

# 2nd report of the TAP TSI Implementation

RU/IM Telematics Joint Sector Group (JSG)

February 2018



Version 1.1

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## Document history

| Version | Name               | Changes  | Date       |
|---------|--------------------|--|------------|
| 0.1     | Jan-Christian Arms | Initial version for IRG                                | 12.02.2018 |
| 0.2     | Jan-Christian Arms | Revised at IRG   | 15.02.2018 |
| 0.3     | Jan-Christian Arms | Agreed at ERA/JSG consultation meeting                 | 16.02.2018 |
| 0.4     | Jan-Christian Arms | Approved at JSG  | 27.02.2018 |
| 1.0     | Jan-Christian Arms | Document finalised after ERA TAF TSI Cooperation Group | 04.04.2018 |
| 1.1     | Jan-Christian Arms | Corrections following NCP remarks                      | 09.04.2018 |

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## EXECUTIVE SUMMARY

This 2<sup>nd</sup> TAP implementation report summarized the results received via the JSG Reporting Tool in January 2018 and thus shows the status of implementation by 31 December 2017.

While invitations have grown again, responses have shown only little development, stagnating again from the 6th to the 7th reporting session. The response rate however, descended for the first time to 34 % from a previously stable value of around 40 %. Lower absolute numbers of participation result from the fact, that participation of RUs-P has decreased.

Therefore, an effort to have a more complete view of the company's feedback was made by inclusion of data from the previous reporting session in this report.

Regarding the TAF TSI functions reported, the following Levels of Fulfilment can be observed:

- The majority of IMs reported to have completed the Primary Location Codes on their network.
- The majority of companies (IMs nearly 80 %, RUs-P nearly 70 %) are identified by Company Code.
- The level of fulfilment for Common Interface shows a remarkable difference between IMs and RUs-P. Half of IMs have already implemented, while most of RUs-P are still developing.
- One third of participating IMs have Train Running Information in production, whereas this is only the case for one RU-P out of ten.

Only a part of the companies invited to participate to the survey deliver feedback. Consequently the degree of implementation relative to invitations is always considerably lower than the degree of implementation relative to responses. It is likely, that the degree of implementation as set out in this report does not reflect real situation.

The questionnaire contained also few statistical questions, such as line-km, ton-km and passenger-km. After analysing this data the IRG was unable to draw a clear picture of the actual situation for whole Europe. Therefore the IRG suggests removing these specific questions from the questionnaire for the next reporting session.

## 1. BACKGROUND TO THE ASSIGNMENT

Commission Regulation (EU) No 454/2011, relating to the Telematics Applications for Passengers subsystem (TAP TSI), entered into force in May 2011. The purpose of the TAP TSI is to define European-wide procedures and interfaces between all types of railway industry actors such as passengers, railway undertakings, infrastructure managers, station managers, public transport authorities, ticket vendors and tour operators. The TAP TSI is designed to contribute to an interoperable and cost-efficient information exchange system for Europe that enables the provision of high quality journey information and ticket issuing to passengers in a cost effective manner, thus also fulfilling requirements of the Passenger Rights Regulation (Regulation (EC) No 1371/2007).

Under this Regulation the European Union Agency for Railways (ERA) shall assess and oversee its implementation.

The Agency has established the 'TAF TSI Implementation Cooperation Group' in order to evaluate the reports of the sector. The remit of this group is monitoring the parameters for RU/IM communication of both TAF and TAP TSIs. Members of the European railway sector are encouraged to submit their reports through the JSG to the Agency.

## 2. METHODOLOGY

### General assumptions

Starting with the 6<sup>th</sup> Reporting session, the monitoring of RU/IM functions is being carried out using one common questionnaire for both TAF and TAP TSIs. However, results from the survey are presented in two separate reports.

The progress of implementation of the TAF and TAP TSI is reported twice a year based on the following assumptions:

- Companies are reporting per mandatory TAF or TAP TSI function compared to their own Master Plan target date. In case there is no company Master Plan it will be reported against the target implementation date.
- The level of fulfilment will be displayed in predetermined percentage steps at 0%, 25%, 50%, 75% and 100%.
- Each message based function is realized at 100%, if there is at least one implementation of message exchange in production, even if with a single partner only.

The level of fulfilment in terms of percentage steps are defined as follows:

- 0% - Level 1: Not started - Project not launched
- 25% - Level 2: Initiating phase - Implementation plan is available in the company
- 50% - Level 3: Planning phase - Project development
- 75% - Level 4: Executing phase - Pilot project / System testing
- 100% - Level 5: In-Production & Monitor and Control: Finished means Telematics data exchange is implemented

The obligation to meet functions of the TAF and TAP TSI is sometimes limited to specific stakeholders of the railway sector. Evaluation of the results of this survey is therefore stakeholder-specific. For that reason and in accordance with European legislation the following stakeholders are taken into account:

- Infrastructure Manager (IM)
- Railway Undertaking for Freight transport (RU-F)
- Railway Undertaking for Passenger transport (RU-P)
- Wagon Keeper (WK)
- Allocation Body (AB)

### Establishment of this report

This report summarised the results received via the JSG Reporting Tool during the seventh overall reporting period lasting from 2 January 2018 to 26 January 2018 and thus shows the status of implementation by 31 December 2017. Diagrams in the following chapters of this report show results per RU/IM function summarised in an anonymous way.

