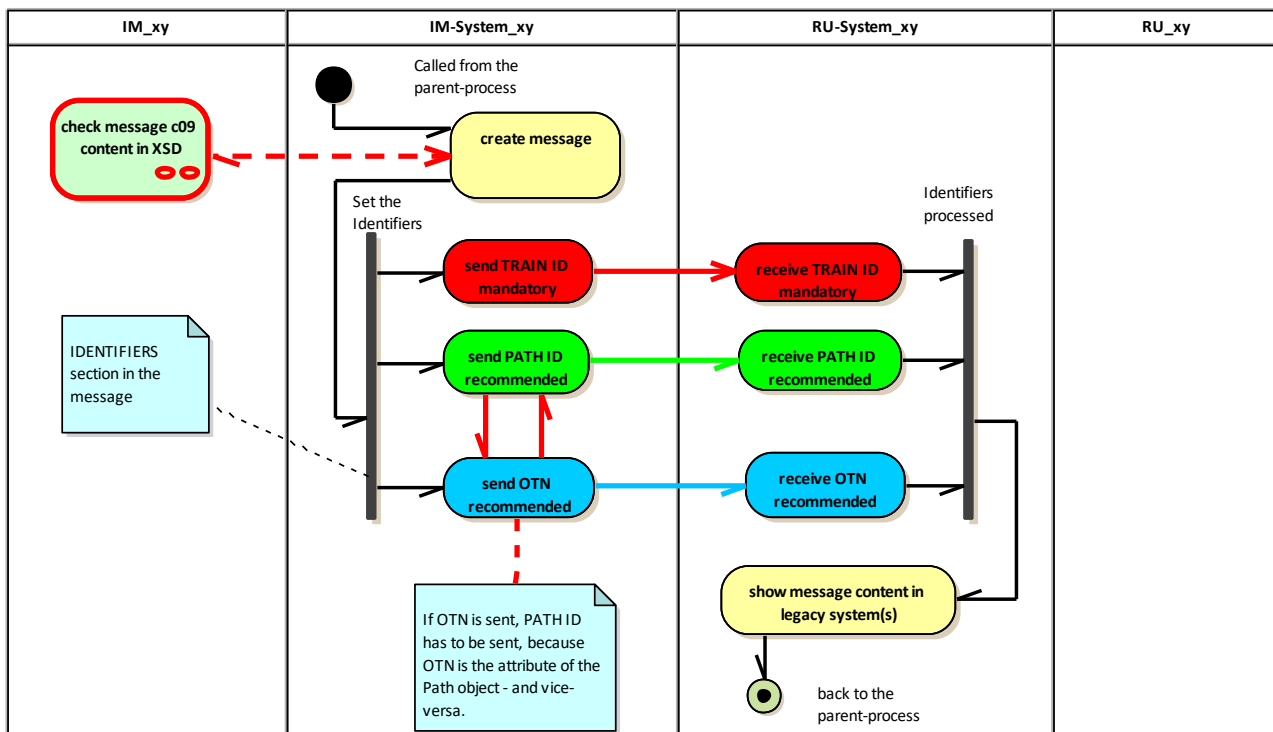


Figure 166: c09-SendMessage- IM-RU -TR_m-PA_r-OTN_r

Note

Note in package 'Common'

If OTN is sent, PATH ID has to be sent, because OTN is the attribute of the Path object - and vice-versa.

Note
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 06.05.2013. Last modified 21.05.2013
 Extends

c10-SendMessage- IM-RU -TR_m-PA_o-OTN_m diagram

Activity diagram in package 'Common'

c10-SendMessage- IM-RU -TR_m-PA_o-OTN_m
 Version 1.0
 Hantak created on 26.04.2013. Last modified 08.09.2013

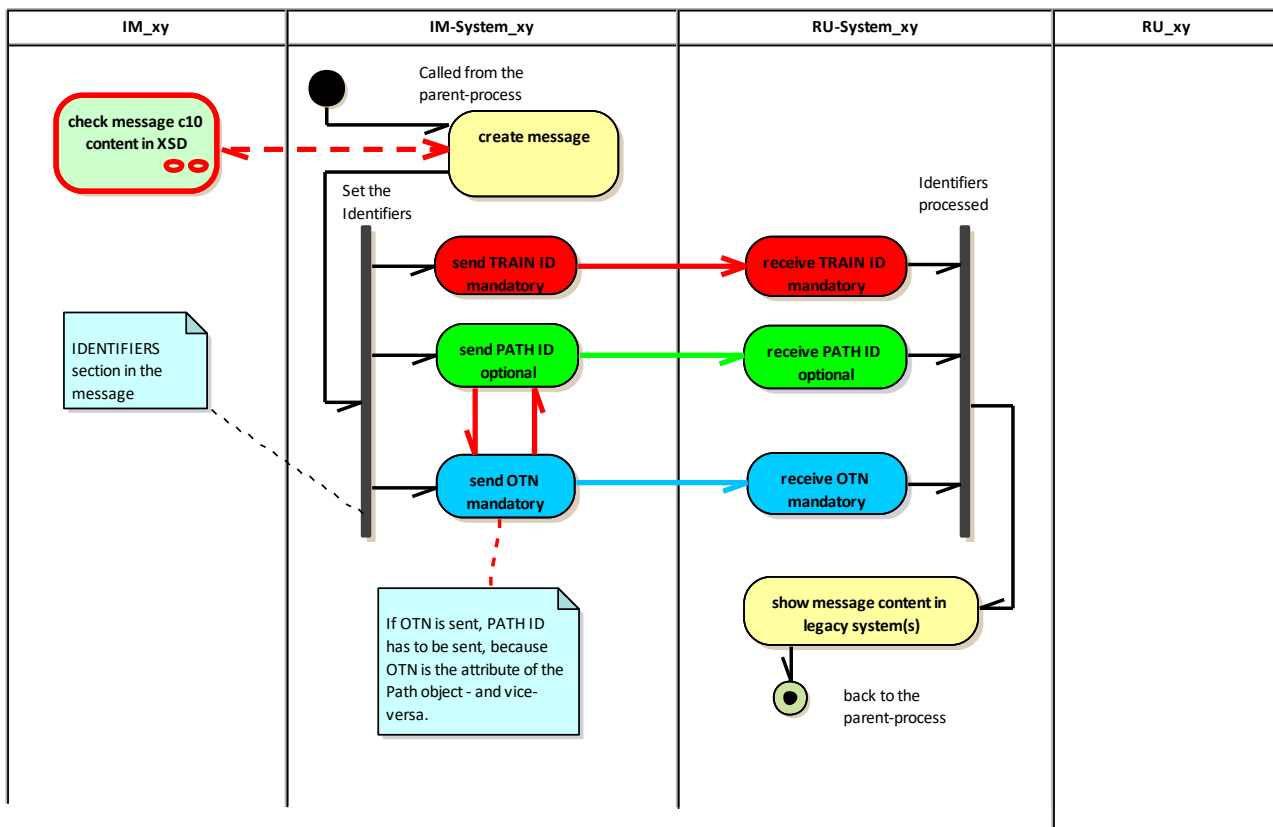


Figure 167: c10-SendMessage- IM-RU -TR_m-PA_o-OTN_m

Note

Note in package 'Common'

If OTN is sent, PATH ID has to be sent, because OTN is the attribute of the Path object - and vice-versa.

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.05.2013. Last modified 06.05.2013
Extends

c11-SendMessage- RU-IM -TR_m-CR_o-PA_m-OTN_m diagram

Activity diagram in package 'Common'

c11-SendMessage- RU-IM -TR_m-CR_o-PA_m-OTN_m
Version 1.0
Hantak created on 26.04.2013. Last modified 08.09.2013

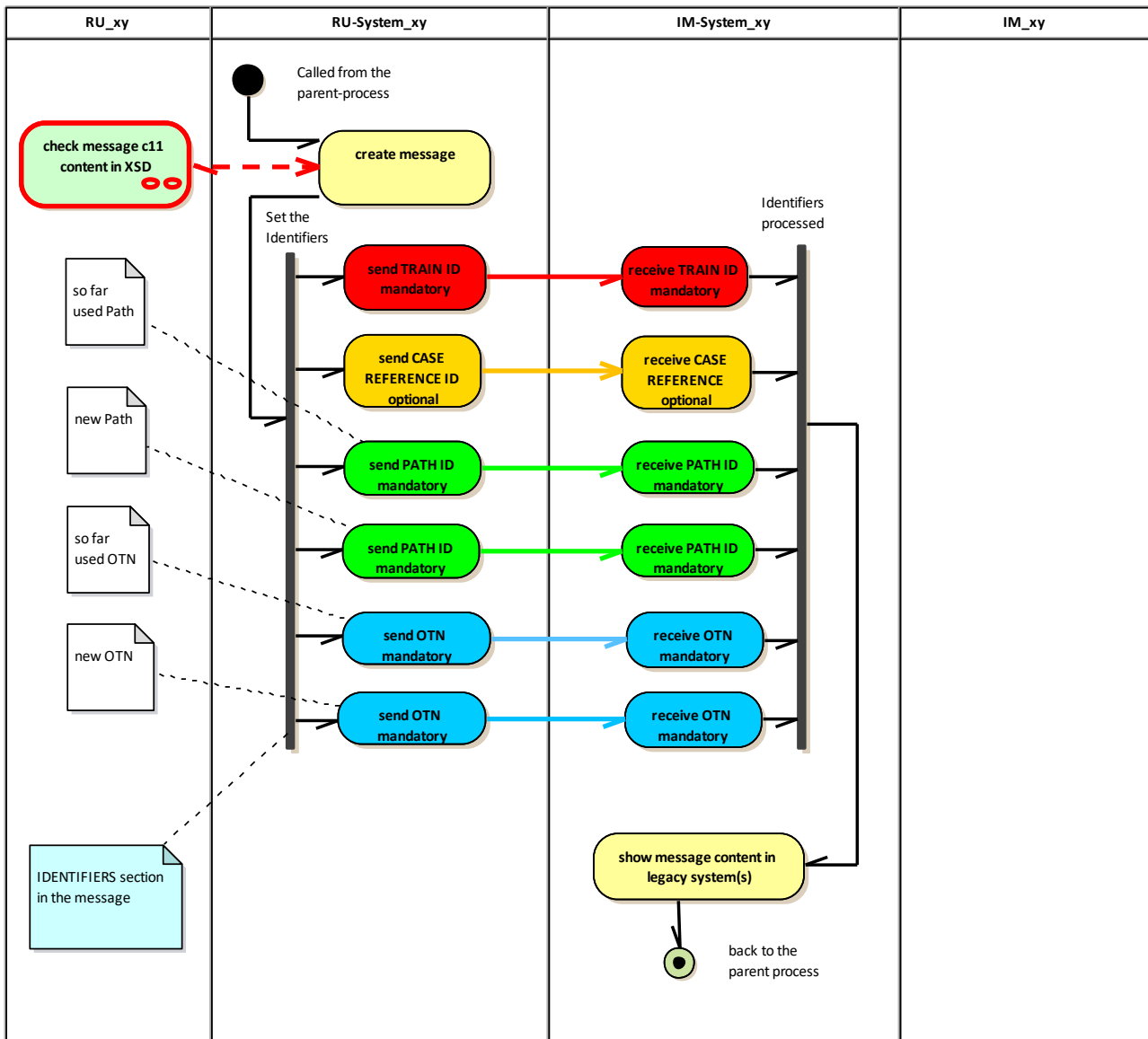


Figure 168: c11-SendMessage- RU-IM -TR_m-CR_o-PA_m-OTN_m

c12-SendMessage- IM-RU -TR_m-CR_o-PA_m-OTN_m diagram

Activity diagram in package 'Common'

c12-SendMessage- IM-RU -TR_m-CR_o-PA_m-OTN_m

Version 1.0

Hantak created on 02.05.2013. Last modified 08.09.2013

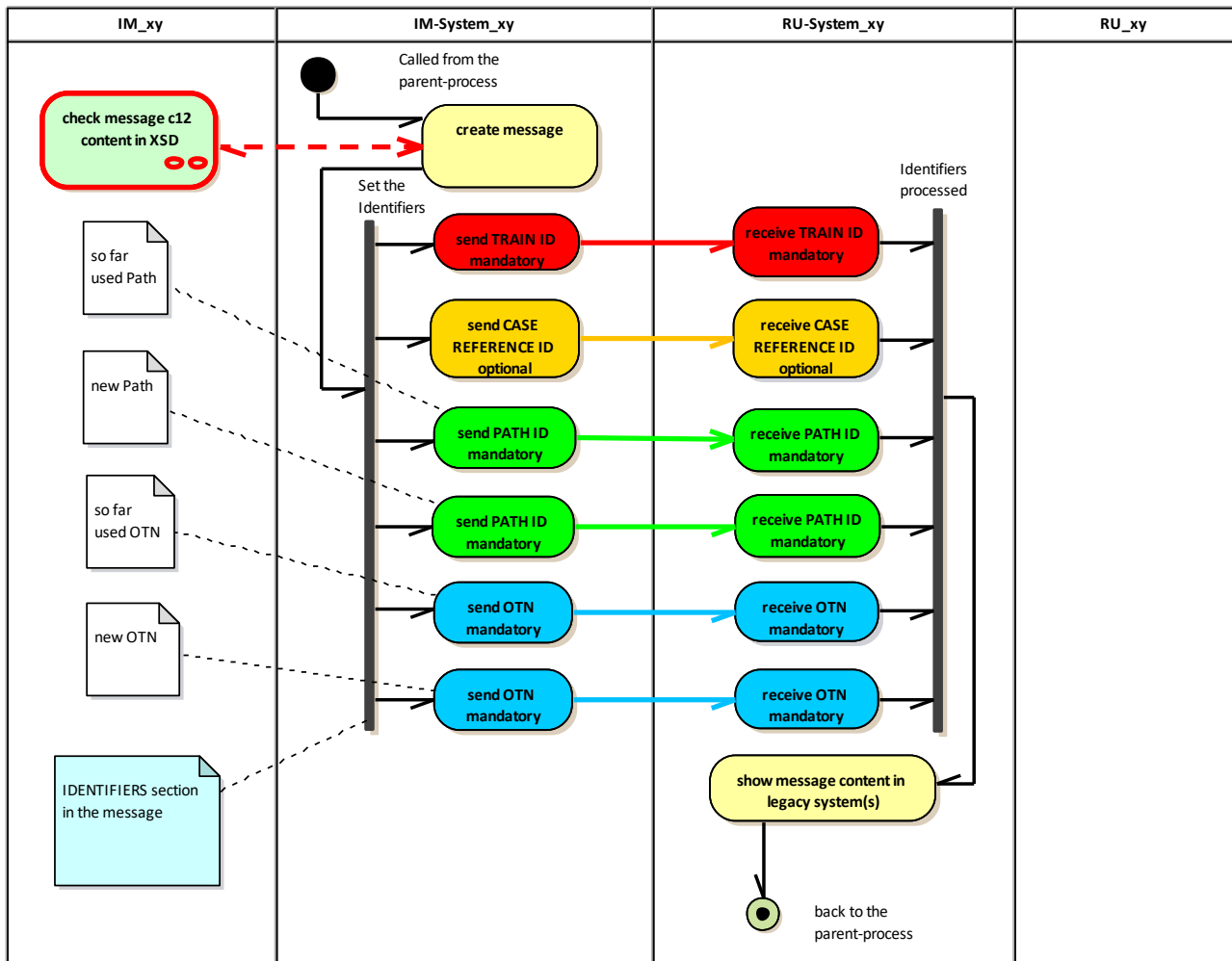


Figure 169: c12-SendMessage- IM-RU -TR_m-CR_o-PA_m-OTN_m

Note

Note in package 'Common'

so far used Path

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 17.06.2013
Extends

Note

Note in package 'Common'

new Path

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 17.06.2013
Extends

Note

Note in package 'Common'

so far used OTN

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 17.06.2013
Extends

Note

Note in package 'Common'

new OTN

Note
Version 1.0 Phase 1.0 Proposed
Hantak created on 17.06.2013. Last modified 17.06.2013
Extends

c13-SendMessage- RU-IM -TR_m-CR_o-PA_m-OTN_o-RelID_o diagram

Activity diagram in package 'Common'

c13-SendMessage- RU-IM -TR_m-CR_o-PA_m-OTN_o-RelID_o
Version 1.0
Hantak created on 02.05.2013. Last modified 08.09.2013

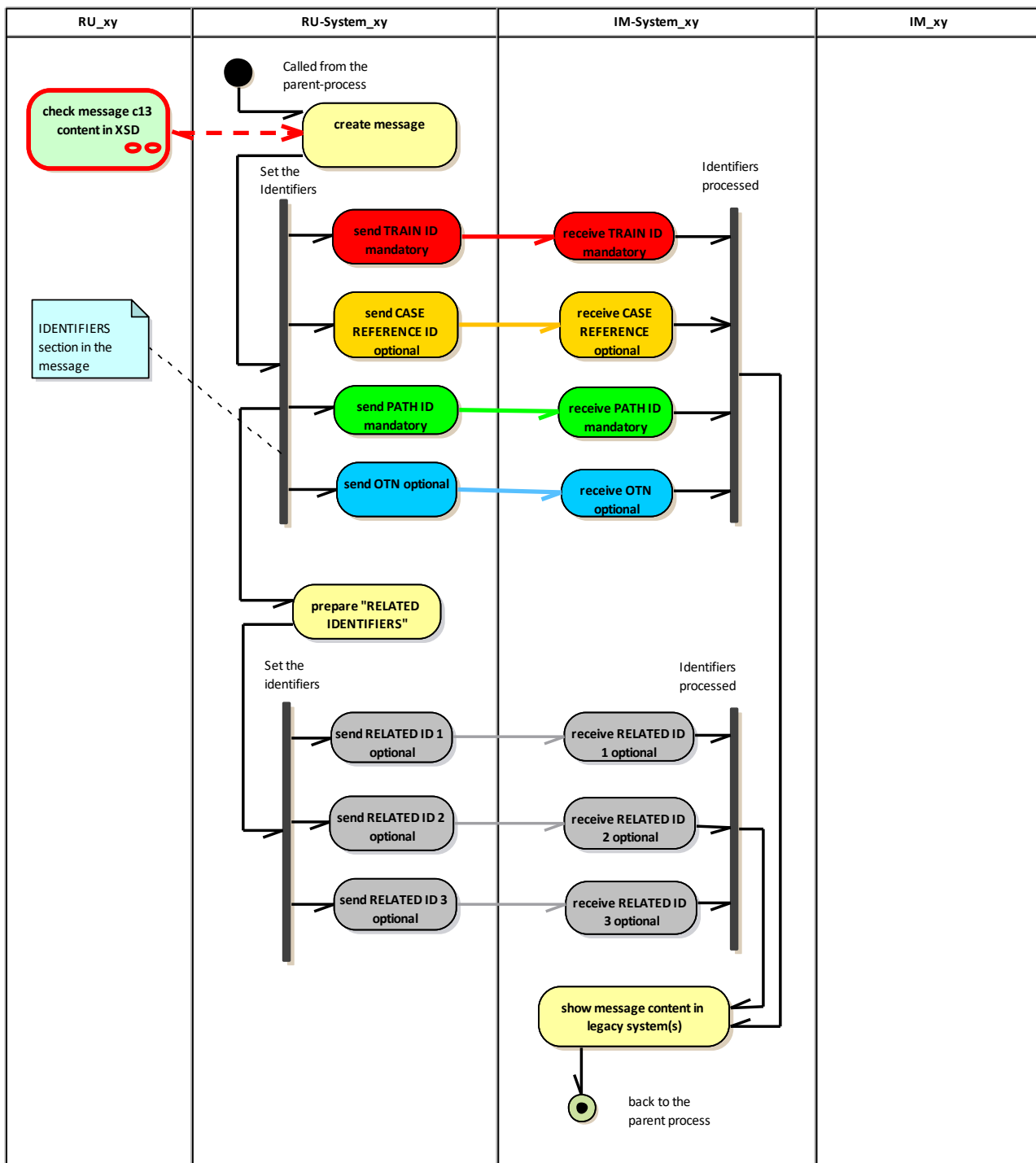


Figure 170: c13-SendMessage- RU-IM -TR_m-CR_o-PA_m-OTN_o-RelID_o

c14-SendMessage- IM-RU -TR_m-CR_o-PR_m-PA_m-OTN_m-RelID_o diagram

Activity diagram in package 'Common'