Table 1 gives an overview about the history of reporting periods.

| Report session  | Reporting period        | Number of questions <sup>1</sup> |
|---|-------------------------|----------------------------------|
| 1 <sup>st</sup> Report TAF                            | 01.07.2014 - 31.12.2014 | 21                               |
| 2 <sup>nd</sup> Report TAF                            | 01.01.2015 - 30.06.2015 | 40                               |
| 3 <sup>rd</sup> Report TAF                            | 01.07.2015 - 31.12.2015 | 42                               |
| 4 <sup>th</sup> Report TAF                            | 01.01.2016 - 30.06.2016 | 53                               |
| 5 <sup>th</sup> Report TAF                            | 01.07.2016 - 31.12.2016 | 57                               |
| 6 <sup>th</sup> Report TAF/1 <sup>st</sup> Report TAP | 01.01.2017 - 30.06.2017 | 91                               |
| 7 <sup>th</sup> Report TAF/2 <sup>nd</sup> Report TAP | 01.07.2017 - 31.12.2017 | 65                               |

Table 1: Reporting periods

The ‘TAF/TAP TSI Implementation Report Volume 7’ questionnaire contains ten question groups, eight of which are about the current implementation of TAF and TAP TSI functions:

| TAF/TAP TSI functions for RU/IM communication to be implemented/reported per type of company |   | Type of company |      |      |    |    |
|--|---|-----------------|------|------|----|----|
|  |   | IM              | RU-F | RU-P | WK | AB |
| TAF/TAP TSI function   | Primary Location Codes (PLC)                      | X               |      |      |    |    |
|  | Company Code (CC)                                 | X               | X    | X    | X  | X  |
|  | Common Interface (CI)                             | X               | X    | X    | X  | X  |
|  | Train Running Information (TRI)                   | X               | X    | X    |    |    |
|  | Train Composition Message (TCM)                   | X               | X    |      |    |    |
|  | Consignment Note Data (CND)                       |                 | X    |      |    |    |
|  | Wagon InterModal unit Operational database (WIMO) |                 | X    |      |    |    |
|  | Rolling Stock Reference Database (RSRD)           |                 |      |      | X  |    |

Table 2: TAF/TAP TSI functions as reported per type of company

- Primary Location Codes (PLC) - IMs only
- Company Code (CC) - all companies
- Common Interface (CI) - all companies
- Train Running Information (TRI) - IMs, RUs-F and RUs-P
- Train Composition Message (TCM) - IMs and RUs-F
- Consignment Note Data (CND) - RUs-F only
- Wagon and Intermodal Unit Operating Database (WIMO) - RUs-F only
- Rolling Stock Reference Database (RSRD) - WKs only

Two more general question groups intend to find out the actual situation and intentions of companies:

- Company information
- Sector Tools in use

This report was drafted by the Implementation Reporting Group (IRG), the members of which are listed in Annex 1. As a result, it was endorsed at the JSG meeting on 27 February 2018 and published accordingly. It will be presented at the ERA TAF TSI Implementation Cooperation Group meeting on 14 and 15 March 2018.

<sup>1</sup> Please note, the questions in the TAF and TAP RU/IM questionnaire are context specific. The number of question to be responded, depend on the type of company and is not the total number listed in the table 1.



### 3. PARTICIPATION IN THE 2ND REPORTING SESSION

#### Responses to the survey

The number of project managers invited to report about the implementation of the TAF TSI and TAP TSI is shown in diagram 1 together with the number of responses received thereof. Starting from the first report, invitations have grown continuously. Since the third report, responses have shown only little development, stagnating again from the 6th to the 7th reporting session.

The 7th report includes 70 WKs submitted by UIP using RSRD2.

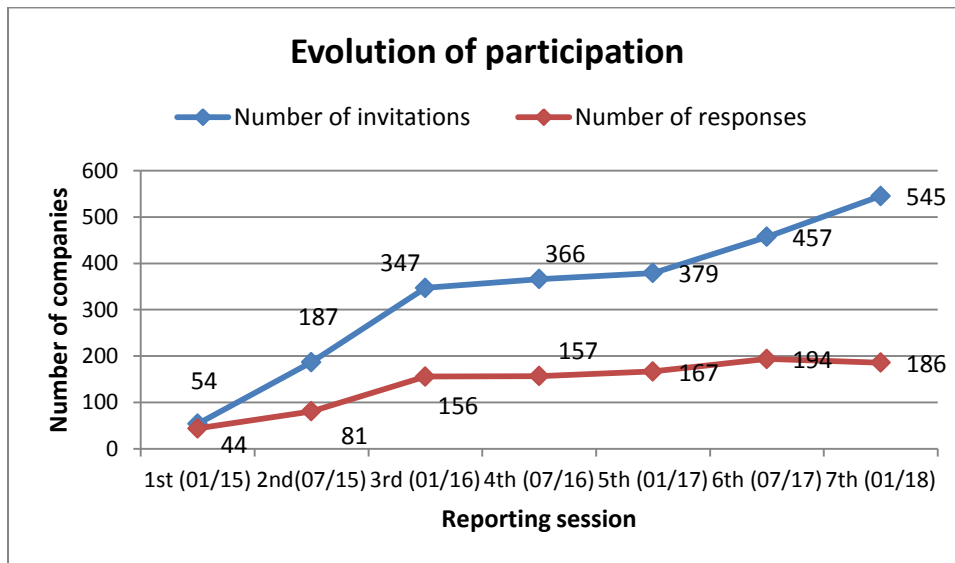


Diagram 1: Evolution of participation over time

The response rate however, calculated as number of responses in relation to number of invitations, descended for the first time to 34 % from a previously stable value of around 40 %, mainly due to the higher number of invitations (see diagram 2).

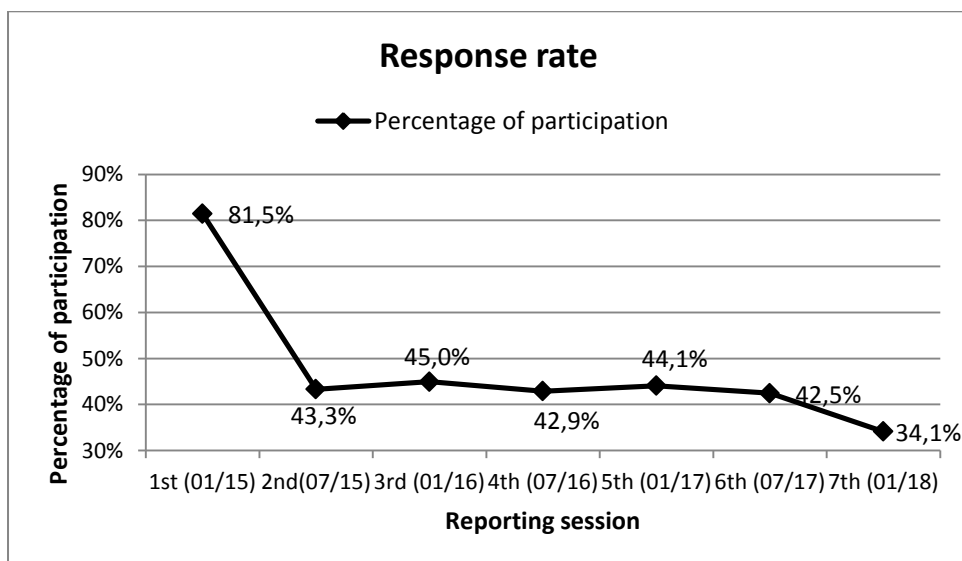


Diagram 2: Evolution of response rate over time

Diagram 3 displays the distribution of total responses per country. The feedback comprises 22 EU Member States plus Norway, Switzerland and Turkey. The average number of answers per country is close to 8.