c14-SendMessage- IM-RU -TR_m-CR_o-PR_m-PA_m-OTN_m-RelID_o
Version 1.0

Hantak created on 02.05.2013. Last modified 08.09.2013

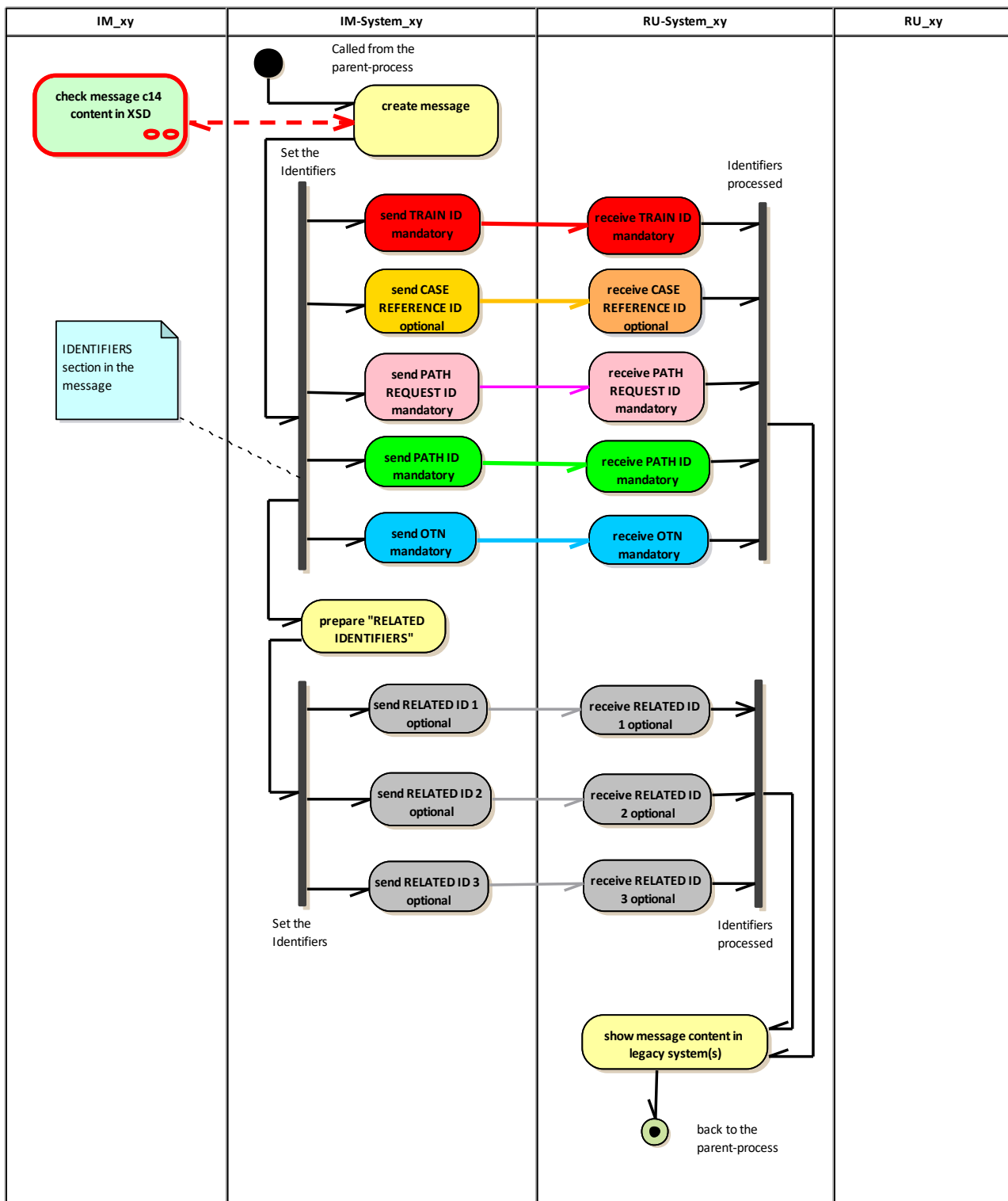


Figure 171: c14-SendMessage- IM-RU -TR_m-CR_o-PR_m-PA_m-OTN_m-RelID_o

c15-SendMessage- RU-IM -TR_m-CR_o-PR_m-PA_m-OTN_m-RelID_o diagram

Activity diagram in package 'Common'

c15-SendMessage- RU-IM -TR_m-CR_o-PR_m-PA_m-OTN_m-RelID_o
 Version 1.0
 Hantak created on 02.05.2013. Last modified 08.09.2013

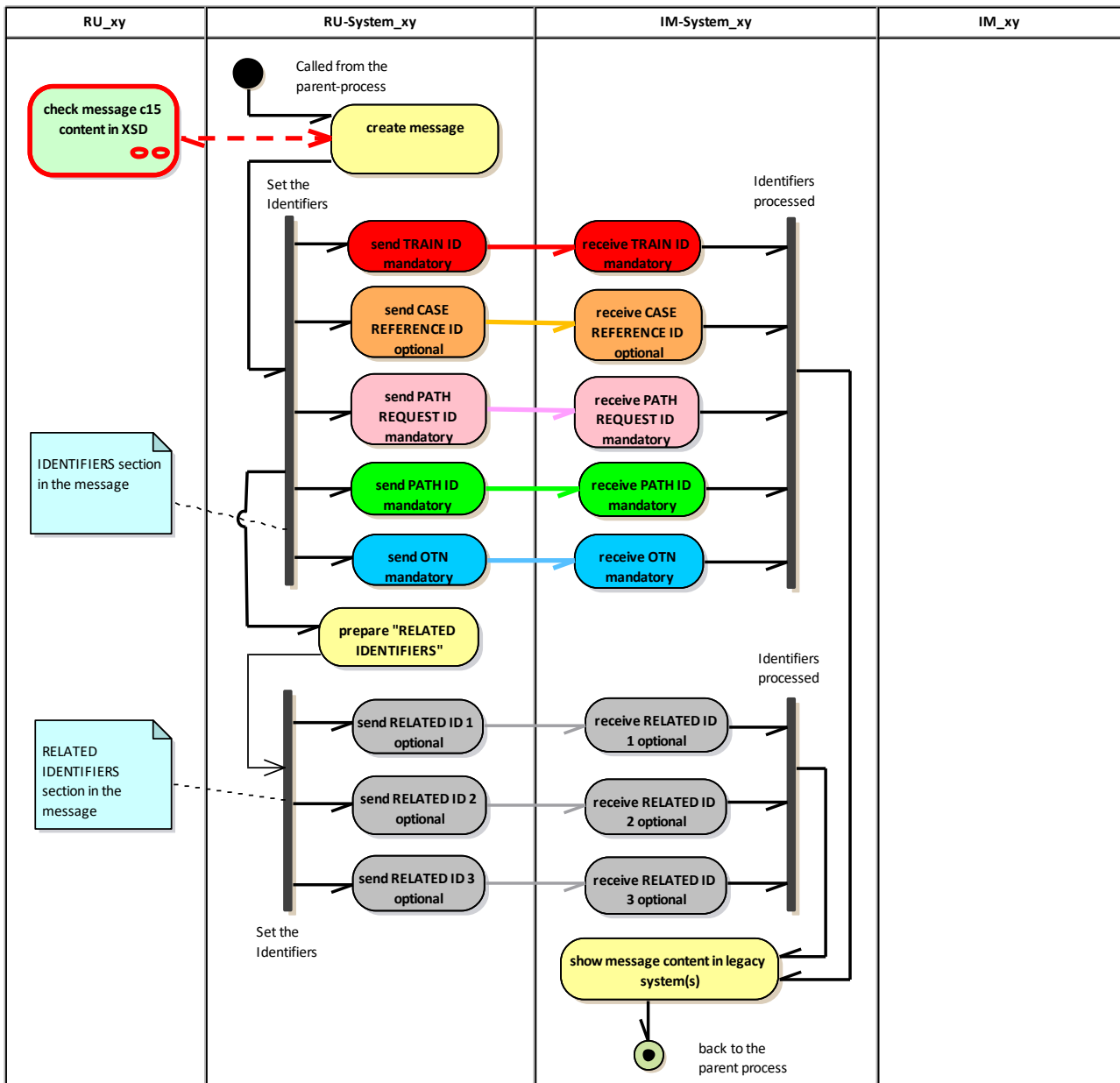


Figure 172: c15-SendMessage- RU-IM -TR_m-CR_o-PR_m-PA_m-OTN_m-RelID_o

c16-SendMessage- RU-IM -TR_m-PA_m-OTN_m diagram

Activity diagram in package 'Common'

c16-SendMessage- RU-IM -TR_m-PA_m-OTN_m
Version 1.0

Hantak created on 02.05.2013. Last modified 08.09.2013

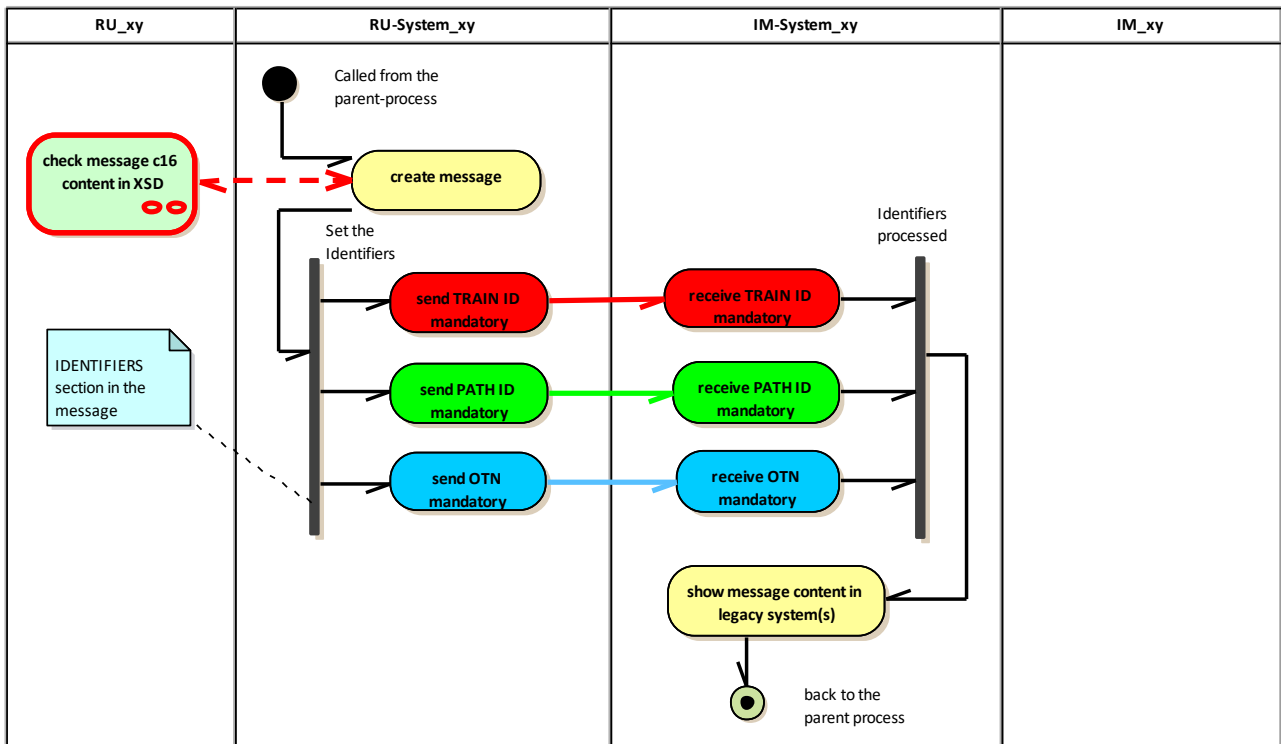


Figure 173: c16-SendMessage- RU-IM -TR_m-PA_m-OTN_m

c17-SendMessage- IM-RU -TR_m-PA_m-OTN_m diagram

Activity diagram in package 'Common'

c17-SendMessage- IM-RU -TR_m-PA_m-OTN_m
Version 1.0

Hantak created on 02.05.2013. Last modified 08.09.2013

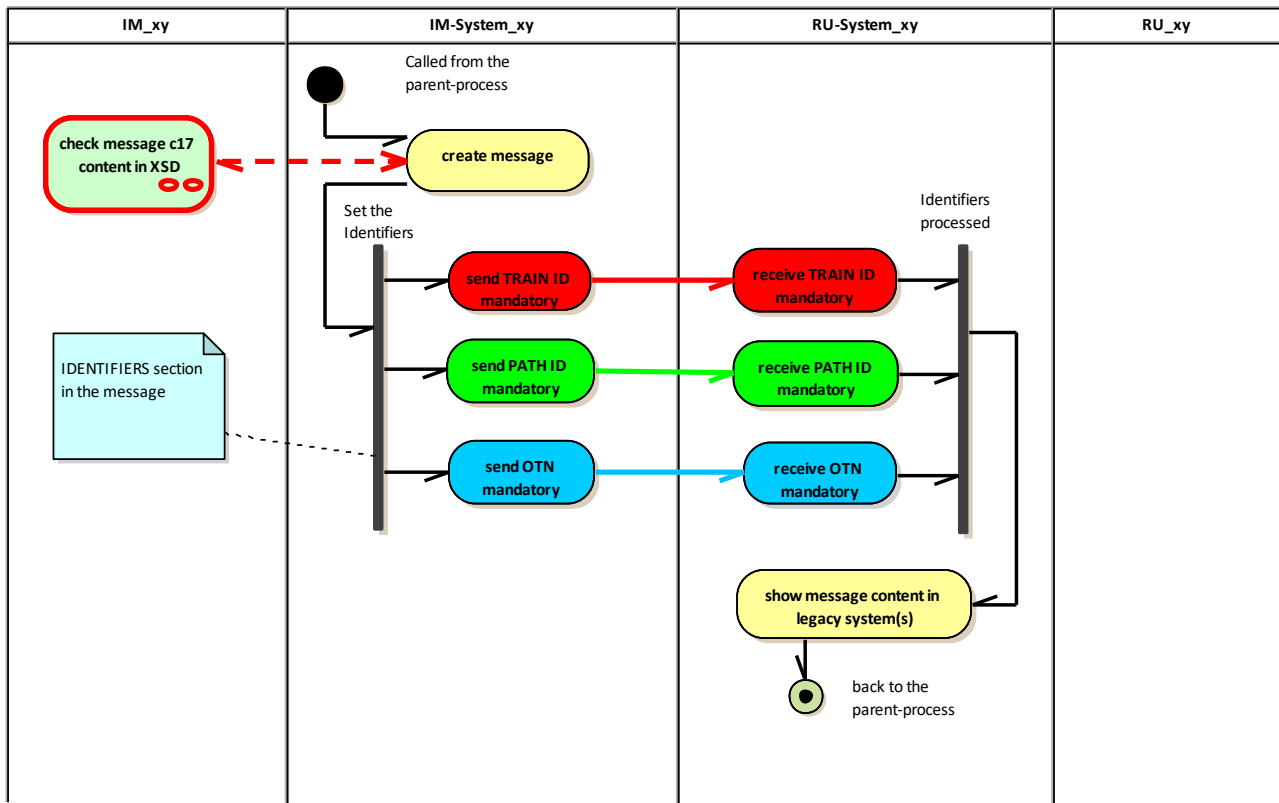


Figure 174: c17-SendMessage- IM-RU -TR_m-PA_m-OTN_m

c18-SendMessage- RU-IM -TR_m-CR_o-PA_m-OTN_o diagram

Activity diagram in package 'Common'

c18-SendMessage- RU-IM -TR_m-CR_o-PA_m-OTN_o
Version 1.0

Hantak created on 02.05.2013. Last modified 08.09.2013

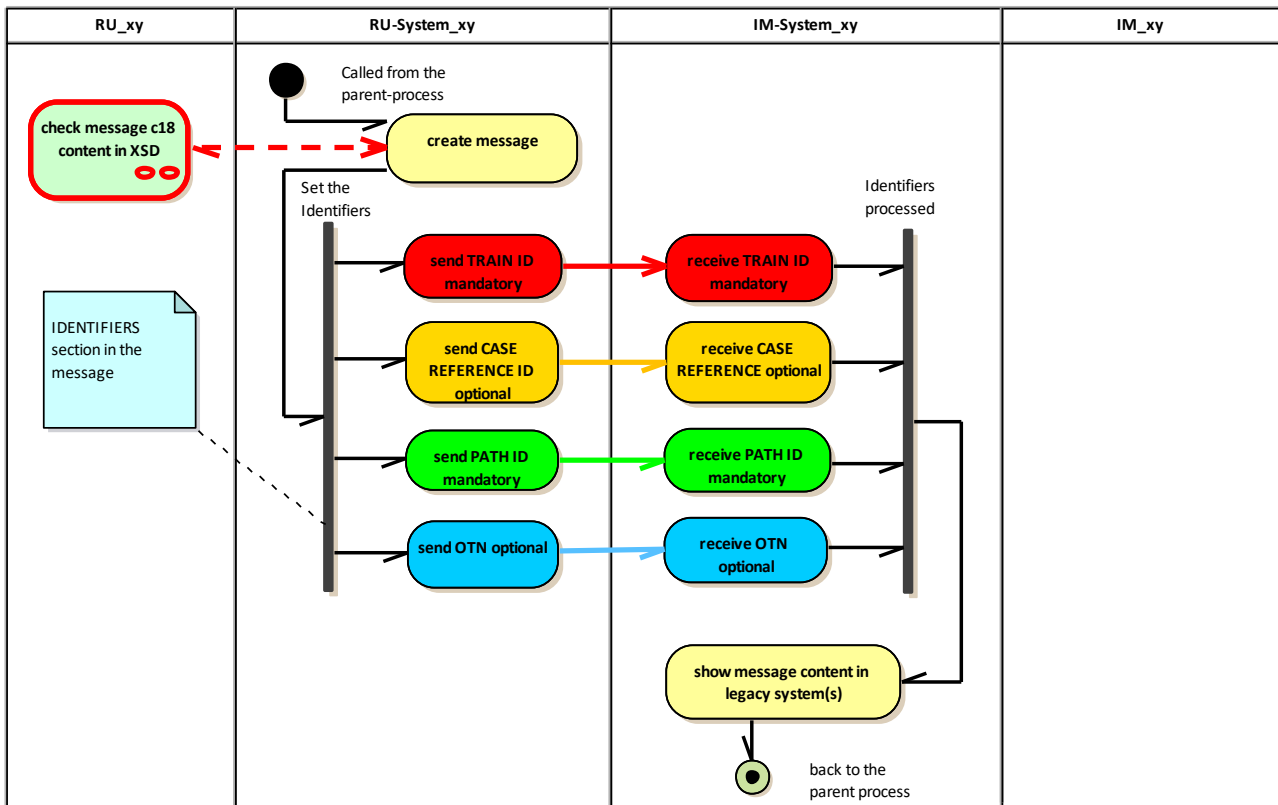


Figure 175: c18-SendMessage- RU-IM -TR_m-CR_o-PA_m-OTN_o

c19-SendMessage- RU-IM -CR_o-PA_m-OTN_o diagram

Activity diagram in package 'Common'

c19-SendMessage- RU-IM -CR_o-PA_m-OTN_o
 Version 1.0
 Hantak created on 02.05.2013. Last modified 08.09.2013

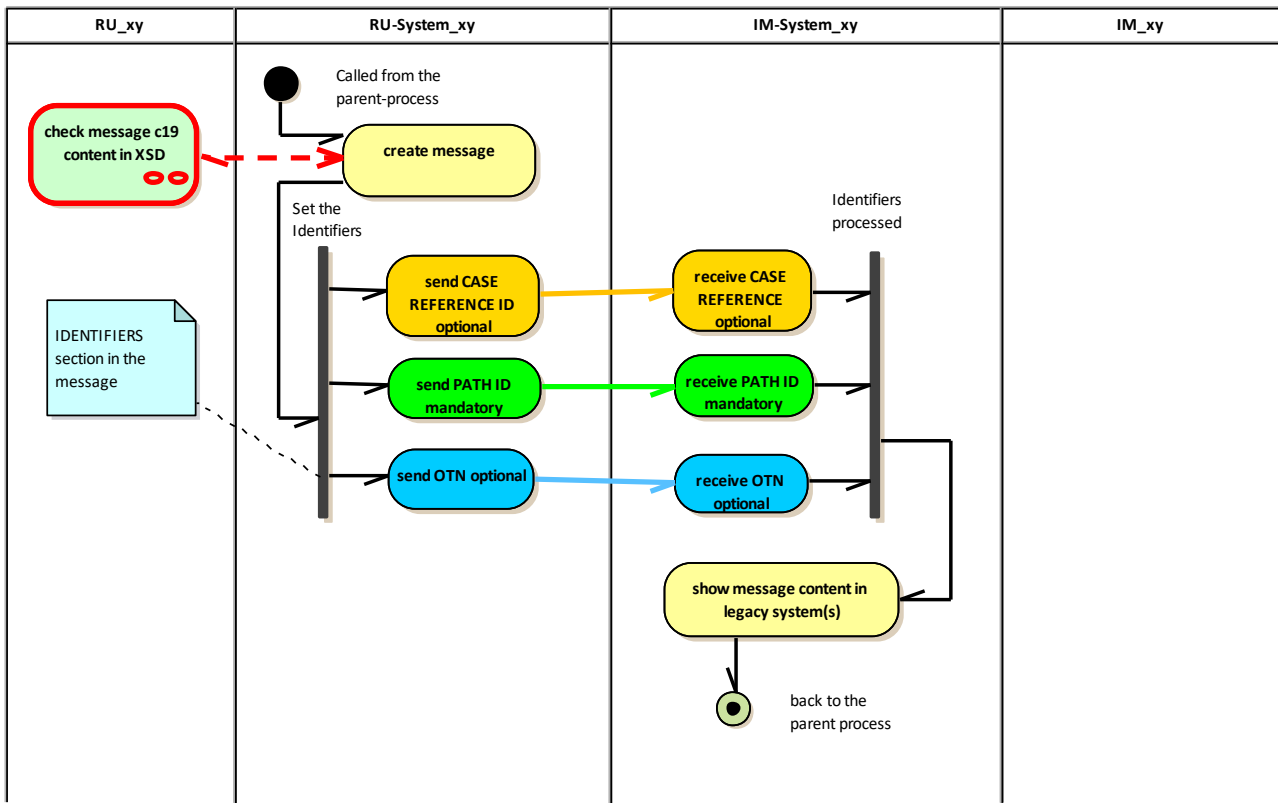


Figure 176: c19-SendMessage- RU-IM -CR_o-PA_m-OTN_o

c20-SendMessage- RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o diagram

Activity diagram in package 'Common'

c20-SendMessage- RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o
Version 1.0

Hantak created on 20.05.2013. Last modified 08.09.2013

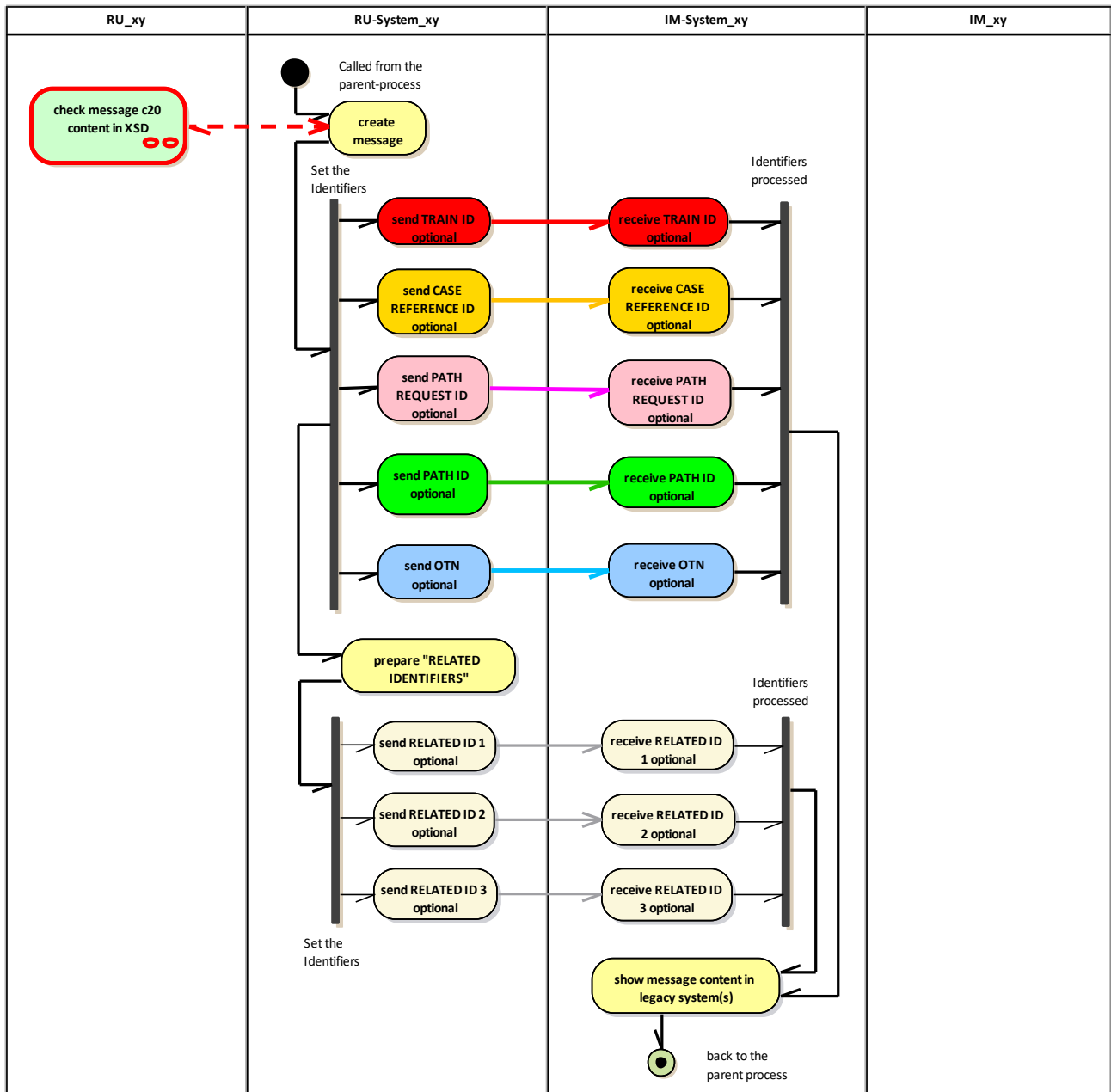


Figure 177: c20-SendMessage- RU-IM -TR_o-CR_o-PR_o-PA_o-OTN_o

c21-SendMessage- IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o diagram

Activity diagram in package 'Common'

c21-SendMessage- IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

Version 1.0

Hantak created on 21.05.2013. Last modified 08.09.2013

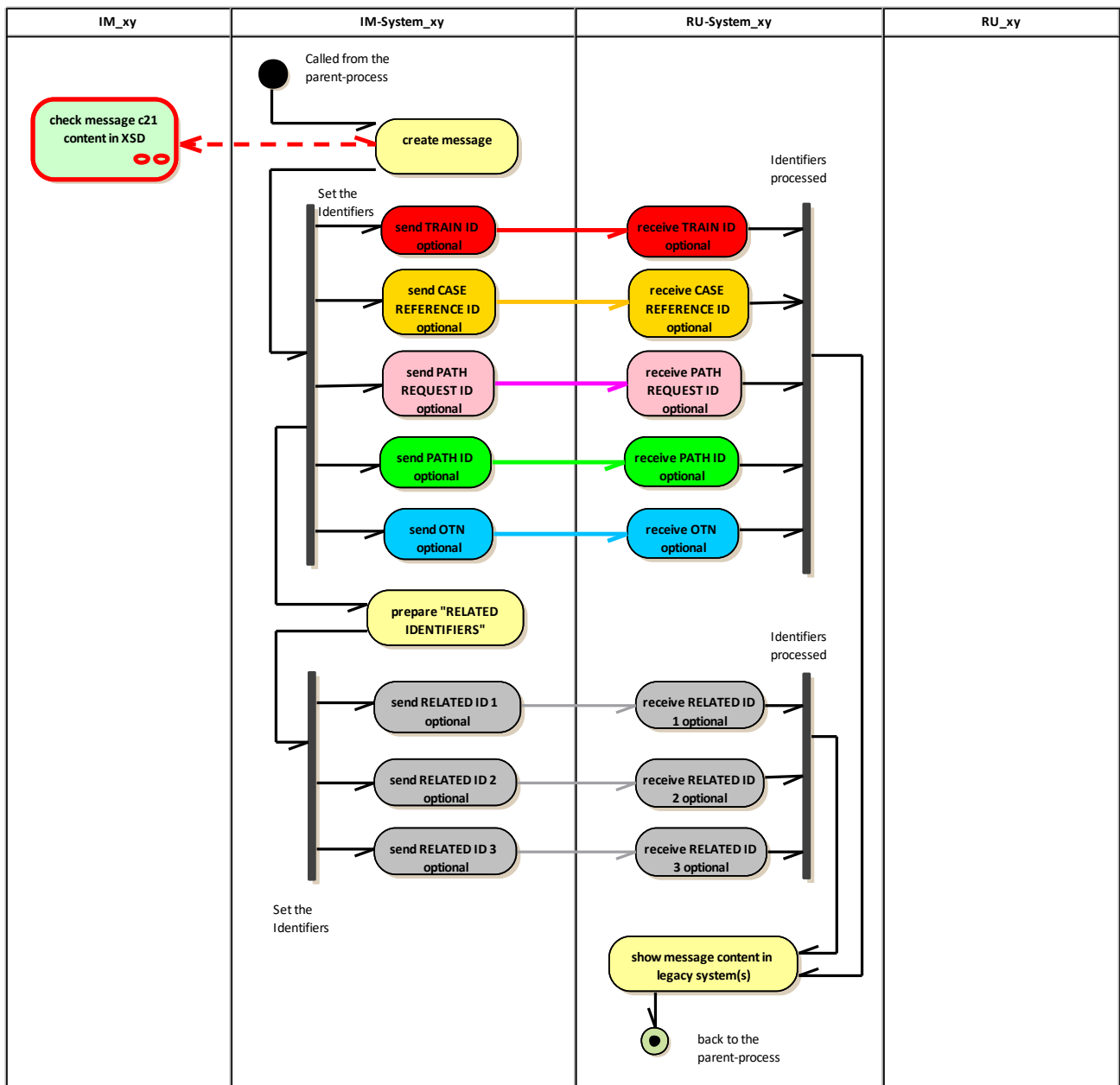


Figure 178: c21-SendMessage- IM-RU -TR_o-CR_o-PR_o-PA_o-OTN_o

4.10 PathAlteration Activity

Activity in package 'Common'

4.10 PathAlteration Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 06.09.2013. Last modified 08.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from Train cancellation with remaining path in hand of RU possible to 4.10 PathAlteration Activity
⇒ ControlFlow from No train cancellation with remaining path in hand of RU possible to 4.10 PathAlteration Activity


INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from using following BS no before existing additional path is necessary to 4.10 PathAlteration Activity</p>

4.11 PathModification Activity

Activity in package 'Common'

4.11 PathModification Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.09.2013. Last modified 08.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from No train cancellation with remaining path in hand of RU possible to 4.11 PathModification Activity</p>
<p>⇒ ControlFlow from Train cancellation with remaining path in hand of RU possible to 4.11 PathModification Activity</p>
<p>⇒ ControlFlow from using following BS no before existing additional path is necessary to 4.11 PathModification Activity</p>

CONNECTORS
<p> Dependency Source -> Destination</p> <p>From: Train cancellation with remaining path in hand of RU possible : Activity, Public</p> <p>To: 4.11 PathModification Activity : Activity, Public</p>

4.12 TrainModification Activity

Activity in package 'Common'

4.12 TrainModification Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.09.2013. Last modified 08.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from No train cancellation with remaining path in hand of RU possible to 4.12 TrainModification Activity</p>
<p>⇒ ControlFlow from using following BS no before existing additional path is necessary to 4.12 TrainModification Activity</p>
<p>⇒ ControlFlow from Train cancellation with remaining path in hand of RU possible to 4.12 TrainModification Activity</p>

4.13 TrainComposition Activity

Activity in package 'Common'

4.13 TrainComposition Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 06.09.2013. Last modified 08.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from other path(s) not necessary to 4.13 TrainComposition Activity</p>

4.14 TrainReady Activity

Activity in package 'Common'

4.14 TrainReady Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 06.09.2013. Last modified 06.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from other path(s) not necessary to 4.14 TrainReady Activity</p>

4.14 TrainReady Activity

Activity in package 'Common'

4.14 TrainReady Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 08.09.2013. Last modified 08.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from other path(s) not necessary to 4.14 TrainReady Activity</p>

4.15 TrainPosition Activity

Activity in package 'Common'

4.15 TrainPosition Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 06.09.2013. Last modified 08.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from other path(s) not necessary to 4.15 TrainPosition Activity</p>

4.16.2 Train Running Information Activity

Activity in package 'Common'

4.16.2 Train Running Information Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.09.2013. Last modified 08.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from other path(s) not necessary to 4.16.2 Train Running Information Activity

4.17.2 Train Running Forecast Activity

Activity in package 'Common'

4.17.2 Train Running Forecast Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.09.2013. Last modified 08.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from other path(s) not necessary to 4.17.2 Train Running Forecast Activity

4.18.2 Train Delay Performance Activity

Activity in package 'Common'

4.18.2 Train Delay Performance Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.09.2013. Last modified 08.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from other path(s) not necessary to 4.18.2 Train Delay Performance Activity

4.19.2 Train Forecast at Reporting Location Activity

Activity in package 'Common'

4.19.2 Train Forecast at Reporting Location Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.09.2013. Last modified 08.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from other path(s) not necessary to 4.19.2 Train Forecast at Reporting Location Activity

4.20 Train Running Interrupted Activity

Activity in package 'Common'

4.20 Train Running Interrupted Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.09.2013. Last modified 08.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from other path(s) not necessary to 4.20 Train Running Interrupted Activity

4.21 Train Delay Cause Activity

Activity in package 'Common'

4.21 Train Delay Cause Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.09.2013. Last modified 08.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from other path(s) not necessary to 4.21 Train Delay Cause Activity

4.22 Train Parking Activity

Activity in package 'Common'

4.22 Train Parking Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.09.2013. Last modified 08.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from other path(s) not necessary to 4.22 Train Parking Activity

4.23 Train rerouted-without new path-same OTN Activity

Activity in package 'Common'

4.23 Train rerouted-without new path-same OTN Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.09.2013. Last modified 08.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from other path(s) not necessary to 4.23 Train rerouted-without new path-same OTN Activity

4.24 Train rerouted-without new path-changed OTN Activity

Activity in package 'Common'

4.24 Train rerouted-without new path-changed OTN Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.09.2013. Last modified 08.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from other path(s) not necessary to 4.24 Train rerouted-without new path-changed OTN Activity

4.25 Train early/delayed-without new path-same OTN Activity

Activity in package 'Common'

4.25 Train early/delayed-without new path-same OTN Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.09.2013. Last modified 08.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from other path(s) not necessary to 4.25 Train early/delayed-without new path-same OTN Activity

4.26 Train early/delayed-without new path-changed OTN Activity

Activity in package 'Common'

4.26 Train early/delayed-without new path-changed OTN Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.09.2013. Last modified 08.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from other path(s) not necessary to 4.26 Train early/delayed-without new path-changed OTN Activity

4.27 Train Shifting to an existing path-changed OTN Activity

Activity in package 'Common'

4.27 Train Shifting to an existing path-changed OTN Activity
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.09.2013. Last modified 08.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from previous existing path necessary to 4.27 Train Shifting to an existing path-changed OTN Activity

4.28 Train Shifting to a new path-changed OTN Activity

Activity in package 'Common'

4.28 Train Shifting to a new path-changed OTN Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 06.09.2013. Last modified 08.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡ ControlFlow from other path(s) not necessary to 4.28 Train Shifting to a new path-changed OTN Activity</p>

4.29 Train Cancellation-Path remains in hand of RU Activity

Activity in package 'Common'

4.29 Train Cancellation-Path remains in hand of RU Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 08.09.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⬅ ControlFlow from 4.29 Train Cancellation-Path remains in hand of RU Activity to using following BS no before existing additional path is necessary</p>
<p>⬅ ControlFlow from 4.29 Train Cancellation-Path remains in hand of RU Activity to other path(s) are existing to be used</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>➡ ControlFlow from RU can ask for paths with and without giving a Train ID to 4.29 Train Cancellation-Path remains in hand of RU Activity</p>

4.29 Train Cancellation-Path remains in hand of RU Activity

Activity in package 'Common'

4.29 Train Cancellation-Path remains in hand of RU Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 08.09.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⬅ ControlFlow from 4.29 Train Cancellation-Path remains in hand of RU Activity to other path(s) are existing to be used</p>
<p>⬅ ControlFlow from 4.29 Train Cancellation-Path remains in hand of RU Activity to using following BS no before existing additional path is necessary</p>

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from RU can ask for path(s) only by giving a Train ID to 4.29 Train Cancellation-Path remains in hand of RU Activity

4.30 Train Cancellation-Path also cancelled by RU Activity

Activity in package 'Common'

4.30 Train Cancellation-Path also cancelled by RU Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 06.09.2013. Last modified 08.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from other path(s) not necessary to 4.30 Train Cancellation-Path also cancelled by RU Activity

4.9 ChangeofTrain Activity

Activity in package 'Common'

4.9 ChangeofTrain Activity
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 06.09.2013. Last modified 08.09.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Train cancellation with remaining path in hand of RU possible to 4.9 ChangeofTrain Activity

⇒ ControlFlow from No train cancellation with remaining path in hand of RU possible to 4.9 ChangeofTrain Activity

⇒ ControlFlow from using following BS no before existing additional path is necessary to 4.9 ChangeofTrain Activity

Activity1

Activity in package 'Common'

Activity1
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 27.06.2013. Last modified 27.06.2013

NO other path(s) are existing which could be used

Activity in package 'Common'

NO other path(s) are existing which could be used
 Version 1.0 Phase 1.0 Proposed

Hantak created on 06.09.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⚡ ControlFlow from NO other path(s) are existing which could be used to other path(s) not necessary</p>
<p>⚡ ControlFlow from NO other path(s) are existing which could be used to previous existing path necessary</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⚡ ControlFlow from No train cancellation with remaining path in hand of RU possible to NO other path(s) are existing which could be used</p>

NO other path(s) are existing which could be used diagram

Activity diagram in package 'Common'

NO other path(s) are existing which could be used
Version 1.0
km created on 06.09.2013. Last modified 06.09.2013

Figure 179: NO other path(s) are existing which could be used

No train cancellation with remaining path in hand of RU possible

Activity in package 'Common'

No train cancellation with remaining path in hand of RU possible
Version 1.0 Phase 1.0 Proposed
Hantak created on 05.09.2013. Last modified 08.09.2013

STRUCTURAL PART OF No train cancellation with remaining path in hand of RU possible
<p>⚙ ObjectNode6 : ActionPin</p>
<p>⚙ ObjectNode8 : ActionPin</p>
OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⚡ ControlFlow from No train cancellation with remaining path in hand of RU possible to 4.12 TrainModification Activity</p>

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from No train cancellation with remaining path in hand of RU possible to 4.11 PathModification Activity</p>
<p>⇐ ControlFlow from No train cancellation with remaining path in hand of RU possible to 4.9 ChangeofTrain Activity</p>
<p>⇐ ControlFlow from No train cancellation with remaining path in hand of RU possible to 4.10 PathAlteration Activity</p>
<p>⇐ ControlFlow from No train cancellation with remaining path in hand of RU possible to using following BS no before existing additional path is necessary</p>
<p>⇐ ControlFlow from No train cancellation with remaining path in hand of RU possible to other path(s) are existing to be used</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from RU can ask for paths with and without giving a Train ID to No train cancellation with remaining path in hand of RU possible</p>
<p>⇒ ControlFlow from RU can ask for paths with and without giving a Train ID to No train cancellation with remaining path in hand of RU possible</p>

ObjectNode6

ActionPin owned by 'No train cancellation with remaining path in hand of RU possible', in package 'Common'

ObjectNode8

ActionPin owned by 'No train cancellation with remaining path in hand of RU possible', in package 'Common'

no train cancellation with remaining path in hand of RU possible diagram

Activity diagram in package 'Common'

no train cancellation with remaining path in hand of RU possible
Version 1.0
Hantak created on 05.09.2013. Last modified 06.09.2013