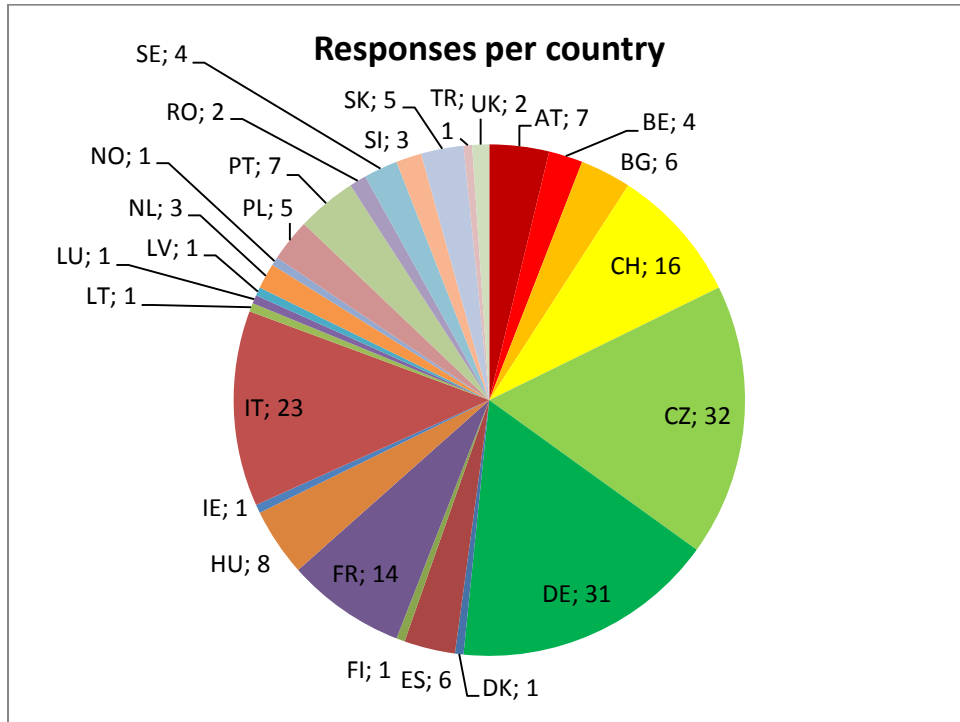


Diagram 3: Number of responses per country

Diagram 4 shows the distribution and the development of responses per country.

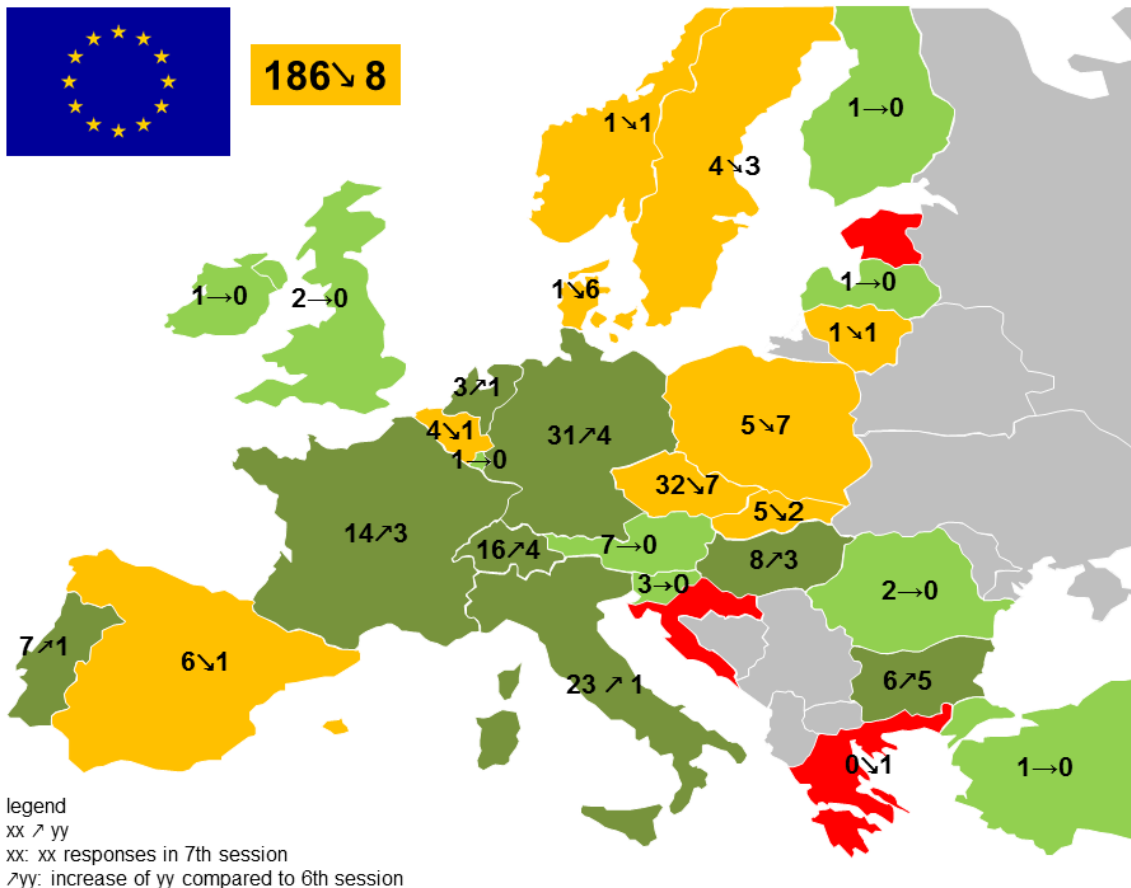


Diagram 4: Evolution of responses per country

## Participation per company type

Companies in this survey may have multiple roles, such as RU and WK at the same time. Therefore, the total number of responses displayed in diagram 1 (186 companies) and listed in Annex 2 is lower than the total number of company types shown in diagram 5 hereafter (231 companies).

Compared to the previous survey, the number of types of company went down, mainly caused by missing RUs-P (- 15).

Annex 2 ‘Responses contact list v7’ to this report gives a detailed overview about the companies per country having replied to the seventh session of TAF and TAP TSI implementation monitoring. Please note, that there are entities which have reported on behalf of several companies.