Figure 180: no train cancellation with remaining path in hand of RU possible

No train cancellation with remaining path in hand of RU possible

Activity in package 'Common'

No train cancellation with remaining path in hand of RU possible
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 05.09.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from No train cancellation with remaining path in hand of RU possible to using following BS no before existing additional path is necessary</p>
<p>⇐ ControlFlow from No train cancellation with remaining path in hand of RU possible to NO other path(s) are existing which could be used</p>
INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from RU can ask for path(s) only by giving a Train ID to No train cancellation with remaining path in hand of RU possible</p>

No train cancellation with remaining path in hand of RU possible diagram

Activity diagram in package 'Common'

No train cancellation with remaining path in hand of RU possible
 Version 1.0
 km created on 06.09.2013. Last modified 06.09.2013

Figure 181: No train cancellation with remaining path in hand of RU possible

other path(s) are existing to be used

Activity in package 'Common'

other path(s) are existing to be used
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 06.09.2013. Last modified 08.09.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from other path(s) are existing to be used to previous existing path necessary
⇐ ControlFlow from other path(s) are existing to be used to other path(s) not necessary

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from 4.29 Train Cancellation-Path remains in hand of RU Activity to other path(s) are existing to be used
⇒ ControlFlow from No train cancellation with remaining path in hand of RU possible to other path(s) are existing to be used
⇒ ControlFlow from 4.29 Train Cancellation-Path remains in hand of RU Activity to other path(s) are existing to be used

other path(s) are existing to be used diagram

Activity diagram in package 'Common'

other path(s) are existing to be used
 Version 1.0
 km created on 06.09.2013. Last modified 06.09.2013

Figure 182: other path(s) are existing to be used

Request the creation of Path object

Activity in package 'Common'

Request the creation of Path object
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 27.06.2013. Last modified 27.06.2013







OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from Request the creation of Path object to Request linking of new Path object with the given Train object

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ Object Flow from Train (Plan) to Request the creation of Path object

RU can ask for path(s) only by giving a Train ID

Activity in package 'Common'

RU can ask for path(s) only by giving a Train ID
Version 1.0 Phase 1.0 Proposed
Hantak created on 05.09.2013. Last modified 08.09.2013

STRUCTURAL PART OF RU can ask for path(s) only by giving a Train ID
 ObjectNode4 : ActionPin
 ObjectNode5 : ActionPin
 ObjectNode7 : ActionPin
OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from RU can ask for path(s) only by giving a Train ID to 4.29 Train Cancellation-Path remains in hand of RU Activity
 ControlFlow from RU can ask for path(s) only by giving a Train ID to No train cancellation with remaining path in hand of RU possible
INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from RU WANTS A PATH to RU can ask for path(s) only by giving a Train ID

ObjectNode4

ActionPin owned by 'RU can ask for path(s) only by giving a Train ID', in package 'Common'

ObjectNode5

ActionPin owned by 'RU can ask for path(s) only by giving a Train ID', in package 'Common'

ObjectNode7

ActionPin owned by 'RU can ask for path(s) only by giving a Train ID', in package 'Common'

RU can ask for path(s) only by giving a Train ID diagram







Activity diagram in package 'Common'

RU can ask for path(s) only by giving a Train ID
 Version 1.0
 Hantak created on 05.09.2013. Last modified 06.09.2013

Figure 183: RU can ask for path(s) only by giving a Train ID

RU can ask for paths with and without giving a Train ID*Activity in package 'Common'*

RU can ask for paths with and without giving a Train ID
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 05.09.2013. Last modified 08.09.2013

STRUCTURAL PART OF RU can ask for paths with and without giving a Train ID
 ObjectNode9 : ActionPin
OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from RU can ask for paths with and without giving a Train ID to Train cancellation with remaining path in hand of RU possible
 ControlFlow from RU can ask for paths with and without giving a Train ID to No train cancellation with remaining path in hand of RU possible
 ControlFlow from RU can ask for paths with and without giving a Train ID to No train cancellation with remaining path in hand of RU possible
 ControlFlow from RU can ask for paths with and without giving a Train ID to 4.29 Train Cancellation-Path remains in hand of RU Activity
INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from RU WANTS A PATH to RU can ask for paths with and without giving a Train ID

ObjectNode9*ActionPin owned by 'RU can ask for paths with and without giving a Train ID', in package 'Common'*

RU can ask for paths without giving a Train ID diagram

Activity diagram in package 'Common'

RU can ask for paths without giving a Train ID
Version 1.0
Hantak created on 05.09.2013. Last modified 06.09.2013

Figure 184: RU can ask for paths without giving a Train ID

RU can ask for paths with and without giving a Train ID

Activity in package 'Common'

RU can ask for paths with and without giving a Train ID
Version 1.0 Phase 1.0 Proposed
Hantak created on 05.09.2013. Last modified 06.09.2013

RU can ask for paths with and without giving a Train ID diagram

Activity diagram in package 'Common'

RU can ask for paths with and without giving a Train ID
Version 1.0
km created on 06.09.2013. Last modified 06.09.2013

Figure 185: RU can ask for paths with and without giving a Train ID

RU decision, not interested

Activity in package 'Common'

RU decision, not interested
Version 1.0 Phase 1.0 Proposed
Hantak created on 23.05.2013. Last modified 24.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from RU decision, not interested to End
Guard: NO

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Customer wants transport by train, informs RU to RU decision, not interested
Guard: NO

Train cancellation with remaining path in hand of RU possible

Activity in package 'Common'

Train cancellation with remaining path in hand of RU possible

Version 1.0 Phase 1.0 Proposed

Hantak created on 05.09.2013. Last modified 08.09.2013

STRUCTURAL PART OF Train cancellation with remaining path in hand of RU possible

✎ ObjectNode10 : ActionPin

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from Train cancellation with remaining path in hand of RU possible to 4.10 PathAlteration Activity

⇐ ControlFlow from Train cancellation with remaining path in hand of RU possible to 4.9 ChangeofTrain Activity

⇐ ControlFlow from Train cancellation with remaining path in hand of RU possible to 4.12 TrainModification Activity

⇐ ControlFlow from Train cancellation with remaining path in hand of RU possible to 4.11 PathModification Activity

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from RU can ask for paths with and without giving a Train ID to Train cancellation with remaining path in hand of RU possible

CONNECTORS

↗ **Dependency** Source -> Destination

From: Train cancellation with remaining path in hand of RU possible : Activity, Public

To: 4.11 PathModification Activity : Activity, Public

ObjectNode10

ActionPin owned by 'Train cancellation with remaining path in hand of RU possible', in package 'Common'

Activity3 diagram

Activity diagram in package 'Common'

Activity3
Version 1.0
km created on 05.09.2013. Last modified 05.09.2013

Figure 186: Activity3

Train cancellation with remaining path in hand of RU possible

Activity in package 'Common'

Train cancellation with remaining path in hand of RU possible
Version 1.0 Phase 1.0 Proposed
Hantak created on 05.09.2013. Last modified 08.09.2013

Train cancellation with remaining path in hand of RU possible diagram

Activity diagram in package 'Common'






Train cancellation with remaining path in hand of RU possible
Version 1.0
km created on 06.09.2013. Last modified 06.09.2013

Figure 187: Train cancellation with remaining path in hand of RU possible

Any System (RU or IM)

ActivityPartition in package 'Common'


Any System (RU or IM)
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 28.06.2013. Last modified 28.06.2013


ELEMENTS OWNED BY Any System (RU or IM)
 Act upon the internal rules for handling the states of the links : Activity
 check the states of the links between given objects : Activity
 Find objects upon identifiers : Activity
 Back to parent process : ActivityFinal
 Read identifiers from the parent-message : ActivityInitial

Act upon the internal rules for handling the states of the links

Activity owned by 'Any System (RU or IM)', in package 'Common'

Act upon the internal rules for handling the states of the links
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 28.06.2013. Last modified 28.06.2013


OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Act upon the internal rules for handling the states of the links to Back to parent process


INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from check the states of the links between given objects to Act upon the internal rules for handling the states of the links

check the states of the links between given objects

Activity owned by 'Any System (RU or IM)', in package 'Common'

check the states of the links between given objects
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 28.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from check the states of the links between given objects to Act upon the internal rules for handling the states of the links

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Find objects upon identifiers to check the states of the links between given objects

INCOMING BEHAVIORAL RELATIONSHIPS

Find objects upon identifiers

Activity owned by 'Any System (RU or IM)', in package 'Common'

Find objects upon identifiers
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 28.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Find objects upon identifiers to check the states of the links between given objects

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Read identifiers from the parent-message to Find objects upon identifiers

Back to parent process

ActivityFinal owned by 'Any System (RU or IM)', in package 'Common'

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Act upon the internal rules for handling the states of the links to Back to parent process

Read identifiers from the parent-message

ActivityInitial owned by 'Any System (RU or IM)', in package 'Common'

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Read identifiers from the parent-message to Find objects upon identifiers

Business

ActivityPartition in package 'Common'

Business
Version 1.0 Phase 1.0 Proposed
Hantak created on 23.05.2013. Last modified 23.05.2013

ELEMENTS OWNED BY Business
☰ Customer wants transport by train, informs RU : Activity
☰ RU interested, decides to do transport : Activity
☰ RU looks for partners, starts HARmonisation process : Activity
☰ RU runs train on its own : Activity
☰ DecisionNode : DecisionNode
☰ End : ActivityFinal
☰ Start : ActivityInitial

Customer wants transport by train, informs RU

Activity owned by 'Business', in package 'Common'

Customer wants transport by train, informs RU
Version 1.0 Phase 1.0 Proposed
Hantak created on 23.05.2013. Last modified 23.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⚡ ControlFlow from Customer wants transport by train, informs RU to RU decision, not interested Guard: NO
⚡ ControlFlow from Customer wants transport by train, informs RU to RU interested, decides to do transport Guard: YES

INCOMING BEHAVIORAL RELATIONSHIPS
⚡ ControlFlow from Start to Customer wants transport by train, informs RU

RU interested, decides to do transport

Activity owned by 'Business', in package 'Common'

RU interested, decides to do transport
Version 1.0 Phase 1.0 Proposed
Hantak created on 23.05.2013. Last modified 23.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from RU interested, decides to do transport to RU looks for partners, starts HARmonisation process

⇐ ControlFlow from RU interested, decides to do transport to RU looks for partners, starts HARmonisation process

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Customer wants transport by train, informs RU to RU interested, decides to do transport
Guard: YES

RU looks for partners, starts HARmonisation process

Activity owned by 'Business', in package 'Common'

RU looks for partners, starts HARmonisation process
Version 1.0 Phase 1.0 Proposed
Hantak created on 23.05.2013. Last modified 23.05.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from RU interested, decides to do transport to RU looks for partners, starts HARmonisation process

⇒ ControlFlow from RU interested, decides to do transport to RU looks for partners, starts HARmonisation process

RU runs train on its own

Activity owned by 'Business', in package 'Common'

RU runs train on its own
Version 1.0 Phase 1.0 Proposed
Hantak created on 23.05.2013. Last modified 23.05.2013

DecisionNode

DecisionNode owned by 'Business', in package 'Common'

End

ActivityFinal owned by 'Business', in package 'Common'


INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from RU decision, not interested to End

INCOMING BEHAVIORAL RELATIONSHIPS
Guard: NO

Start






ActivityInitial owned by 'Business', in package 'Common'

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Start to Customer wants transport by train, informs RU

IM

ActivityPartition in package 'Common'


IM
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 27.06.2013. Last modified 27.06.2013

ELEMENTS OWNED BY IM
 Propose the link between Train and Path objects from the message content : Activity
 Train-Path Link established in IM system : State
 Train-Path Link proposed : State
 Back to parent diagram : Final State
 PathDetailsMessage : ActivityInitial

Propose the link between Train and Path objects from the message content

Activity owned by 'IM', in package 'Common'

Propose the link between Train and Path objects from the message content
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 27.06.2013. Last modified 27.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Object Flow from Propose the link between Train and Path objects from the message content to Train (Plan)

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ ControlFlow from Train-Path Link established in IM system to Propose the link between Train and Path objects from the message content

Train-Path Link established in IM system

State owned by 'IM', in package 'Common'

Train-Path Link established in IM system
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 27.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇨ ControlFlow from Train-Path Link established in IM system to Propose the link between Train and Path objects from the message content

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ ControlFlow from PathDetailsMessage to Train-Path Link established in IM system

Train-Path Link proposed

State owned by 'IM', in package 'Common'

Train-Path Link proposed
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 27.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇨ Transition from Train-Path Link proposed to Back to parent diagram

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Object Flow from Path (Plan) to Train-Path Link proposed

Back to parent diagram

Final State owned by 'IM', in package 'Common'

INCOMING BEHAVIORAL RELATIONSHIPS

⇨ Transition from Train-Path Link proposed to Back to parent diagram

PathDetailsMessage

ActivityInitial owned by 'IM', in package 'Common'

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from PathDetailsMessage to Train-Path Link established in IM system

IM

ActivityPartition in package 'Common'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 27.06.2013

ELEMENTS OWNED BY IM

☰ Process PathDetailsRefusedMessage : Activity

☰ Train-Path Link not confirmed : State

☰ Back to parent process : ActivityFinal

Process PathDetailsRefusedMessage

Activity owned by 'IM', in package 'Common'

Process PathDetailsRefusedMessage
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 27.06.2013. Last modified 27.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Object Flow from Process PathDetailsRefusedMessage to Path (Plan)


INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from Train (Plan) to Process PathDetailsRefusedMessage

Train-Path Link not confirmed

State owned by 'IM', in package 'Common'


Train-Path Link not confirmed

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Train-Path Link not confirmed to Back to parent process

INCOMING BEHAVIORAL RELATIONSHIPS
 Object Flow from Path (Plan) to Train-Path Link not confirmed




Back to parent process

ActivityFinal owned by 'IM', in package 'Common'

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Train-Path Link not confirmed to Back to parent process

IM

ActivityPartition in package 'Common'

ELEMENTS OWNED BY IM
 Process deletion of PathRequest : Activity
 Train-Path Link canceled : State
 Back to parent process : Final State

Process deletion of PathRequest

Activity owned by 'IM', in package 'Common'

OUTGOING BEHAVIORAL RELATIONSHIPS

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Object Flow from Process deletion of PathRequest to Path (Plan)

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from Train (Plan) to Process deletion of PathRequest

Train-Path Link canceled

State owned by 'IM', in package 'Common'

Train-Path Link canceled
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 27.06.2013. Last modified 27.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from Train-Path Link canceled to Back to parent process

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Object Flow from Path (Plan) to Train-Path Link canceled

Back to parent process

Final State owned by 'IM', in package 'Common'

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Train-Path Link canceled to Back to parent process

IM



ActivityPartition in package 'Common'

IM
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 28.06.2013. Last modified 28.06.2013

ELEMENTS OWNED BY IM

📄 Find Path with PathID from the message : Activity

📄 Process PathConfirmedMessage : Activity

ELEMENTS OWNED BY IM
 Train-Path Link confirmed : State
 Back to parent process : ActivityFinal

Find Path with PathID from the message


Activity owned by 'IM', in package 'Common'


Find Path with PathID from the message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 28.06.2013. Last modified 28.06.2013

Process PathConfirmedMessage

Activity owned by 'IM', in package 'Common'

Process PathConfirmedMessage
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 28.06.2013. Last modified 28.06.2013


OUTGOING BEHAVIORAL RELATIONSHIPS
 Object Flow from Process PathConfirmedMessage to Path (Plan)


INCOMING BEHAVIORAL RELATIONSHIPS
 Object Flow from Train (Plan) to Process PathConfirmedMessage

Train-Path Link confirmed

State owned by 'IM', in package 'Common'


Train-Path Link confirmed
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 28.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Train-Path Link confirmed to Back to parent process

INCOMING BEHAVIORAL RELATIONSHIPS
 Object Flow from Path (Plan) to Train-Path Link confirmed

Back to parent process




ActivityFinal owned by 'IM', in package 'Common'

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Train-Path Link confirmed to Back to parent process

IM

ActivityPartition in package 'Common'


IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 28.06.2013. Last modified 28.06.2013

ELEMENTS OWNED BY IM
 Train-Path Link canceled : State
 Back to parent process : ActivityFinal
 PathNotAvailableMessage : ActivityInitial

Train-Path Link canceled

State owned by 'IM', in package 'Common'

Train-Path Link canceled
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 28.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Train-Path Link canceled to Back to parent process

INCOMING BEHAVIORAL RELATIONSHIPS
 Object Flow from Path (Plan) to Train-Path Link canceled

Back to parent process

ActivityFinal owned by 'IM', in package 'Common'

INCOMING BEHAVIORAL RELATIONSHIPS

➡ ControlFlow from Train-Path Link canceled to Back to parent process

PathNotAvailableMessage

ActivityInitial owned by 'IM', in package 'Common'

OUTGOING BEHAVIORAL RELATIONSHIPS

➡ ControlFlow from PathNotAvailableMessage to Find the objects Train and Path according to Identifiers from the message

PathDetailsRefused

ActivityInitial in package 'Common'

OUTGOING BEHAVIORAL RELATIONSHIPS

➡ ControlFlow from PathDetailsRefused to Train-Path Link not established

RU

ActivityPartition in package 'Common'

RU

Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 27.06.2013. Last modified 27.06.2013

ELEMENTS OWNED BY RU

📄 Request linking of new Path object with the given Train object : Activity

📄 Train-Path Link requested : State

📄 Back to parent process : ActivityFinal

📄 PathRequestMessage : ActivityInitial

Request linking of new Path object with the given Train object

Activity owned by 'RU', in package 'Common'

Request linking of new Path object with the given Train object
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 27.06.2013. Last modified 27.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from Request linking of new Path object with the given Train object to Train-Path Link requested

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Request the creation of Path object to Request linking of new Path object with the given Train object

Train-Path Link requested

State owned by 'RU', in package 'Common'

Train-Path Link requested
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 27.06.2013. Last modified 27.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from Train-Path Link requested to Back to parent process

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Request linking of new Path object with the given Train object to Train-Path Link requested

Back to parent process

ActivityFinal owned by 'RU', in package 'Common'

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Train-Path Link requested to Back to parent process

PathRequestMessage

ActivityInitial owned by 'RU', in package 'Common'

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ Object Flow from PathRequestMessage to PathRequest

RU

ActivityPartition in package 'Common'


RU
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 27.06.2013. Last modified 27.06.2013


ELEMENTS OWNED BY RU
 Train-Path Link not established : State

Train-Path Link not established

State owned by 'RU', in package 'Common'

Train-Path Link not established
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 27.06.2013. Last modified 27.06.2013



OUTGOING BEHAVIORAL RELATIONSHIPS
 Object Flow from Train-Path Link not established to Train (Plan)

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from PathDetailsRefused to Train-Path Link not established

RU

ActivityPartition in package 'Common'

RU
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 27.06.2013. Last modified 27.06.2013


ELEMENTS OWNED BY RU
 Train-Path Link refused : State
 PathRequestMessage Status Delete : ActivityInitial


Train-Path Link refused

State owned by 'RU', in package 'Common'

Train-Path Link refused
Version 1.0 Phase 1.0 Proposed


seid.magljalic created on 27.06.2013. Last modified 27.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Object Flow from Train-Path Link refused to Train (Plan)

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from PathRequestMessage Status Delete to Train-Path Link refused

PathRequestMessage Status Delete



ActivityInitial owned by 'RU', in package 'Common'

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from PathRequestMessage Status Delete to Train-Path Link refused

RU

ActivityPartition in package 'Common'


RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 28.06.2013. Last modified 28.06.2013

ELEMENTS OWNED BY RU
 Train-Path Link established : State
 PathConfirmendMessage, UpdateLinkMessage : ActivityInitial

Train-Path Link established

State owned by 'RU', in package 'Common'

Train-Path Link established
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 28.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Object Flow from Train-Path Link established to Train (Plan)

INCOMING BEHAVIORAL RELATIONSHIPS

➡ ControlFlow from PathConfirmendMessage, UpdateLinkMessage to Train-Path Link established

PathConfirmendMessage, UpdateLinkMessage

ActivityInitial owned by 'RU', in package 'Common'

OUTGOING BEHAVIORAL RELATIONSHIPS

⬅ ControlFlow from PathConfirmendMessage, UpdateLinkMessage to Train-Path Link established

RU

ActivityPartition in package 'Common'

RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 28.06.2013. Last modified 28.06.2013

ELEMENTS OWNED BY RU

📄 Break the link : Action

📄 Break the link : Action

📄 Activity2 : Activity

📄 Find the objects Train and Path according to Identifiers from the message : Activity

📄 Train-Path Link canceled : State

📄 UpdateLinkMessage : ActivityInitial

Break the link

Action owned by 'RU', in package 'Common'

Break the link
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 28.06.2013. Last modified 28.06.2013

Break the link

Action owned by 'RU', in package 'Common'

Break the link
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 28.06.2013. Last modified 28.06.2013

Activity2

Activity owned by 'RU', in package 'Common'

Activity2
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 28.06.2013. Last modified 28.06.2013

Find the objects Train and Path according to Identifiers from the message

Activity owned by 'RU', in package 'Common'

Find the objects Train and Path according to Identifiers from the message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 28.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from Find the objects Train and Path according to Identifiers from the message to Train-Path Link canceled

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from PathNotAvailableMessage to Find the objects Train and Path according to Identifiers from the message

⇒ ControlFlow from UpdateLinkMessage to Find the objects Train and Path according to Identifiers from the message

Train-Path Link canceled

State owned by 'RU', in package 'Common'

Train-Path Link canceled
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 28.06.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS


⇐ Object Flow from Train-Path Link canceled to Train (Plan)

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Find the objects Train and Path according to Identifiers from the message to Train-Path Link canceled

UpdateLinkMessage







ActivityInitial owned by 'RU', in package 'Common'

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from UpdateLinkMessage to Find the objects Train and Path according to Identifiers from the message

RU-System_xy2

ActivityPartition in package 'Common'


RU-System_xy2
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 03.05.2013. Last modified 03.05.2013

ELEMENTS OWNED BY RU-System_xy2
 show message content in legacy system(s) : Activity
 back to the parent process : ActivityFinal
 receive TRAIN ID mandatory : Activity
 receive CASE REFERENCE ID mandatory : Activity
 receive PATH ID mandatory : Activity
 receive OTN optional : Activity

show message content in legacy system(s)

Activity owned by 'RU-System_xy2', in package 'Common'

show message content in legacy system(s)
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 06.05.2013. Last modified 06.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from show message content in legacy system(s) to back to the parent process

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Identifiers processed to show message content in legacy system(s)

back to the parent process

ActivityFinal owned by 'RU-System_xy2', in package 'Common'

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from show message content in legacy system(s) to back to the parent process

receive TRAIN ID mandatory

Activity owned by 'RU-System_xy2', in package 'Common'

receive TRAIN ID mandatory
Version 1.0 Phase 1.0 Proposed
Hantak created on 03.05.2013. Last modified 03.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from receive TRAIN ID mandatory to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from send TRAIN ID mandatory to receive TRAIN ID mandatory

receive CASE REFERENCE ID mandatory

Activity owned by 'RU-System_xy2', in package 'Common'

receive CASE REFERENCE ID mandatory
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.05.2013. Last modified 06.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from receive CASE REFERENCE ID mandatory to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from send CASE REFERENCE ID mandatory to receive CASE REFERENCE ID mandatory

receive PATH ID mandatory

Activity owned by 'RU-System_xy2', in package 'Common'

receive PATH ID mandatory
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.05.2013. Last modified 06.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from receive PATH ID mandatory to Identifiers processed</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from send PATH ID mandatory to receive PATH ID mandatory</p>

receive OTN optional

Activity owned by 'RU-System_xy2', in package 'Common'

receive OTN optional
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.05.2013. Last modified 06.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from receive OTN optional to Identifiers processed</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from send OTN optional to receive OTN optional</p>

RU WANTS A PATH

ActivityInitial in package 'Common'

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from RU WANTS A PATH to RU can ask for path(s) only by giving a Train ID</p>
<p>⇐ ControlFlow from RU WANTS A PATH to RU can ask for paths with and without giving a Train ID</p>

RU_xy2


ActivityPartition in package 'Common'

RU_xy2
Version 1.0 Phase 1.0 Proposed
Hantak created on 03.05.2013. Last modified 03.05.2013

RU1 (LEAD)

ActivityPartition in package 'Common'

RU1 (LEAD)
Version 1.0 Phase 1.0 Proposed
Hantak created on 01.05.2013. Last modified 01.05.2013

ELEMENTS OWNED BY RU1 (LEAD)
 idea for train coming up : ActivityInitial








idea for train coming up






ActivityInitial owned by 'RU1 (LEAD)', in package 'Common'

RU_xy

ActivityPartition in package 'Common'

RU_xy
Version 1.0 Phase 1.0 Proposed
Hantak created on 29.04.2013. Last modified 02.05.2013


ELEMENTS OWNED BY RU_xy
 check message c01 content in XSD : Activity
 check message c03 content in XSD : Activity
 check message c04 content in XSD : Activity
 check message c06 content in XSD : Activity
 check message c07 content in XSD : Activity
 check message c08 content in XSD : Activity
 check message c11 content in XSD : Activity

ELEMENTS OWNED BY RU_xy
 check message c13 content in XSD : Activity
 check message c16 content in XSD : Activity
 check message c18 content in XSD : Activity
 check message c19 content in XSD : Activity
 check message c20 content in XSD : Activity

check message c01 content in XSD

Activity owned by 'RU_xy', in package 'Common'

check message c01 content in XSD
Version 1.0 Phase 1.0 Proposed
Hantak created on 04.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Information Flow from check message c01 content in XSD to create message

check message c01 content in XSD diagram

Activity diagram in package 'Common'

check message c01 content in XSD
Version 1.0
km created on 04.06.2013. Last modified 04.06.2013


Figure 188: check message c01 content in XSD

check message c03 content in XSD

Activity owned by 'RU_xy', in package 'Common'

check message c03 content in XSD
Version 1.0 Phase 1.0 Proposed

Hantak created on 04.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS Information Flow from check message c03 content in XSD to create message***check message c03 content in XSD diagram****Activity diagram in package 'Common'*

check message c03 content in XSD

Version 1.0

km created on 04.06.2013. Last modified 04.06.2013

Figure 189: check message c03 content in XSD

check message c04 content in XSD*Activity owned by 'RU_xy', in package 'Common'*

check message c04 content in XSD

Version 1.0 Phase 1.0 Proposed

Hantak created on 04.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS Information Flow from check message c04 content in XSD to create message***check message c19 content in XSD diagram****Activity diagram in package 'Common'*

check message c19 content in XSD

Version 1.0


km created on 04.06.2013. Last modified 04.06.2013

Figure 190: check message c19 content in XSD

check message c06 content in XSD

Activity owned by 'RU_xy', in package 'Common'

check message c06 content in XSD
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 04.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Information Flow from check message c06 content in XSD to create message

check message c06 content in XSD diagram

Activity diagram in package 'Common'


check message c06 content in XSD
 Version 1.0
 km created on 04.06.2013. Last modified 04.06.2013

Figure 191: check message c06 content in XSD

check message c07 content in XSD

Activity owned by 'RU_xy', in package 'Common'

check message c07 content in XSD
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 04.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Information Flow from check message c07 content in XSD to create message

check message c07 content in XSD diagram

Activity diagram in package 'Common'


check message c07 content in XSD
 Version 1.0
 km created on 04.06.2013. Last modified 04.06.2013

Figure 192: check message c07 content in XSD

check message c08 content in XSD

Activity owned by 'RU_xy', in package 'Common'

check message c08 content in XSD
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 04.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Information Flow from check message c08 content in XSD to create message

check message c08 content in XSD diagram

Activity diagram in package 'Common'


check message c08 content in XSD
 Version 1.0
 km created on 04.06.2013. Last modified 04.06.2013

Figure 193: check message c08 content in XSD

check message c11 content in XSD

Activity owned by 'RU_xy', in package 'Common'

check message c11 content in XSD
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 04.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Information Flow from check message c11 content in XSD to create message

check message c11 content in XSD diagram

Activity diagram in package 'Common'

check message c11 content in XSD
 Version 1.0
 km created on 04.06.2013. Last modified 04.06.2013

Figure 194: check message c11 content in XSD

check message c13 content in XSD

Activity owned by 'RU_xy', in package 'Common'

check message c13 content in XSD
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 04.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>← Information Flow from check message c13 content in XSD to create message</p>

check message c13 content in XSD diagram

Activity diagram in package 'Common'

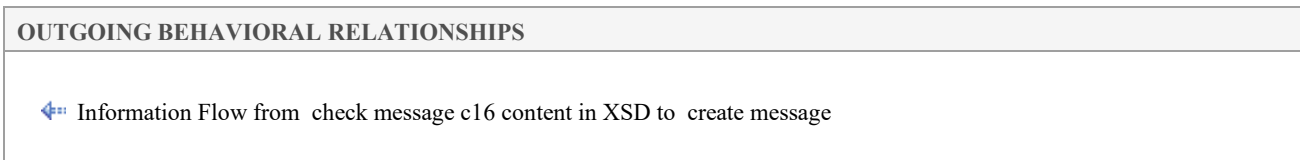
check message c13 content in XSD
 Version 1.0
 km created on 04.06.2013. Last modified 04.06.2013

Figure 195: check message c13 content in XSD

check message c16 content in XSD

Activity owned by 'RU_xy', in package 'Common'

check message c16 content in XSD
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 04.06.2013. Last modified 04.06.2013



check message c16 content in XSD diagram

Activity diagram in package 'Common'

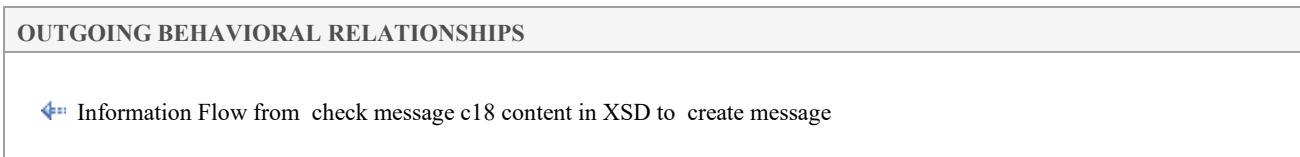
check message c16 content in XSD
Version 1.0
km created on 04.06.2013. Last modified 04.06.2013

Figure 196: check message c16 content in XSD

check message c18 content in XSD

Activity owned by 'RU_xy', in package 'Common'

check message c18 content in XSD
Version 1.0 Phase 1.0 Proposed
Hantak created on 04.06.2013. Last modified 04.06.2013



check message c18 content in XSD diagram

Activity diagram in package 'Common'

check message c18 content in XSD
Version 1.0
km created on 04.06.2013. Last modified 04.06.2013

Figure 197: check message c18 content in XSD

check message c19 content in XSD

Activity owned by 'RU_xy', in package 'Common'

check message c19 content in XSD
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 04.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>← Information Flow from check message c19 content in XSD to create message</p>

check message c19 content in XSD diagram

Activity diagram in package 'Common'

check message c19 content in XSD
 Version 1.0
 km created on 04.06.2013. Last modified 04.06.2013

Figure 198: check message c19 content in XSD

check message c20 content in XSD

Activity owned by 'RU_xy', in package 'Common'

check message c20 content in XSD
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 04.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>← Information Flow from check message c20 content in XSD to create message</p>

Activity1 diagram












Activity diagram in package 'Common'


















Activity1
 Version 1.0
 km created on 04.06.2013. Last modified 04.06.2013











Figure 199: Activity1

RU-System_xy*ActivityPartition in package 'Common'*

RU-System_xy
Version 1.0 Phase 1.0 Proposed
Hantak created on 01.05.2013. Last modified 02.05.2013

ELEMENTS OWNED BY RU-System_xy
 create message : Activity
 show message content in legacy system(s) : Activity
 send TRAIN ID mandatory : Activity
 send TRAIN ID optional : Activity
 send CASE REFERENCE ID mandatory : Activity
 send CASE REFERENCE ID optional : Activity
 send CASE REFERENCE ID recommended : Activity
 send PATH REQUEST ID mandatory : Activity
 send PATH REQUEST ID optional : Activity
 send PATH REQUEST ID recommended : Activity
 send PATH ID mandatory : Activity

ELEMENTS OWNED BY RU-System_xy
 send PATH ID mandatory : Activity
 send PATH ID optional : Activity
 send PATH ID recommended : Activity
 send OTN mandatory : Activity
 send OTN mandatory : Activity
 send OTN optional : Activity
 receive TRAIN ID mandatory : Activity
 receive TRAIN ID optional : Activity
 receive CASE REFERENCE ID recommended : Activity
 receive CASE REFERENCE ID optional : Activity
 receive PATH REQUEST ID mandatory : Activity
 receive PATH REQUEST ID optional : Activity
 receive PATH ID mandatory : Activity
 receive PATH ID mandatory : Activity
 receive PATH ID optional : Activity
 receive PATH ID recommended : Activity
 receive OTN mandatory : Activity

ELEMENTS OWNED BY RU-System_xy
 receive OTN optional : Activity
 receive RELATED ID 1 optional : Activity
 receive OTN recommended : Activity
 receive RELATED ID 2 optional : Activity
 receive RELATED ID 1 optional : Activity
 receive RELATED ID 3 optional : Activity
 receive RELATED ID 2 optional : Activity
 receive RELATED ID 3 optional : Activity
 back to the parent-process : ActivityFinal
 Called from the parent-process : ActivityInitial

create message

Activity owned by 'RU-System_xy', in package 'Common'

create message
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.04.2013. Last modified 03.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from create message to Set the Identifiers
 ControlFlow from create message to Set the Identifiers
 ControlFlow from create message to Set the Identifiers
 ControlFlow from create message to Set the Identifiers

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐:: ControlFlow from create message to Set the Identifiers
⇐:: ControlFlow from create message to Set the Identifiers
⇐:: ControlFlow from create message to Set the Identifiers
⇐:: ControlFlow from create message to Set the Identifiers
⇐:: ControlFlow from create message to Set the Identifiers
⇐:: ControlFlow from create message to Set the Identifiers
⇐:: ControlFlow from create message to Set the Identifiers
⇐:: ControlFlow from create message to Set the Identifiers
⇐:: ControlFlow from create message to Set the Identifiers
⇐:: ControlFlow from create message to Set the Identifiers

INCOMING BEHAVIORAL RELATIONSHIPS
⇒:: Information Flow from check message c06 content in XSD to create message
⇒:: Information Flow from check message c19 content in XSD to create message
⇒:: Information Flow from check message c20 content in XSD to create message
⇒:: Information Flow from check message c16 content in XSD to create message
⇒:: Information Flow from check message c03 content in XSD to create message
⇒:: Information Flow from check message c08 content in XSD to create message
⇒:: Information Flow from check message c01 content in XSD to create message
⇒:: ControlFlow from Called from the parent-process to create message

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Called from the parent-process to create message</p>
<p>⇒ Information Flow from check message c18 content in XSD to create message</p>
<p>⇒ Information Flow from check message c11 content in XSD to create message</p>
<p>⇒ Information Flow from check message c15 content in XSD to create message</p>
<p>⇒ Information Flow from check message c13 content in XSD to create message</p>
<p>⇒ Information Flow from check message c04 content in XSD to create message</p>
<p>⇒ Information Flow from check message c07 content in XSD to create message</p>

show message content in legacy system(s)

Activity owned by 'RU-System_xy', in package 'Common'

show message content in legacy system(s)
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 05.05.2013. Last modified 26.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from show message content in legacy system(s) to back to the parent-process</p>
<p>⇐ ControlFlow from show message content in legacy system(s) to back to the parent process</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Identifiers processed to show message content in legacy system(s)</p>
<p>⇒ ControlFlow from Identifiers processed to show message content in legacy system(s)</p>
<p>⇒ ControlFlow from Identifiers processed to show message content in legacy system(s)</p>
<p>⇒ ControlFlow from Identifiers processed to show message content in legacy system(s)</p>

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from Identifiers processed to show message content in legacy system(s)
⇒ ControlFlow from Identifiers processed to show message content in legacy system(s)
⇒ ControlFlow from Identifiers processed to show message content in legacy system(s)
⇒ ControlFlow from Identifiers processed to show message content in legacy system(s)
⇒ ControlFlow from Identifiers processed to show message content in legacy system(s)
⇒ ControlFlow from Identifiers processed to show message content in legacy system(s)
⇒ ControlFlow from Identifiers processed to show message content in legacy system(s)
⇒ ControlFlow from Identifiers processed to show message content in legacy system(s)
⇒ ControlFlow from Identifiers processed to show message content in legacy system(s)
⇒ ControlFlow from Identifiers processed to show message content in legacy system(s)

send TRAIN ID mandatory

Activity owned by 'RU-System_xy', in package 'Common'

send TRAIN ID mandatory
Version 1.0 Phase 1.0 Proposed
Hantak created on 29.04.2013. Last modified 03.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from send TRAIN ID mandatory to receive TRAIN ID mandatory
⇐ ControlFlow from send TRAIN ID mandatory to receive TRAIN ID mandatory
⇐ ControlFlow from send TRAIN ID mandatory to receive TRAIN ID mandatory

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from Set the Identifiers to send TRAIN ID mandatory

INCOMING BEHAVIORAL RELATIONSHIPS

ControlFlow from Set the Identifiers to send TRAIN ID optional

send CASE REFERENCE ID mandatory

Activity owned by 'RU-System_xy', in package 'Common'

send CASE REFERENCE ID mandatory

Version 1.0 Phase 1.0 Proposed

Hantak created on 29.04.2013. Last modified 03.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from send CASE REFERENCE ID mandatory to receive CASE REFERENCE ID mandatory

ControlFlow from send CASE REFERENCE ID mandatory to receive CASE REFERENCE ID mandatory

ControlFlow from send CASE REFERENCE ID mandatory to receive CASE REFERENCE ID mandatory

INCOMING BEHAVIORAL RELATIONSHIPS

ControlFlow from Set the Identifiers to send CASE REFERENCE ID mandatory

ControlFlow from Set the Identifiers to send CASE REFERENCE ID mandatory

ControlFlow from Set the Identifiers to send CASE REFERENCE ID mandatory

ControlFlow from Set the Identifiers to send CASE REFERENCE ID mandatory

ControlFlow from Set the Identifiers to send CASE REFERENCE ID mandatory

send CASE REFERENCE ID optional

Activity owned by 'RU-System_xy', in package 'Common'

send CASE REFERENCE ID optional

Version 1.0 Phase 1.0 Proposed

Hantak created on 06.05.2013. Last modified 06.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

ControlFlow from send CASE REFERENCE ID optional to receive CASE REFERENCE ID optional

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇄ ControlFlow from send CASE REFERENCE ID optional to receive CASE REFERENCE optional</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇄ ControlFlow from Set the Identifiers to send CASE REFERENCE ID optional</p>
<p>⇄ ControlFlow from Set the Identifiers to send CASE REFERENCE ID optional</p>
<p>⇄ ControlFlow from Set the Identifiers to send CASE REFERENCE ID optional</p>
<p>⇄ ControlFlow from Set the Identifiers to send CASE REFERENCE ID optional</p>
<p>⇄ ControlFlow from Set the Identifiers to send CASE REFERENCE ID optional</p>
<p>⇄ ControlFlow from Set the Identifiers to send CASE REFERENCE ID optional</p>

send CASE REFERENCE ID recommended

Activity owned by 'RU-System_xy', in package 'Common'

send CASE REFERENCE ID recommended
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.04.2013. Last modified 03.05.2013

send PATH REQUEST ID mandatory

Activity owned by 'RU-System_xy', in package 'Common'

send PATH REQUEST ID mandatory
Version 1.0 Phase 1.0 Proposed
Hantak created on 04.05.2013. Last modified 04.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇄ ControlFlow from send PATH REQUEST ID mandatory to receive PATH REQUEST ID mandatory</p>
<p>⇄ ControlFlow from send PATH REQUEST ID mandatory to receive PATH REQUEST ID mandatory</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇄ ControlFlow from Set the Identifiers to send PATH REQUEST ID mandatory</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒⇒ ControlFlow from Set the Identifiers to send PATH REQUEST ID mandatory</p>
<p>⇒⇒ ControlFlow from Set the Identifiers to send PATH REQUEST ID mandatory</p>
<p>⇒⇒ ControlFlow from Set the Identifiers to send PATH REQUEST ID mandatory</p>

send PATH REQUEST ID optional

Activity owned by 'RU-System_xy', in package 'Common'

send PATH REQUEST ID optional
Version 1.0 Phase 1.0 Proposed
Hantak created on 25.05.2013. Last modified 25.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐⇒ ControlFlow from send PATH REQUEST ID optional to receive PATH REQUEST ID optional</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒⇒ ControlFlow from Set the Identifiers to send PATH REQUEST ID optional</p>

send PATH REQUEST ID recommended

Activity owned by 'RU-System_xy', in package 'Common'

send PATH REQUEST ID recommended
Version 1.0 Phase 1.0 Proposed
seid.magljajic created on 19.04.2013. Last modified 03.05.2013

send PATH ID mandatory

Activity owned by 'RU-System_xy', in package 'Common'

send PATH ID mandatory
Version 1.0 Phase 1.0 Proposed
Hantak created on 04.05.2013. Last modified 04.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐⇒ ControlFlow from send PATH ID mandatory to receive PATH ID mandatory</p>
<p>⇐⇒ ControlFlow from send PATH ID mandatory to receive PATH ID mandatory</p>