Annex 3 ‘Responses contact list v6’ to this report lists the companies per country having replied to the sixth session of TAF and TAP TSI implementation monitoring and not to the present one.

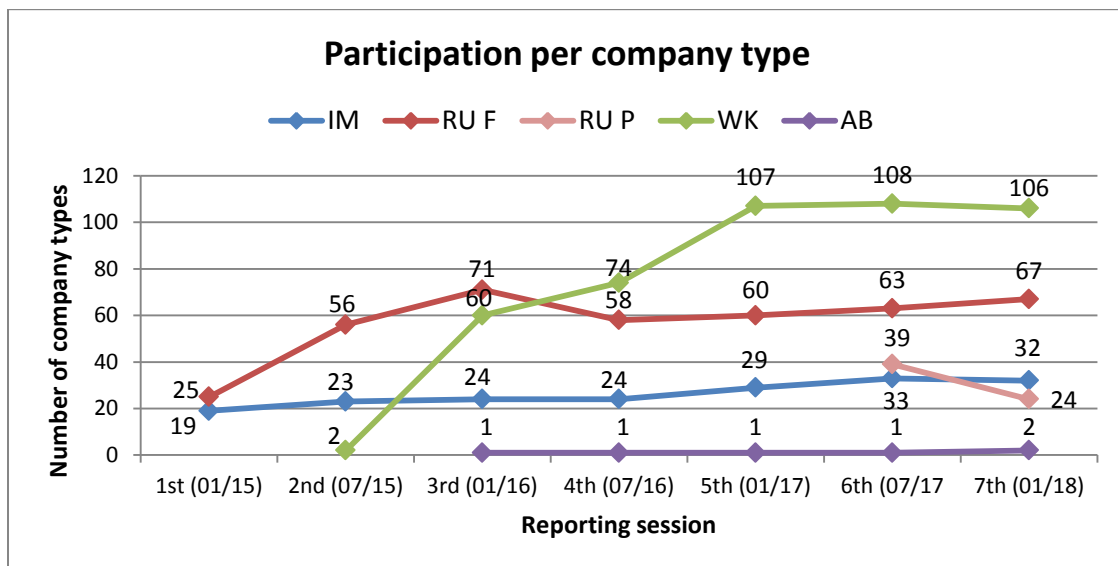


Diagram 5: Evolution of participating per company type over time

#### 4. DATA BASIS FOR EVALUATION

In order to establish a wider sector representation, 43 companies from the previous survey, which have not replied this time, are also taken into consideration. For companies having reported to both surveys, only the company information from the 7th session is included.

Diagram 6 displays the total number of types of company (272) with their allocation to 6th and/or 7th reporting session. The reporting period thus represents the whole year 2017.