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇄ ControlFlow from send PATH ID mandatory to receive PATH ID mandatory</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇄ ControlFlow from Set the Identifiers to send PATH ID mandatory</p>
<p>⇄ ControlFlow from Set the Identifiers to send PATH ID mandatory</p>
<p>⇄ ControlFlow from Set the Identifiers to send PATH ID mandatory</p>
<p>⇄ ControlFlow from Set the Identifiers to send PATH ID mandatory</p>
<p>⇄ ControlFlow from Set the Identifiers to send PATH ID mandatory</p>
<p>⇄ ControlFlow from Set the Identifiers to send PATH ID mandatory</p>
<p>⇄ ControlFlow from Set the Identifiers to send PATH ID mandatory</p>
<p>⇄ ControlFlow from Set the Identifiers to send PATH ID mandatory</p>
<p>⇄ ControlFlow from Set the Identifiers to send PATH ID mandatory</p>
<p>⇄ ControlFlow from Set the Identifiers to send PATH ID mandatory</p>
<p>⇄ ControlFlow from Set the Identifiers to send PATH ID mandatory</p>

send PATH ID mandatory

Activity owned by 'RU-System_xy', in package 'Common'

send PATH ID mandatory
Version 1.0 Phase 1.0 Proposed
Hantak created on 04.05.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇄ ControlFlow from send PATH ID mandatory to receive PATH ID mandatory</p>

INCOMING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Set the Identifiers to send PATH ID mandatory

send PATH ID optional

Activity owned by 'RU-System_xy', in package 'Common'

send PATH ID optional
Version 1.0 Phase 1.0 Proposed
Hantak created on 25.05.2013. Last modified 25.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from send PATH ID optional to receive PATH ID optional

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Set the Identifiers to send PATH ID optional

send PATH ID recommended

Activity owned by 'RU-System_xy', in package 'Common'

send PATH ID recommended
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.04.2013. Last modified 03.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from send PATH ID recommended to send OTN recommended

⇐ ControlFlow from send PATH ID recommended to receive PATH ID recommended

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Set the Identifiers to send PATH ID recommended

⇒ ControlFlow from send OTN recommended to send PATH ID recommended

send OTN mandatory

Activity owned by 'RU-System_xy', in package 'Common'

send OTN mandatory
Version 1.0 Phase 1.0 Proposed

Hantak created on 06.05.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from send OTN mandatory to receive OTN mandatory</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Set the Identifiers to send OTN mandatory</p>

send OTN mandatory

Activity owned by 'RU-System_xy', in package 'Common'

send OTN mandatory
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 06.05.2013. Last modified 06.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from send OTN mandatory to receive OTN mandatory</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Set the Identifiers to send OTN mandatory</p>
<p>⇒ ControlFlow from Set the Identifiers to send OTN mandatory</p>
<p>⇒ ControlFlow from Set the Identifiers to send OTN mandatory</p>

send OTN optional

Activity owned by 'RU-System_xy', in package 'Common'

send OTN optional
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.04.2013. Last modified 02.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from send OTN optional to receive OTN optional</p>
<p>⇐ ControlFlow from send OTN optional to receive OTN optional</p>
<p>⇐ ControlFlow from send OTN optional to receive OTN optional</p>

OUTGOING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from Set the Identifiers to send OTN optional
⇒ ControlFlow from Set the Identifiers to send OTN optional
⇒ ControlFlow from Set the Identifiers to send OTN optional
⇒ ControlFlow from Set the Identifiers to send OTN optional
⇒ ControlFlow from Set the Identifiers to send OTN optional
⇒ ControlFlow from Set the Identifiers to send OTN optional
⇒ ControlFlow from Set the Identifiers to send OTN optional
⇒ ControlFlow from Set the Identifiers to send OTN optional
⇒ ControlFlow from Set the Identifiers to send OTN optional
⇒ ControlFlow from Set the Identifiers to send OTN optional

receive TRAIN ID mandatory

Activity owned by 'RU-System_xy', in package 'Common'

receive TRAIN ID mandatory
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 29.04.2013. Last modified 03.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from receive TRAIN ID mandatory to Identifiers processed
⇐ ControlFlow from receive TRAIN ID mandatory to Identifiers processed
⇐ ControlFlow from receive TRAIN ID mandatory to Identifiers processed
⇐ ControlFlow from receive TRAIN ID mandatory to Identifiers processed

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from receive TRAIN ID mandatory to Identifiers processed
⇐ ControlFlow from receive TRAIN ID mandatory to Identifiers processed
⇐ ControlFlow from receive TRAIN ID mandatory to Identifiers processed
⇐ ControlFlow from receive TRAIN ID mandatory to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from send TRAIN ID mandatory to receive TRAIN ID mandatory
⇒ ControlFlow from send TRAIN ID mandatory to receive TRAIN ID mandatory

receive TRAIN ID optional

Activity owned by 'RU-System_xy', in package 'Common'

receive TRAIN ID optional
Version 1.0 Phase 1.0 Proposed
Hantak created on 26.05.2013. Last modified 26.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from receive TRAIN ID optional to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from send TRAIN ID optional to receive TRAIN ID optional

receive CASE REFERENCE ID recommended

Activity owned by 'RU-System_xy', in package 'Common'

receive CASE REFERENCE ID recommended
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.04.2013. Last modified 03.05.2013

receive CASE REFERENCE ID optional

Activity owned by 'RU-System_xy', in package 'Common'

receive CASE REFERENCE ID optional
Version 1.0 Phase 1.0 Proposed
Hantak created on 26.05.2013. Last modified 26.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from receive CASE REFERENCE ID optional to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from send CASE REFERENCE ID optional to receive CASE REFERENCE ID optional

receive PATH REQUEST ID mandatory

Activity owned by 'RU-System_xy', in package 'Common'

receive PATH REQUEST ID mandatory
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.04.2013. Last modified 23.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from receive PATH REQUEST ID mandatory to Identifiers processed

⇐ ControlFlow from receive PATH REQUEST ID mandatory to Identifiers processed

⇐ ControlFlow from receive PATH REQUEST ID mandatory to Identifiers processed

⇐ ControlFlow from receive PATH REQUEST ID mandatory to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from send PATH REQUEST ID mandatory to receive PATH REQUEST ID mandatory

⇒ ControlFlow from send PATH REQUEST ID mandatory to receive PATH REQUEST ID mandatory

receive PATH REQUEST ID optional

Activity owned by 'RU-System_xy', in package 'Common'

receive PATH REQUEST ID optional
Version 1.0 Phase 1.0 Proposed
Hantak created on 26.05.2013. Last modified 26.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from receive PATH REQUEST ID optional to Identifiers processed</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from send PATH REQUEST ID optional to receive PATH REQUEST ID optional</p>

receive PATH ID mandatory

Activity owned by 'RU-System_xy', in package 'Common'

receive PATH ID mandatory
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 19.04.2013. Last modified 20.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from receive PATH ID mandatory to Identifiers processed</p>
<p>⇐ ControlFlow from receive PATH ID mandatory to Identifiers processed</p>
<p>⇐ ControlFlow from receive PATH ID mandatory to Identifiers processed</p>
<p>⇐ ControlFlow from receive PATH ID mandatory to Identifiers processed</p>
<p>⇐ ControlFlow from receive PATH ID mandatory to Identifiers processed</p>
<p>⇐ ControlFlow from receive PATH ID mandatory to Identifiers processed</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from send PATH ID mandatory to receive PATH ID mandatory</p>
<p>⇒ ControlFlow from send PATH ID mandatory to receive PATH ID mandatory</p>

receive PATH ID mandatory

Activity owned by 'RU-System_xy', in package 'Common'

receive PATH ID mandatory
 Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 19.04.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from receive PATH ID mandatory to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from send PATH ID mandatory to receive PATH ID mandatory

receive PATH ID optional

Activity owned by 'RU-System_xy', in package 'Common'

receive PATH ID optional
Version 1.0 Phase 1.0 Proposed
Hantak created on 26.05.2013. Last modified 26.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from receive PATH ID optional to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from send PATH ID optional to receive PATH ID optional

receive PATH ID recommended

Activity owned by 'RU-System_xy', in package 'Common'

receive PATH ID recommended
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.04.2013. Last modified 06.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from receive PATH ID recommended to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from send PATH ID recommended to receive PATH ID recommended

receive OTN mandatory

Activity owned by 'RU-System_xy', in package 'Common'

receive OTN mandatory
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 06.05.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from receive OTN mandatory to Identifiers processed</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from send OTN mandatory to receive OTN mandatory</p>

receive OTN optional

Activity owned by 'RU-System_xy', in package 'Common'

receive OTN optional
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 26.05.2013. Last modified 26.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from receive OTN optional to Identifiers processed</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from send OTN optional to receive OTN optional</p>

receive RELATED ID 1 optional

Activity owned by 'RU-System_xy', in package 'Common'

receive RELATED ID 1 optional
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 05.05.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from receive RELATED ID 1 optional to Identifiers processed</p>
<p>⇐ ControlFlow from receive RELATED ID 1 optional to Identifiers processed</p>
<p>⇐ ControlFlow from receive RELATED ID 1 optional to Identifiers processed</p>
<p>⇐ ControlFlow from receive RELATED ID 1 optional to Identifiers processed</p>

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from receive RELATED ID 1 optional to Identifiers processed</p>
<p>⇐ ControlFlow from receive RELATED ID 1 optional to Identifiers processed</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from send RELATED ID 1 optional to receive RELATED ID 1 optional</p>

receive OTN recommended

Activity owned by 'RU-System_xy', in package 'Common'

receive OTN recommended
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.04.2013. Last modified 06.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from receive OTN recommended to Identifiers processed</p>
<p>⇐ ControlFlow from receive OTN recommended to Identifiers processed</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from send OTN recommended to receive OTN recommended</p>

receive RELATED ID 2 optional

Activity owned by 'RU-System_xy', in package 'Common'

receive RELATED ID 2 optional
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 05.05.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from receive RELATED ID 2 optional to Identifiers processed</p>
<p>⇐ ControlFlow from receive RELATED ID 2 optional to Identifiers processed</p>
<p>⇐ ControlFlow from receive RELATED ID 2 optional to Identifiers processed</p>

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐:: ControlFlow from receive RELATED ID 2 optional to Identifiers processed
⇐:: ControlFlow from receive RELATED ID 2 optional to Identifiers processed
⇐:: ControlFlow from receive RELATED ID 2 optional to Identifiers processed
INCOMING BEHAVIORAL RELATIONSHIPS
⇒:: ControlFlow from send RELATED ID 2 optional to receive RELATED ID 2 optional

receive RELATED ID 1 optional

Activity owned by 'RU-System_xy', in package 'Common'

receive RELATED ID 1 optional
Version 1.0 Phase 1.0 Proposed
Hantak created on 23.05.2013. Last modified 23.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐:: ControlFlow from receive RELATED ID 1 optional to Identifiers processed
⇐:: ControlFlow from receive RELATED ID 1 optional to Identifiers processed
INCOMING BEHAVIORAL RELATIONSHIPS
⇒:: ControlFlow from send RELATED ID 1 optional to receive RELATED ID 1 optional

receive RELATED ID 3 optional

Activity owned by 'RU-System_xy', in package 'Common'

receive RELATED ID 3 optional
Version 1.0 Phase 1.0 Proposed
Hantak created on 05.05.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐:: ControlFlow from receive RELATED ID 3 optional to Identifiers processed
⇐:: ControlFlow from receive RELATED ID 3 optional to Identifiers processed

OUTGOING BEHAVIORAL RELATIONSHIPS
↔ ControlFlow from receive RELATED ID 3 optional to Identifiers processed
↔ ControlFlow from receive RELATED ID 3 optional to Identifiers processed
↔ ControlFlow from receive RELATED ID 3 optional to Identifiers processed
↔ ControlFlow from receive RELATED ID 3 optional to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from send RELATED ID 3 optional to receive RELATED ID 3 optional

receive RELATED ID 2 optional

Activity owned by 'RU-System_xy', in package 'Common'

receive RELATED ID 2 optional
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 23.05.2013. Last modified 26.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
↔ ControlFlow from receive RELATED ID 2 optional to Identifiers processed
↔ ControlFlow from receive RELATED ID 2 optional to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from send RELATED ID 2 optional to receive RELATED ID 2 optional

receive RELATED ID 3 optional

Activity owned by 'RU-System_xy', in package 'Common'

receive RELATED ID 3 optional
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 23.05.2013. Last modified 23.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
↔ ControlFlow from receive RELATED ID 3 optional to Identifiers processed

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from receive RELATED ID 3 optional to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from send RELATED ID 3 optional to receive RELATED ID 3 optional

back to the parent-process

ActivityFinal owned by 'RU-System_xy', in package 'Common'

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from show message content in legacy system(s) to back to the parent-process

Called from the parent-process

ActivityInitial owned by 'RU-System_xy', in package 'Common'

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from Called from the parent-process to create message

⇐ ControlFlow from Called from the parent-process to create message

IM_xy

ActivityPartition in package 'Common'

IM_xy
Version 1.0 Phase 1.0 Proposed
Hantak created on 29.04.2013. Last modified 01.05.2013

ELEMENTS OWNED BY IM_xy

☒ check message c02 content in XSD : Activity

☒ check message c05 content in XSD : Activity


☒ check message c09 content in XSD : Activity

ELEMENTS OWNED BY IM_xy
 check message c10 content in XSD : Activity
 check message c12 content in XSD : Activity
 check message c14 content in XSD : Activity
 check message c15 content in XSD : Activity
 check message c17 content in XSD : Activity
 check message c21 content in XSD : Activity

check message c02 content in XSD

Activity owned by 'IM_xy', in package 'Common'

check message c02 content in XSD
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 04.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Information Flow from check message c02 content in XSD to create message

check message c02 content in XSD diagram

Activity diagram in package 'Common'


check message c02 content in XSD
 Version 1.0
 km created on 04.06.2013. Last modified 04.06.2013

Figure 200: check message c02 content in XSD

check message c05 content in XSD

Activity owned by 'IM_xy', in package 'Common'

check message c05 content in XSD
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 04.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Information Flow from check message c05 content in XSD to create message

check message c05 content in XSD diagram

Activity diagram in package 'Common'


check message c05 content in XSD
 Version 1.0
 km created on 04.06.2013. Last modified 04.06.2013

Figure 201: check message c05 content in XSD

check message c09 content in XSD

Activity owned by 'IM_xy', in package 'Common'

check message c09 content in XSD
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 04.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Information Flow from check message c09 content in XSD to create message

check message c09 content in XSD diagram

Activity diagram in package 'Common'


check message c09 content in XSD
 Version 1.0
 km created on 04.06.2013. Last modified 04.06.2013

Figure 202: check message c09 content in XSD

check message c10 content in XSD

Activity owned by 'IM_xy', in package 'Common'

check message c10 content in XSD
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 04.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Information Flow from check message c10 content in XSD to create message

check message c10 content in XSD diagram

Activity diagram in package 'Common'


check message c10 content in XSD
 Version 1.0
 km created on 04.06.2013. Last modified 04.06.2013

Figure 203: check message c10 content in XSD

check message c12 content in XSD

Activity owned by 'IM_xy', in package 'Common'

check message c12 content in XSD
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 04.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Information Flow from check message c12 content in XSD to create message

check message c12 content in XSD diagram

Activity diagram in package 'Common'

check message c12 content in XSD
 Version 1.0
 km created on 04.06.2013. Last modified 04.06.2013

Figure 204: check message c12 content in XSD

check message c14 content in XSD

Activity owned by 'IM_xy', in package 'Common'

check message c14 content in XSD

Version 1.0 Phase 1.0 Proposed

Hantak created on 04.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

◀ Information Flow from check message c14 content in XSD to create message

check message c14 content in XSD diagram

Activity diagram in package 'Common'

check message c14 content in XSD

Version 1.0

km created on 04.06.2013. Last modified 04.06.2013

Figure 205: check message c14 content in XSD

check message c15 content in XSD

Activity owned by 'IM_xy', in package 'Common'

check message c15 content in XSD

Version 1.0 Phase 1.0 Proposed

Hantak created on 04.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

◀ Information Flow from check message c15 content in XSD to create message


check message c15 content in XSD diagram*Activity diagram in package 'Common'*

check message c15 content in XSD
 Version 1.0
 km created on 04.06.2013. Last modified 04.06.2013

Figure 206: check message c15 content in XSD

check message c17 content in XSD*Activity owned by 'IM_xy', in package 'Common'*

check message c17 content in XSD
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 04.06.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 Information Flow from check message c17 content in XSD to create message

check message c17 content in XSD diagram*Activity diagram in package 'Common'*

check message c17 content in XSD
 Version 1.0
 km created on 04.06.2013. Last modified 04.06.2013

Figure 207: check message c17 content in XSD

check message c21 content in XSD*Activity owned by 'IM_xy', in package 'Common'*

check message c21 content in XSD
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 26.05.2013. Last modified 04.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from check message c21 content in XSD to create message

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ Information Flow from create message to check message c21 content in XSD

check message content c21 in XSD diagram

Activity diagram in package 'Common'

check message content c21 in XSD

Version 1.0

Hantak created on 26.05.2013. Last modified 27.05.2013

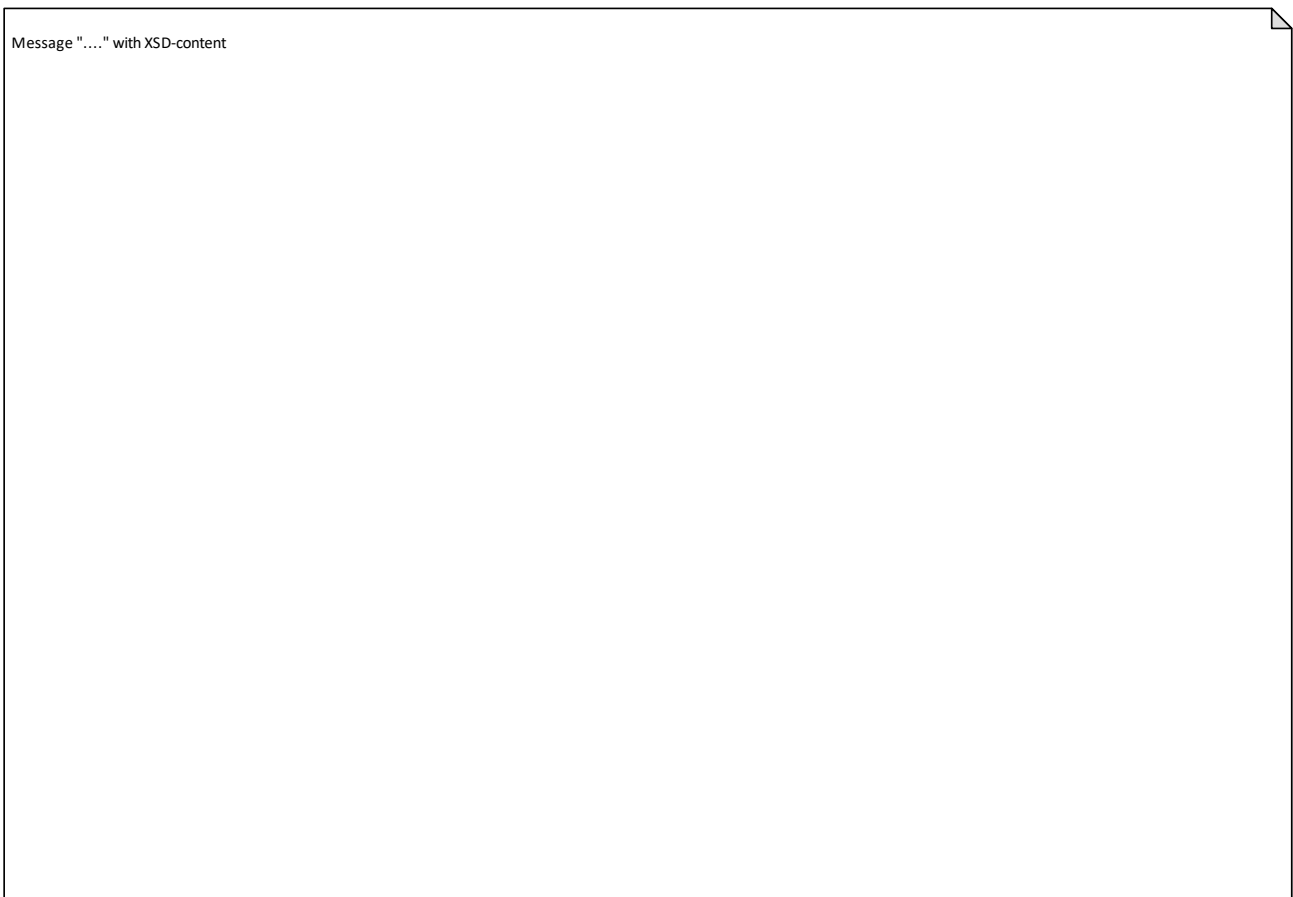






Figure 208: check message content c21 in XSD

IM System

ActivityPartition in package 'Common'