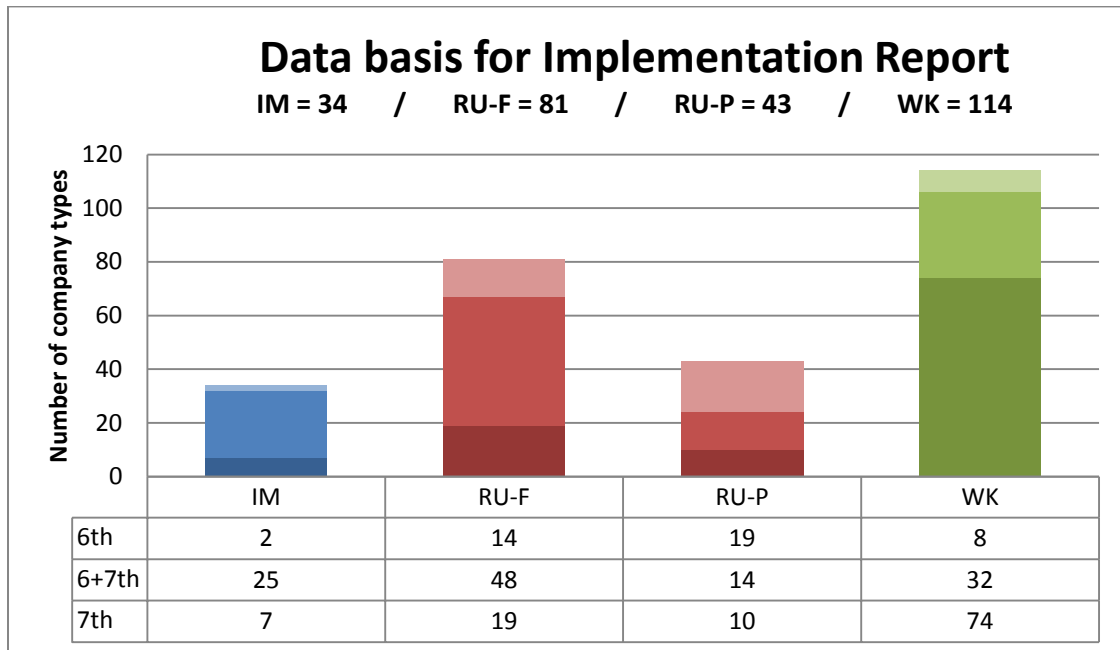


Diagram 6: Number of types of company per reporting session

## 5. IMPLEMENTATION MONITORING OF TAP TSI FUNCTIONS

### Common Reference Files - Primary Location Codes (IMs)

The Target Implementation Milestone for realisation of the Primary Location Code Function (PLC) according to the TAP TSI Masterplan was 2015. This activity corresponds to Primary Location Codes, which have to be defined by IMs. Consequently, the following diagram only refers to IMs. Responses refer to initial upload of primary location codes, but update and maintenance process and use of codes is a different issue and not yet taken into account.

Diagram 7 indicates, that the majority of IMs reported to have completed the Common Reference Files for locations on their network. However, complete population of PLC is not yet reached. Regarding the level of fulfilment of PLC implementation, diagram 7 shows 22 IMs with complete implementation. 2 out of 34 IMs in the evaluation are considered with data from the previous survey.

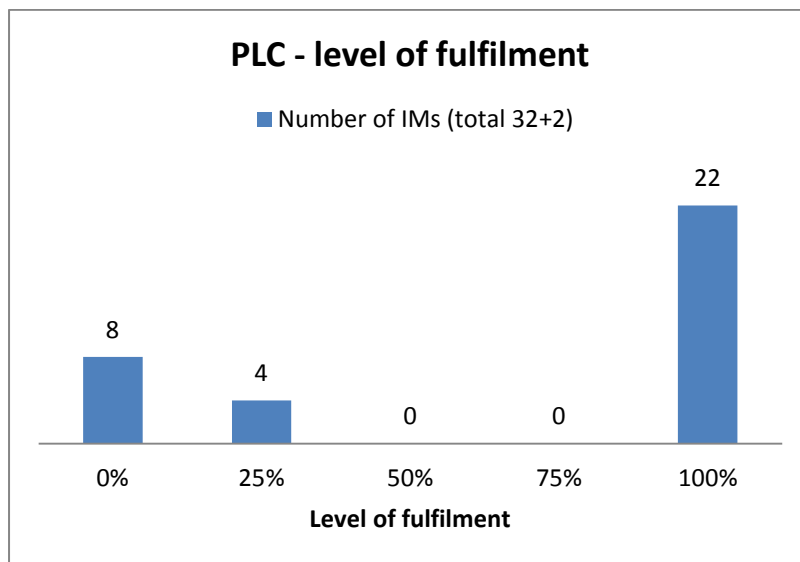


Diagram 7: Common Reference Files - Primary Location Codes (PLC)

Diagram 8 shows complete implementation of PLC in relation to the number of IM responses.

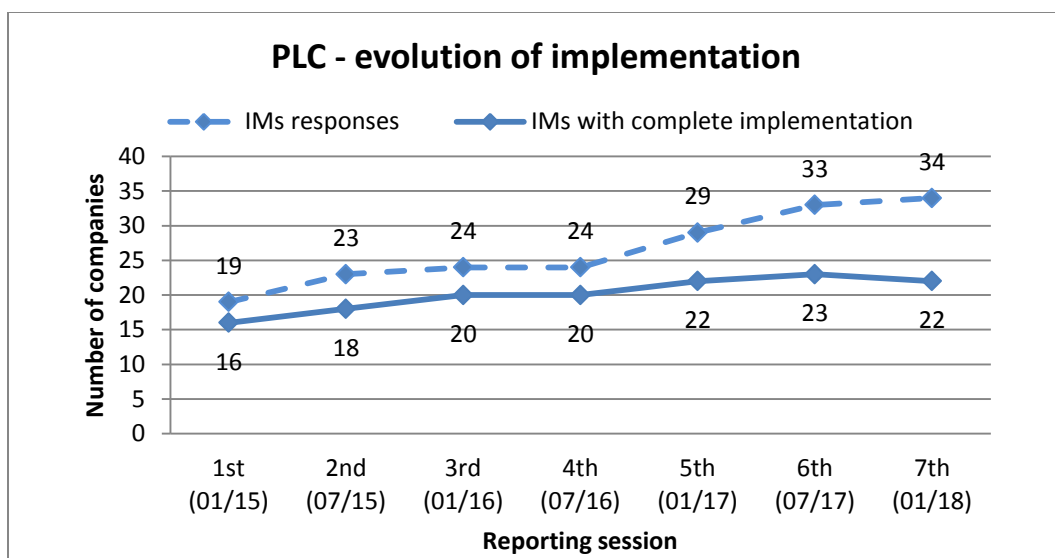


Diagram 8: Evolution of implementation for PLC

## Common Reference Files - Company Code (all companies)

The Target Implementation Milestone for realisation of the Company Code Function (CC) according to the TAP TSI Masterplan was 2015.

The bar chart below (diagram 9) is indicating the existence and use of company codes as part of the Common Reference Files for IMs and RUs-P. For CCs only two predefined percentage steps exist, because either a company does have an own CC or not.

The vast majority of companies having replied to the query possess a CC. However, the absolute number for RUs-P is higher than for IMs.

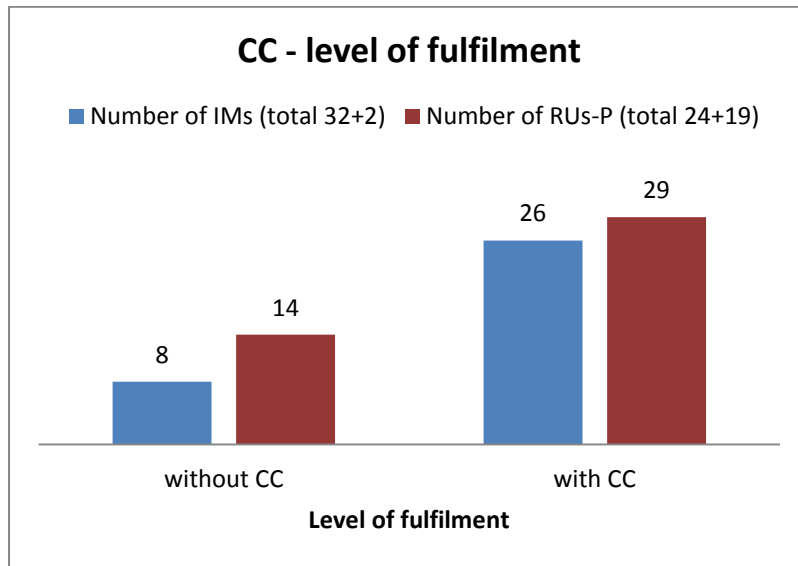


Diagram 9: Common Reference Files - Company Codes (CC)

According to Diagram 10, the number of companies with CCs went down for IMs and grew for RUs-P. The degree of implementation with about 75 % for IMs is 10 % higher than for RUs-P.

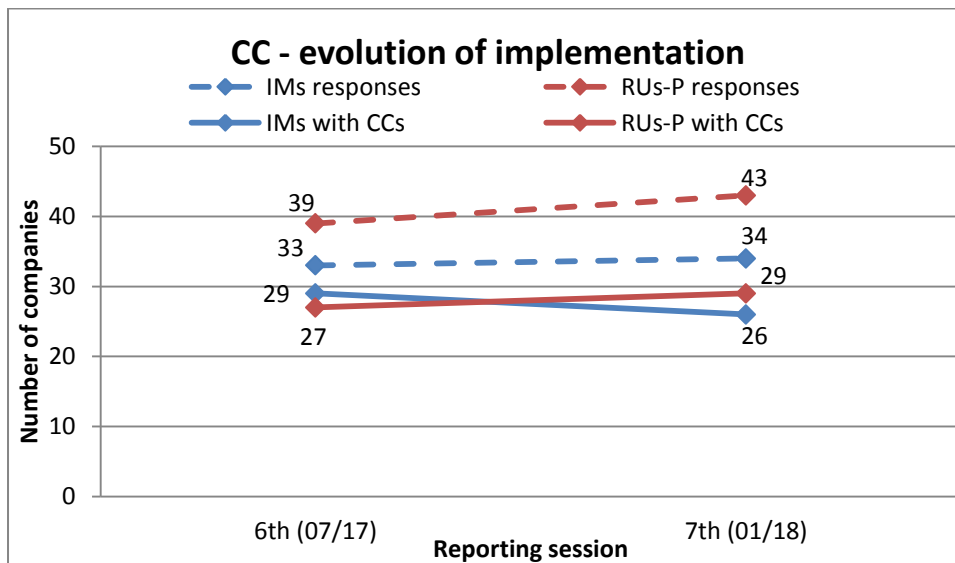


Diagram 10: Evolution of implementation for CC

## Common Interface Implementation (all companies)

The Target Implementation Milestone for realisation of the Common Interface Function (CI) according to the TAP TSI Masterplan was 2015.

Diagram 11 summarises the feedback related to the availability of CI and shows a difference in level of fulfilment between IMs and RUs-P. The CI is completely implemented by 18 IMs and 4 RUs-P.