IM System

ELEMENTS OWNED BY IM System
 receive OTN recommended : Activity
 receive PATH ID recommended : Activity
 receive TRAIN ID mandatory : Activity
 Event2 : Event

receive OTN recommended

Activity owned by 'IM System', in package 'Common'

receive OTN recommended
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 18.04.2013. Last modified 19.04.2013

receive PATH ID recommended

Activity owned by 'IM System', in package 'Common'

receive PATH ID recommended
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 18.04.2013. Last modified 18.04.2013

receive TRAIN ID mandatory

Activity owned by 'IM System', in package 'Common'

receive TRAIN ID mandatory
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 18.04.2013. Last modified 18.04.2013

STRUCTURAL PART OF receive TRAIN ID mandatory
 ObjectNode3 : ActionPin

ObjectNode3

ActionPin owned by 'receive TRAIN ID mandatory', in package 'Common'

Event2









Event owned by 'IM System', in package 'Common'

Event2
Version 1.0 Phase 1.0 Proposed
Hantak created on 18.04.2013. Last modified 18.04.2013

IM-System_c22

ActivityPartition in package 'Common'

IM-System_c22
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.04.2013. Last modified 01.05.2013

ELEMENTS OWNED BY IM-System_c22
 Create message : Activity
 send TRAIN ID mandatory : Activity
 send OTN recommended : Activity
 Send PATH ID mandatory : Activity
 send PATH ID recommended : Activity
 send PATH REQUEST ID recommended : Activity
 prepare "related" identifiers : Activity
 prepare "related" identifiers : Activity

Create message

Activity owned by 'IM-System_c22', in package 'Common'

Create message
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.04.2013. Last modified 19.04.2013

send TRAIN ID mandatory

Activity owned by 'IM-System_c22', in package 'Common'

send TRAIN ID mandatory
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.04.2013. Last modified 19.04.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

← ControlFlow from send TRAIN ID mandatory to receive TRAIN ID mandatory

send OTN recommended

Activity owned by 'IM-System_c22', in package 'Common'

send OTN recommended
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.04.2013. Last modified 19.04.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

← ControlFlow from send OTN recommended to receive OTN recommended

Send PATH ID mandatory

Activity owned by 'IM-System_c22', in package 'Common'

Send PATH ID mandatory
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.04.2013. Last modified 19.04.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

← ControlFlow from Send PATH ID mandatory to receive PATH ID mandatory

send PATH ID recommended

Activity owned by 'IM-System_c22', in package 'Common'

send PATH ID recommended
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.04.2013. Last modified 19.04.2013

OUTGOING BEHAVIORAL RELATIONSHIPS


← ControlFlow from send PATH ID recommended to receive PATH ID recommended

send PATH REQUEST ID recommended

Activity owned by 'IM-System_c22', in package 'Common'

send PATH REQUEST ID recommended

Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.04.2013. Last modified 19.04.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from send PATH REQUEST ID recommended to receive PATH REQUEST ID recommended

prepare "related" identifiers

Activity owned by 'IM-System_c22', in package 'Common'

prepare "related" identifiers
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.04.2013. Last modified 01.05.2013

prepare "related" identifiers







Activity owned by 'IM-System_c22', in package 'Common'


















prepare "related" identifiers
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.04.2013. Last modified 19.04.2013


















IM-System_xy



ActivityPartition in package 'Common'

IM-System_xy
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.04.2013. Last modified 02.05.2013

ELEMENTS OWNED BY IM-System_xy
 prepare "RELATED IDENTIFIERS" : Activity
 send RELATED ID 1 optional : Activity
 prepare "RELATED IDENTIFIERS" : Activity
 send RELATED ID 2 optional : Activity
 send RELATED ID 3 optional : Activity
 create message : Activity

ELEMENTS OWNED BY IM-System_xy
 send TRAIN ID mandatory : Activity
 send TRAIN ID optional : Activity
 send CASE REFERENCE ID mandatory : Activity
 send CASE REFERENCE ID optional : Activity
 send PATH REQUEST ID mandatory : Activity
 send PATH REQUEST ID optional : Activity
 send PATH ID mandatory : Activity
 send PATH ID mandatory : Activity
 send PATH ID optional : Activity
 send PATH ID recommended : Activity
 send OTN mandatory : Activity
 send OTN mandatory : Activity
 send OTN optional : Activity
 send OTN recommended : Activity
 send RELATED ID 1 optional : Activity
 receive TRAIN ID mandatory : Activity
 send RELATED ID 2 optional : Activity



ELEMENTS OWNED BY IM-System_xy
 receive TRAIN ID optional : Activity
 send RELATED ID 3 optional : Activity
 receive CASE REFERENCE ID mandatory : Activity
 receive CASE REFERENCE optional : Activity
 receive CASE REFERENCE ID mandatory : Activity
 receive PATH REQUEST ID mandatory : Activity
 receive PATH REQUEST ID optional : Activity
 receive PATH ID mandatory : Activity
 receive PATH ID mandatory : Activity
 receive PATH ID recommended : Activity
 receive CASE REFERENCE ID optional : Activity
 receive OTN optional : Activity
 receive OTN mandatory : Activity
 receive OTN mandatory : Activity
 receive PATH ID optional : Activity
 show message content in legacy system(s) : Activity
 receive OTN optional : Activity



ELEMENTS OWNED BY IM-System_xy
 back to the parent process : ActivityFinal
 Called from the parent-process : ActivityInitial

prepare "RELATED IDENTIFIERS"

Activity owned by 'IM-System_xy', in package 'Common'

prepare "RELATED IDENTIFIERS"
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 23.05.2013. Last modified 23.05.2013


OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from prepare "RELATED IDENTIFIERS" to Set the Identifiers
 ControlFlow from prepare "RELATED IDENTIFIERS" to Set the Identifiers



INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Set the Identifiers to prepare "RELATED IDENTIFIERS"
 ControlFlow from Set the Identifiers to prepare "RELATED IDENTIFIERS"

send RELATED ID 1 optional

Activity owned by 'IM-System_xy', in package 'Common'

send RELATED ID 1 optional
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 23.05.2013. Last modified 23.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from send RELATED ID 1 optional to receive RELATED ID 1 optional

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Set the Identifiers to send RELATED ID 1 optional
 ControlFlow from Set the Identifiers to send RELATED ID 1 optional

prepare "RELATED IDENTIFIERS"

Activity owned by 'IM-System_xy', in package 'Common'

prepare "RELATED IDENTIFIERS"

Version 1.0 Phase 1.0 Proposed

Hantak created on 04.05.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from prepare "RELATED IDENTIFIERS" to Set the Identifiers
⇐ ControlFlow from prepare "RELATED IDENTIFIERS" to Set the Identifiers
⇐ ControlFlow from prepare "RELATED IDENTIFIERS" to Set the Identifiers
⇐ ControlFlow from prepare "RELATED IDENTIFIERS" to Set the Identifiers
⇐ ControlFlow from prepare "RELATED IDENTIFIERS" to Set the identifiers
⇐ ControlFlow from prepare "RELATED IDENTIFIERS" to Set the Identifiers

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from Set the Identifiers to prepare "RELATED IDENTIFIERS"
⇒ ControlFlow from Set the Identifiers to prepare "RELATED IDENTIFIERS"
⇒ ControlFlow from Set the Identifiers to prepare "RELATED IDENTIFIERS"
⇒ ControlFlow from Set the Identifiers to prepare "RELATED IDENTIFIERS"
⇒ ControlFlow from Set the Identifiers to prepare "RELATED IDENTIFIERS"
⇒ ControlFlow from Set the Identifiers to prepare "RELATED IDENTIFIERS"
⇒ ControlFlow from Set the Identifiers to prepare "RELATED IDENTIFIERS"

send RELATED ID 2 optional*Activity owned by 'IM-System_xy', in package 'Common'*

send RELATED ID 2 optional
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 23.05.2013. Last modified 23.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from send RELATED ID 2 optional to receive RELATED ID 2 optional

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Set the Identifiers to send RELATED ID 2 optional

⇒ ControlFlow from Set the Identifiers to send RELATED ID 2 optional

send RELATED ID 3 optional*Activity owned by 'IM-System_xy', in package 'Common'*

send RELATED ID 3 optional
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 23.05.2013. Last modified 23.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from send RELATED ID 3 optional to receive RELATED ID 3 optional

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Set the Identifiers to send RELATED ID 3 optional

⇒ ControlFlow from Set the Identifiers to send RELATED ID 3 optional

create message*Activity owned by 'IM-System_xy', in package 'Common'*

create message
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 29.04.2013. Last modified 03.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from create message to Set the Identifiers

OUTGOING BEHAVIORAL RELATIONSHIPS
↩:: ControlFlow from create message to Set the Identifiers
↩:: ControlFlow from create message to Set the Identifiers
↩:: ControlFlow from create message to Set the Identifiers
↩:: ControlFlow from create message to Set the Identifiers
↩:: Information Flow from create message to check message c21 content in XSD
↩:: ControlFlow from create message to Set the Identifiers
↩:: ControlFlow from create message to Set the Identifiers
↩:: ControlFlow from create message to Set the Identifiers
↩:: ControlFlow from create message to Set the Identifiers

INCOMING BEHAVIORAL RELATIONSHIPS
⇒:: ControlFlow from Called from the parent-process to create message
⇒:: Information Flow from check message c12 content in XSD to create message
⇒:: Information Flow from check message c17 content in XSD to create message
⇒:: Information Flow from check message c10 content in XSD to create message
⇒:: Information Flow from check message c14 content in XSD to create message
⇒:: ControlFlow from check message c21 content in XSD to create message
⇒:: Information Flow from check message c09 content in XSD to create message

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ Information Flow from check message c02 content in XSD to create message</p>
<p>⇒ ControlFlow from Called from the parent-process to create message</p>
<p>⇒ Information Flow from check message c05 content in XSD to create message</p>

send TRAIN ID mandatory

Activity owned by 'IM-System_xy', in package 'Common'

send TRAIN ID mandatory
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 03.05.2013. Last modified 03.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from send TRAIN ID mandatory to receive TRAIN ID mandatory</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Set the Identifiers to send TRAIN ID mandatory</p>
<p>⇒ ControlFlow from Set the Identifiers to send TRAIN ID mandatory</p>
<p>⇒ ControlFlow from Set the Identifiers to send TRAIN ID mandatory</p>
<p>⇒ ControlFlow from Set the Identifiers to send TRAIN ID mandatory</p>
<p>⇒ ControlFlow from Set the Identifiers to send TRAIN ID mandatory</p>
<p>⇒ ControlFlow from Set the Identifiers to send TRAIN ID mandatory</p>
<p>⇒ ControlFlow from Set the Identifiers to send TRAIN ID mandatory</p>

send TRAIN ID optional

Activity owned by 'IM-System_xy', in package 'Common'

send TRAIN ID optional
 Version 1.0 Phase 1.0 Proposed

Hantak created on 23.05.2013. Last modified 26.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇄ ControlFlow from send TRAIN ID optional to receive TRAIN ID optional</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Set the Identifiers to send TRAIN ID optional</p>
<p>⇒ ControlFlow from Identifiers processed to send TRAIN ID optional</p>

send CASE REFERENCE ID mandatory

Activity owned by 'IM-System_xy', in package 'Common'

send CASE REFERENCE ID mandatory
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 02.05.2013. Last modified 03.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇄ ControlFlow from send CASE REFERENCE ID mandatory to receive CASE REFERENCE ID mandatory</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Set the Identifiers to send CASE REFERENCE ID mandatory</p>

send CASE REFERENCE ID optional

Activity owned by 'IM-System_xy', in package 'Common'

send CASE REFERENCE ID optional
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 06.05.2013. Last modified 26.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇄ ControlFlow from send CASE REFERENCE ID optional to receive CASE REFERENCE ID optional</p>
<p>⇄ ControlFlow from send CASE REFERENCE ID optional to receive CASE REFERENCE ID optional</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Set the Identifiers to send CASE REFERENCE ID optional</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Set the Identifiers to send CASE REFERENCE ID optional</p>
<p>⇒ ControlFlow from Set the Identifiers to send CASE REFERENCE ID optional</p>

send PATH REQUEST ID mandatory

Activity owned by 'IM-System_xy', in package 'Common'

send PATH REQUEST ID mandatory
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.04.2013. Last modified 04.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from send PATH REQUEST ID mandatory to receive PATH REQUEST ID mandatory</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Set the Identifiers to send PATH REQUEST ID mandatory</p>
<p>⇒ ControlFlow from Set the Identifiers to send PATH REQUEST ID mandatory</p>
<p>⇒ ControlFlow from Set the Identifiers to send PATH REQUEST ID mandatory</p>

send PATH REQUEST ID optional

Activity owned by 'IM-System_xy', in package 'Common'

send PATH REQUEST ID optional
Version 1.0 Phase 1.0 Proposed
Hantak created on 26.05.2013. Last modified 26.05.2013


OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from send PATH REQUEST ID optional to receive PATH REQUEST ID optional</p>






INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Set the Identifiers to send PATH REQUEST ID optional</p>

send PATH ID mandatory

Activity owned by 'IM-System_xy', in package 'Common'

send PATH ID mandatory
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.04.2013. Last modified 03.05.2013


OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from send PATH ID mandatory to receive PATH ID mandatory


INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Set the Identifiers to send PATH ID mandatory
 ControlFlow from Set the Identifiers to send PATH ID mandatory
 ControlFlow from Set the Identifiers to send PATH ID mandatory
 ControlFlow from Set the Identifiers to send PATH ID mandatory
 ControlFlow from Set the Identifiers to send PATH ID mandatory

send PATH ID mandatory

Activity owned by 'IM-System_xy', in package 'Common'

send PATH ID mandatory
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.04.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
 ControlFlow from send PATH ID mandatory to receive PATH ID mandatory

INCOMING BEHAVIORAL RELATIONSHIPS
 ControlFlow from Set the Identifiers to send PATH ID mandatory

send PATH ID optional

Activity owned by 'IM-System_xy', in package 'Common'

send PATH ID optional
 Version 1.0 Phase 1.0 Proposed

Hantak created on 06.05.2013. Last modified 06.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
ControlFlow from send PATH ID optional to send OTN mandatory
ControlFlow from send PATH ID optional to receive PATH ID optional
ControlFlow from send PATH ID optional to receive PATH ID optional

INCOMING BEHAVIORAL RELATIONSHIPS
ControlFlow from send OTN mandatory to send PATH ID optional
ControlFlow from Set the Identifiers to send PATH ID optional
ControlFlow from Set the Identifiers to send PATH ID optional

send PATH ID recommended

Activity owned by 'IM-System_xy', in package 'Common'

send PATH ID recommended
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.04.2013. Last modified 03.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
ControlFlow from send PATH ID recommended to receive PATH ID recommended
ControlFlow from send PATH ID recommended to send OTN recommended

INCOMING BEHAVIORAL RELATIONSHIPS
ControlFlow from send OTN recommended to send PATH ID recommended
ControlFlow from Set the Identifiers to send PATH ID recommended

send OTN mandatory

Activity owned by 'IM-System_xy', in package 'Common'

send OTN mandatory
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.05.2013. Last modified 06.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from send OTN mandatory to receive OTN mandatory
⇐ ControlFlow from send OTN mandatory to send PATH ID optional

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from Set the Identifiers to send OTN mandatory
⇒ ControlFlow from send PATH ID optional to send OTN mandatory
⇒ ControlFlow from Set the Identifiers to send OTN mandatory
⇒ ControlFlow from Set the Identifiers to send OTN mandatory
⇒ ControlFlow from Set the Identifiers to send OTN mandatory

send OTN mandatory

Activity owned by 'IM-System_xy', in package 'Common'

send OTN mandatory
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.05.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from send OTN mandatory to receive OTN mandatory

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from Set the Identifiers to send OTN mandatory

send OTN optional

Activity owned by 'IM-System_xy', in package 'Common'

send OTN optional
Version 1.0 Phase 1.0 Proposed

Hantak created on 02.05.2013. Last modified 02.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from send OTN optional to receive OTN optional
⇐ ControlFlow from send OTN optional to receive OTN optional

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from Set the Identifiers to send OTN optional
⇒ ControlFlow from Set the Identifiers to send OTN optional
⇒ ControlFlow from Set the Identifiers to send OTN optional

send OTN recommended

Activity owned by 'IM-System_xy', in package 'Common'

send OTN recommended
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.04.2013. Last modified 06.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from send OTN recommended to send PATH ID recommended
⇐ ControlFlow from send OTN recommended to receive OTN recommended
⇐ ControlFlow from send OTN recommended to send PATH ID recommended

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from Set the Identifiers to send OTN recommended
⇒ ControlFlow from Set the Identifiers to send OTN recommended
⇒ ControlFlow from send PATH ID recommended to send OTN recommended
⇒ ControlFlow from send PATH ID recommended to send OTN recommended

send RELATED ID 1 optional

Activity owned by 'IM-System_xy', in package 'Common'

send RELATED ID 1 optional
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 05.05.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from send RELATED ID 1 optional to receive RELATED ID 1 optional</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Set the Identifiers to send RELATED ID 1 optional</p>
<p>⇒ ControlFlow from Set the Identifiers to send RELATED ID 1 optional</p>
<p>⇒ ControlFlow from Set the Identifiers to send RELATED ID 1 optional</p>
<p>⇒ ControlFlow from Set the identifiers to send RELATED ID 1 optional</p>
<p>⇒ ControlFlow from Set the Identifiers to send RELATED ID 1 optional</p>
<p>⇒ ControlFlow from Set the Identifiers to send RELATED ID 1 optional</p>

receive TRAIN ID mandatory

Activity owned by 'IM-System_xy', in package 'Common'

receive TRAIN ID mandatory
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.04.2013. Last modified 03.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from receive TRAIN ID mandatory to Identifiers processed</p>
<p>⇐ ControlFlow from receive TRAIN ID mandatory to Identifiers processed</p>
<p>⇐ ControlFlow from receive TRAIN ID mandatory to Identifiers processed</p>

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from receive TRAIN ID mandatory to Identifiers processed
⇐ ControlFlow from receive TRAIN ID mandatory to Identifiers processed
⇐ ControlFlow from receive TRAIN ID mandatory to Identifiers processed
⇐ ControlFlow from receive TRAIN ID mandatory to Identifiers processed
⇐ ControlFlow from receive TRAIN ID mandatory to Identifiers processed
⇐ ControlFlow from receive TRAIN ID mandatory to Identifiers processed
⇐ ControlFlow from receive TRAIN ID mandatory to Identifiers processed
⇐ ControlFlow from receive TRAIN ID mandatory to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from send TRAIN ID mandatory to receive TRAIN ID mandatory

send RELATED ID 2 optional

Activity owned by 'IM-System_xy', in package 'Common'

send RELATED ID 2 optional
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 05.05.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from send RELATED ID 2 optional to receive RELATED ID 2 optional

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from Set the Identifiers to send RELATED ID 2 optional
⇒ ControlFlow from Set the Identifiers to send RELATED ID 2 optional
⇒ ControlFlow from Set the Identifiers to send RELATED ID 2 optional
⇒ ControlFlow from Set the identifiers to send RELATED ID 2 optional

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒⇒ ControlFlow from Set the Identifiers to send RELATED ID 2 optional</p>
<p>⇒⇒ ControlFlow from Set the Identifiers to send RELATED ID 2 optional</p>

receive TRAIN ID optional

Activity owned by 'IM-System_xy', in package 'Common'

receive TRAIN ID optional
Version 1.0 Phase 1.0 Proposed
Hantak created on 26.05.2013. Last modified 26.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐⇒ ControlFlow from receive TRAIN ID optional to Identifiers processed</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒⇒ ControlFlow from send TRAIN ID optional to receive TRAIN ID optional</p>

send RELATED ID 3 optional

Activity owned by 'IM-System_xy', in package 'Common'

send RELATED ID 3 optional
Version 1.0 Phase 1.0 Proposed
Hantak created on 05.05.2013. Last modified 28.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐⇒ ControlFlow from send RELATED ID 3 optional to receive RELATED ID 3 optional</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒⇒ ControlFlow from Set the Identifiers to send RELATED ID 3 optional</p>
<p>⇒⇒ ControlFlow from Set the Identifiers to send RELATED ID 3 optional</p>
<p>⇒⇒ ControlFlow from Set the Identifiers to send RELATED ID 3 optional</p>
<p>⇒⇒ ControlFlow from Set the identifiers to send RELATED ID 3 optional</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Set the Identifiers to send RELATED ID 3 optional</p>
<p>⇒ ControlFlow from Set the Identifiers to send RELATED ID 3 optional</p>

receive CASE REFERENCE ID mandatory

Activity owned by 'IM-System_xy', in package 'Common'

receive CASE REFERENCE ID mandatory
Version 1.0 Phase 1.0 Proposed
Hantak created on 04.05.2013. Last modified 04.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from receive CASE REFERENCE ID mandatory to Identifiers processed</p>
<p>⇐ ControlFlow from receive CASE REFERENCE ID mandatory to Identifiers processed</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from send CASE REFERENCE ID mandatory to receive CASE REFERENCE ID mandatory</p>

receive CASE REFERENCE optional

Activity owned by 'IM-System_xy', in package 'Common'

receive CASE REFERENCE optional
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.05.2013. Last modified 06.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from receive CASE REFERENCE optional to Identifiers processed</p>
<p>⇐ ControlFlow from receive CASE REFERENCE optional to Identifiers processed</p>
<p>⇐ ControlFlow from receive CASE REFERENCE optional to Identifiers processed</p>
<p>⇐ ControlFlow from receive CASE REFERENCE optional to Identifiers processed</p>

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from send CASE REFERENCE ID optional to receive CASE REFERENCE optional

receive CASE REFERENCE ID mandatory

Activity owned by 'IM-System_xy', in package 'Common'

receive CASE REFERENCE ID mandatory

Version 1.0 Phase 1.0 Proposed

Hantak created on 02.05.2013. Last modified 23.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from receive CASE REFERENCE ID mandatory to Identifiers processed

⇐ ControlFlow from receive CASE REFERENCE ID mandatory to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from send CASE REFERENCE ID mandatory to receive CASE REFERENCE ID mandatory

⇒ ControlFlow from send CASE REFERENCE ID mandatory to receive CASE REFERENCE ID mandatory

receive PATH REQUEST ID mandatory

Activity owned by 'IM-System_xy', in package 'Common'

receive PATH REQUEST ID mandatory

Version 1.0 Phase 1.0 Proposed

Hantak created on 04.05.2013. Last modified 04.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from receive PATH REQUEST ID mandatory to Identifiers processed

⇐ ControlFlow from receive PATH REQUEST ID mandatory to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from send PATH REQUEST ID mandatory to receive PATH REQUEST ID mandatory

receive PATH REQUEST ID optional

Activity owned by 'IM-System_xy', in package 'Common'

receive PATH REQUEST ID optional
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 25.05.2013. Last modified 25.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from receive PATH REQUEST ID optional to Identifiers processed</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from send PATH REQUEST ID optional to receive PATH REQUEST ID optional</p>

receive PATH ID mandatory

Activity owned by 'IM-System_xy', in package 'Common'

receive PATH ID mandatory
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 04.05.2013. Last modified 04.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from receive PATH ID mandatory to Identifiers processed</p>
<p>⇐ ControlFlow from receive PATH ID mandatory to Identifiers processed</p>
<p>⇐ ControlFlow from receive PATH ID mandatory to Identifiers processed</p>
<p>⇐ ControlFlow from receive PATH ID mandatory to Identifiers processed</p>
<p>⇐ ControlFlow from receive PATH ID mandatory to Identifiers processed</p>
<p>⇐ ControlFlow from receive PATH ID mandatory to Identifiers processed</p>
<p>⇐ ControlFlow from receive PATH ID mandatory to Identifiers processed</p>
<p>⇐ ControlFlow from receive PATH ID mandatory to Identifiers processed</p>
<p>⇐ ControlFlow from receive PATH ID mandatory to Identifiers processed</p>
<p>⇐ ControlFlow from receive PATH ID mandatory to Identifiers processed</p>

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from send PATH ID mandatory to receive PATH ID mandatory

receive PATH ID mandatory

Activity owned by 'IM-System_xy', in package 'Common'

receive PATH ID mandatory
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 04.05.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from receive PATH ID mandatory to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from send PATH ID mandatory to receive PATH ID mandatory

receive PATH ID recommended

Activity owned by 'IM-System_xy', in package 'Common'

receive PATH ID recommended
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 19.04.2013. Last modified 06.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from receive PATH ID recommended to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from send PATH ID recommended to receive PATH ID recommended

receive CASE REFERENCE ID optional

Activity owned by 'IM-System_xy', in package 'Common'

receive CASE REFERENCE ID optional
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 06.05.2013. Last modified 26.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS

⇐ ControlFlow from receive CASE REFERENCE ID optional to Identifiers processed

OUTGOING BEHAVIORAL RELATIONSHIPS
↩️ ControlFlow from receive CASE REFERENCE ID optional to Identifiers processed
↩️ ControlFlow from receive CASE REFERENCE ID optional to Identifiers processed
↩️ ControlFlow from receive CASE REFERENCE ID optional to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS
➡️ ControlFlow from send CASE REFERENCE ID optional to receive CASE REFERENCE ID optional
➡️ ControlFlow from send CASE REFERENCE ID optional to receive CASE REFERENCE ID optional

receive OTN optional

Activity owned by 'IM-System_xy', in package 'Common'

receive OTN optional
Version 1.0 Phase 1.0 Proposed
Hantak created on 05.05.2013. Last modified 05.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
↩️ ControlFlow from receive OTN optional to Identifiers processed
↩️ ControlFlow from receive OTN optional to Identifiers processed
↩️ ControlFlow from receive OTN optional to Identifiers processed
↩️ ControlFlow from receive OTN optional to Identifiers processed
↩️ ControlFlow from receive OTN optional to Identifiers processed
↩️ ControlFlow from receive OTN optional to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS
➡️ ControlFlow from send OTN optional to receive OTN optional

receive OTN mandatory

Activity owned by 'IM-System_xy', in package 'Common'

receive OTN mandatory
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 06.05.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
ControlFlow from receive OTN mandatory to Identifiers processed
ControlFlow from receive OTN mandatory to Identifiers processed
ControlFlow from receive OTN mandatory to Identifiers processed
ControlFlow from receive OTN mandatory to Identifiers processed
ControlFlow from receive OTN mandatory to Identifiers processed
ControlFlow from receive OTN mandatory to Identifiers processed
ControlFlow from receive OTN mandatory to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS
ControlFlow from send OTN mandatory to receive OTN mandatory
ControlFlow from send OTN mandatory to receive OTN mandatory

receive OTN mandatory

Activity owned by 'IM-System_xy', in package 'Common'

receive OTN mandatory
 Version 1.0 Phase 1.0 Proposed
 Hantak created on 06.05.2013. Last modified 17.06.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
ControlFlow from receive OTN mandatory to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from send OTN mandatory to receive OTN mandatory</p>

receive PATH ID optional

Activity owned by 'IM-System_xy', in package 'Common'

receive PATH ID optional
Version 1.0 Phase 1.0 Proposed
Hantak created on 06.05.2013. Last modified 26.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from receive PATH ID optional to Identifiers processed</p>
<p>⇐ ControlFlow from receive PATH ID optional to Identifiers processed</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from send PATH ID optional to receive PATH ID optional</p>
<p>⇒ ControlFlow from send PATH ID optional to receive PATH ID optional</p>

show message content in legacy system(s)

Activity owned by 'IM-System_xy', in package 'Common'

show message content in legacy system(s)
Version 1.0 Phase 1.0 Proposed
Hantak created on 05.05.2013. Last modified 05.05.2013

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>⇐ ControlFlow from show message content in legacy system(s) to back to the parent process</p>

INCOMING BEHAVIORAL RELATIONSHIPS
<p>⇒ ControlFlow from Identifiers processed to show message content in legacy system(s)</p>
<p>⇒ ControlFlow from Identifiers processed to show message content in legacy system(s)</p>
<p>⇒ ControlFlow from Identifiers processed to show message content in legacy system(s)</p>

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from receive OTN optional to Identifiers processed
⇐ ControlFlow from receive OTN optional to Identifiers processed
⇐ ControlFlow from receive OTN optional to Identifiers processed

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from send OTN optional to receive OTN optional
⇒ ControlFlow from send OTN optional to receive OTN optional

back to the parent process

ActivityFinal owned by 'IM-System_xy', in package 'Common'

INCOMING BEHAVIORAL RELATIONSHIPS
⇒ ControlFlow from show message content in legacy system(s) to back to the parent process
⇒ ControlFlow from show message content in legacy system(s) to back to the parent process
⇒ ControlFlow from Identifiers processed to back to the parent process

Called from the parent-process

ActivityInitial owned by 'IM-System_xy', in package 'Common'

OUTGOING BEHAVIORAL RELATIONSHIPS
⇐ ControlFlow from Called from the parent-process to create message
⇐ ControlFlow from Called from the parent-process to create message

RU_path request


ActivityPartition in package 'Common'

RU_path request
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 15.03.2013. Last modified 02.05.2013

ELEMENTS OWNED BY RU_path request
<p> From any path request related process : ActivityInitial</p>

From any path request related process







ActivityInitial owned by 'RU_path request', in package 'Common'

OUTGOING BEHAVIORAL RELATIONSHIPS
<p> Information Flow from From any path request related process to PathRequest Message</p>

RU-System_c22

ActivityPartition in package 'Common'

RU-System_c22
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 19.04.2013. Last modified 01.05.2013

ELEMENTS OWNED BY RU-System_c22
<p> receive CASE REFERENCE ID recommended : Activity</p>
<p> receive OTN recommended : Activity</p>
<p> receive PATH ID mandatory : Activity</p>
<p> receive PATH ID recommended : Activity</p>
<p> receive PATH REQUEST ID recommended : Activity</p>
<p> receive TRAIN ID mandatory : Activity</p>

receive CASE REFERENCE ID recommended

Activity owned by 'RU-System_c22', in package 'Common'

receive CASE REFERENCE ID recommended
Version 1.0 Phase 1.0 Proposed

seid.magljalic created on 19.04.2013. Last modified 19.04.2013

receive OTN recommended

Activity owned by 'RU-System_c22', in package 'Common'

receive OTN recommended
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.04.2013. Last modified 19.04.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from send OTN recommended to receive OTN recommended

receive PATH ID mandatory

Activity owned by 'RU-System_c22', in package 'Common'

receive PATH ID mandatory
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.04.2013. Last modified 19.04.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Send PATH ID mandatory to receive PATH ID mandatory

receive PATH ID recommended

Activity owned by 'RU-System_c22', in package 'Common'

receive PATH ID recommended
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.04.2013. Last modified 19.04.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from send PATH ID recommended to receive PATH ID recommended

receive PATH REQUEST ID recommended

Activity owned by 'RU-System_c22', in package 'Common'

receive PATH REQUEST ID recommended
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 19.04.2013. Last modified 19.04.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from send PATH REQUEST ID recommended to receive PATH REQUEST ID recommended

receive TRAIN ID mandatory*Activity owned by 'RU-System_c22', in package 'Common'*

receive TRAIN ID mandatory
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.04.2013. Last modified 19.04.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from send TRAIN ID mandatory to receive TRAIN ID mandatory

RU-System*ActivityPartition in package 'Common'*

RU-System
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.04.2013. Last modified 19.04.2013

ELEMENTS OWNED BY RU-System

☰ Create message : Activity

☰ send TRAIN ID mandatory : Activity

☰ Called from the parent-process : ActivityInitial

Create message*Activity owned by 'RU-System', in package 'Common'*

Create message
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 19.04.2013. Last modified 29.04.2013

INCOMING BEHAVIORAL RELATIONSHIPS

⇒ ControlFlow from Called from the parent-process to Create message

send TRAIN ID mandatory*Activity owned by 'RU-System', in package 'Common'*

send TRAIN ID mandatory
 Version 1.0 Phase 1.0 Proposed

Called from the parent-process

ActivityInitial owned by 'RU-System', in package 'Common'

OUTGOING BEHAVIORAL RELATIONSHIPS

← ControlFlow from Called from the parent-process to Create message

Business Context

Package in package 'Business Process Model'

Business Context
Version 1.0 Phase 1.0 Proposed
created on 05.01.2006. Last modified 05.01.2006

Stakeholders

Package in package 'Business Context'

Stakeholders
Version 1.0 Phase 1.0 Proposed
created on 05.01.2006. Last modified 05.01.2006

Stakeholders diagram

Analysis diagram in package 'Stakeholders'

Stakeholders
Version 1.0
seid.magljalic created on 11.01.2006. Last modified 02.04.2013

Name: Stakeholders
Author: seid.magljalic
Version: 1.0
Created: 11.01.2006 00:00:00
Updated: 02.04.2013 11:59:16

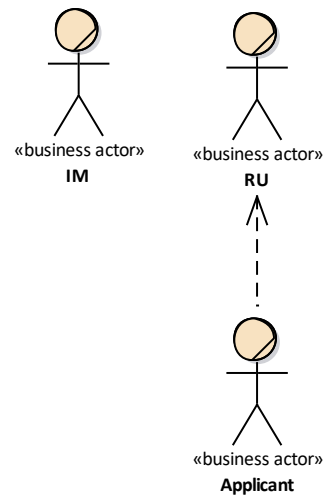


Figure 209: Stakeholders

Text

Text in package 'Stakeholders'

Text
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012
Extends

Applicant

Actor «business actor» in package 'Stakeholders'

Applicant
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.02.2013. Last modified 08.02.2013



CONNECTORS	
 Dependency	Source -> Destination
From:	Applicant : Actor, Public
To:	RU : Actor, Public

IM

Actor «business actor» in package 'Stakeholders'

IM
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012

CONNECTORS	
 UseCaseLink	Source -> Destination
From:	IM : Actor, Public
To:	PathMgmt : UseCase, Public


ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Actor) IM «business actor»	Target: Public (UseCase) Conference (e.g. FTE, RNE) «business use case»
 Association (direction: Unspecified)	
Source: Public (Actor) IM «business actor»	Target: Public (UseCase) IM-IM Coordination «business use case»


RU


Actor «business actor» in package 'Stakeholders'


RU
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 08.11.2012. Last modified 08.11.2012

CONNECTORS

 **UseCaseLink** Source -> Destination
From: RU : Actor, Public
To: Conference (e.g. FTE, RNE) : UseCase, Public

 **UseCaseLink** Source -> Destination
From: RU : Actor, Public
To: RU-RU coordination : UseCase, Public

 **UseCaseLink** Source -> Destination
From: RU : Actor, Public
To: PathMgmt : UseCase, Public

 **Dependency** Source -> Destination
From: Applicant : Actor, Public
To: RU : Actor, Public

Topology










Package in package 'Business Context'

Topology
Version 1.0 Phase 1.0 Proposed
created on 05.01.2006. Last modified 05.01.2006

BusinessCase

Node in package 'Topology'





BusinessCase
Version 1.0 Phase 1.0 Proposed
created on 11.01.2006. Last modified 18.02.2013

ELEMENTS OWNED BY BusinessCase
 CaseReference : Node
 Dossier : Node
 Dossier : Node
 Dossier : Node
 Path : Node
 Path : Node
 Path : Node
 ThroughCoach : Node
 Train : Node

CaseReference

Node owned by 'BusinessCase', in package 'Topology'

CaseReference
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 18.02.2013. Last modified 18.02.2013

ASSOCIATIONS	
 Association (direction: Unspecified) Source: Public (Node) CaseReference	Target: Public (Node) Dossier
 Association (direction: Unspecified) Source: Public (Node) CaseReference	Target: Public (Node) PathRequest
 Association (direction: Unspecified) Source: Public (Node) CaseReference	Target: Public (Node) Train
 Association (direction: Unspecified) Source: Public (Node) CaseReference	Target: Public (Node) ThroughCoach

Dossier

Node owned by 'BusinessCase', in package 'Topology'

Dossier
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 13.02.2013. Last modified 18.02.2013

Dossier



Node owned by 'BusinessCase', in package 'Topology'


Dossier
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 13.02.2013. Last modified 18.02.2013

Dossier

Node owned by 'BusinessCase', in package 'Topology'

Dossier
 Version 1.0 Phase 1.0 Proposed
 seid.maglajlic created on 13.02.2013. Last modified 18.02.2013

ELEMENTS OWNED BY Dossier
 PathRequest : Node
 PathRequest : Node

ELEMENTS OWNED BY Dossier
 PathRequest : Node
 Train V1 : Node
 Train V2 : Node

ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Node) CaseReference	Target: Public (Node) Dossier

PathRequest

Node owned by 'Dossier', in package 'Topology'

PathRequest
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 13.02.2013. Last modified 13.02.2013

ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Node) CaseReference	Target: Public (Node) PathRequest

PathRequest

Node owned by 'Dossier', in package 'Topology'

PathRequest
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 13.02.2013. Last modified 13.02.2013

PathRequest

Node owned by 'Dossier', in package 'Topology'

PathRequest
Version 1.0 Phase 1.0 Proposed
seid.magljalic created on 13.02.2013. Last modified 13.02.2013

Train V1

Node owned by 'Dossier', in package 'Topology'

Train V1
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 13.02.2013. Last modified 18.02.2013

ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Node) ThroughCoach	Target: Public (Node) Train V1

Train V2

Node owned by 'Dossier', in package 'Topology'

Train V2
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.02.2013. Last modified 18.02.2013

Path

Node owned by 'BusinessCase', in package 'Topology'

Path
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 13.02.2013. Last modified 13.02.2013

Path

Node owned by 'BusinessCase', in package 'Topology'

Path
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 13.02.2013. Last modified 13.02.2013

Path

Node owned by 'BusinessCase', in package 'Topology'

Path
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 13.02.2013. Last modified 13.02.2013

ThroughCoach

Node owned by 'BusinessCase', in package 'Topology'



ThroughCoach
 Version 1.0 Phase 1.0 Proposed
 seid.magljalic created on 18.02.2013. Last modified 18.02.2013

ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Node) ThroughCoach</p>	<p>Target: Public (Node) Train V1</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Node) ThroughCoach</p>	<p>Target: Public (Node) Train</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Node) CaseReference</p>	<p>Target: Public (Node) ThroughCoach</p>

Train

Node owned by 'BusinessCase', in package 'Topology'

Train
Version 1.0 Phase 1.0 Proposed
seid.maglajlic created on 18.02.2013. Last modified 18.02.2013

ASSOCIATIONS	
<p> Association (direction: Unspecified)</p> <p>Source: Public (Node) CaseReference</p>	<p>Target: Public (Node) Train</p>
<p> Association (direction: Unspecified)</p> <p>Source: Public (Node) ThroughCoach</p>	<p>Target: Public (Node) Train</p>