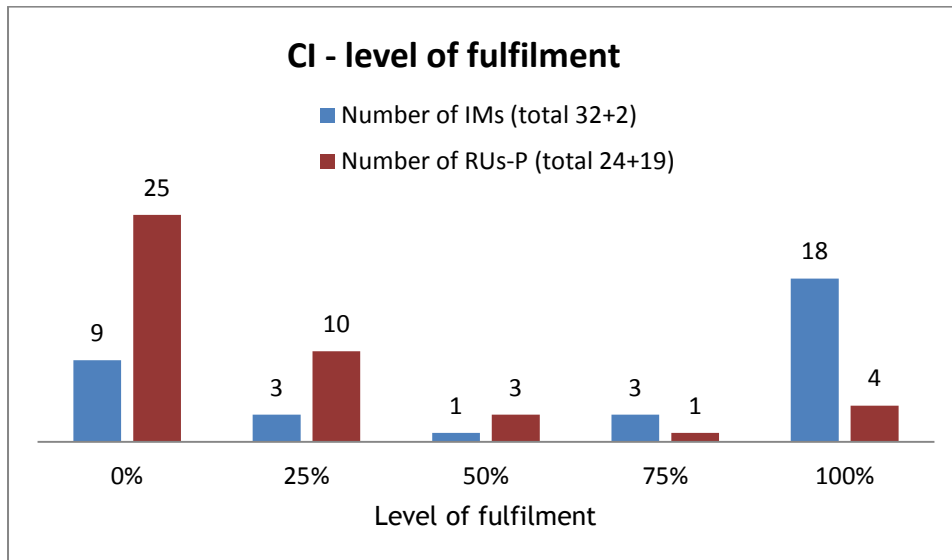


Diagram 11: Common Reference Files - Common Interface (CI)

The developments of complete implementation of the CI over time according to diagram 12 shows again the relation to the number of responses per company type. 50% of IMs have already finished the implementation of the CI. However, with completion being at hardly 10% of responding companies, the majority of RUs-P is still developing.

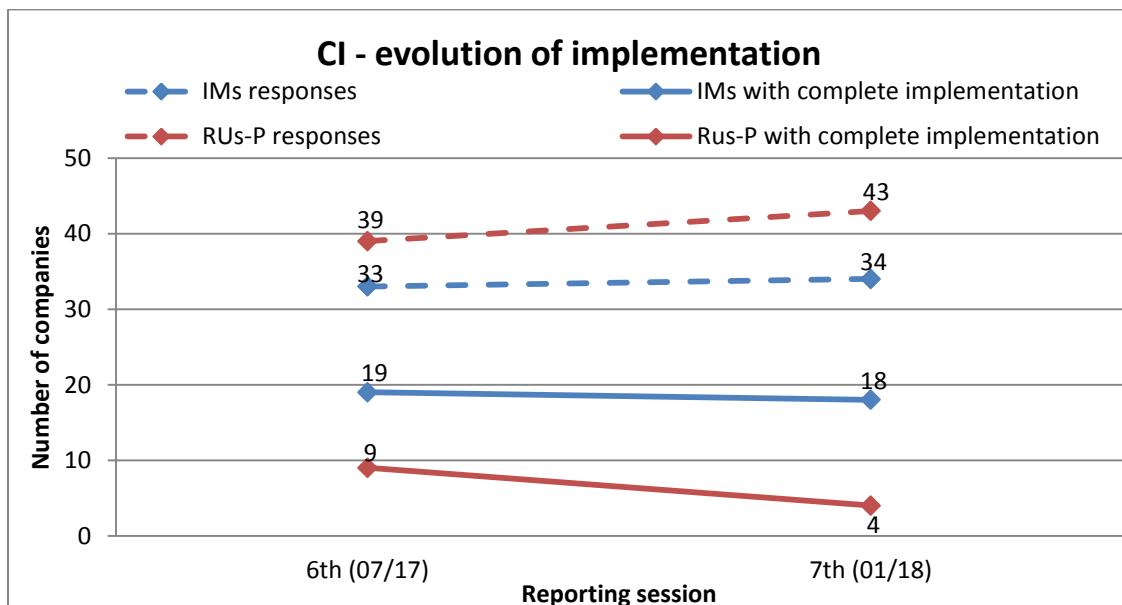


Diagram 12: Evolution of implementation for CI

## Train Running Information (IMs and RUs-P)

The Target Implementation Milestone for realisation of the Train Running Information message (TRI) according to the TAP TSI Masterplan was end of 2017 for IMs and is end of 2018 for RUs-P. This monitoring concerns only one aspect of the TAP TSI basic parameter ‘Train running forecast’, the Train Running Information message. The Train Information System (TIS) is a common sector tool managed by RNE. Messages sent by IMs to TIS or messages received by RUs from TIS through traditional interfaces are considered as 75 % complete fulfilment and TAF messages sent or received by Common Interface are counted as 100 % fulfilment.

Diagram 13 indicates 12 IMs and 5 RUs-P with 100 % level of fulfilment. This leads to a degree of implementation for IMs and RUs-F having reported to the JSG Reporting Tool of about 35 % and 10 %.

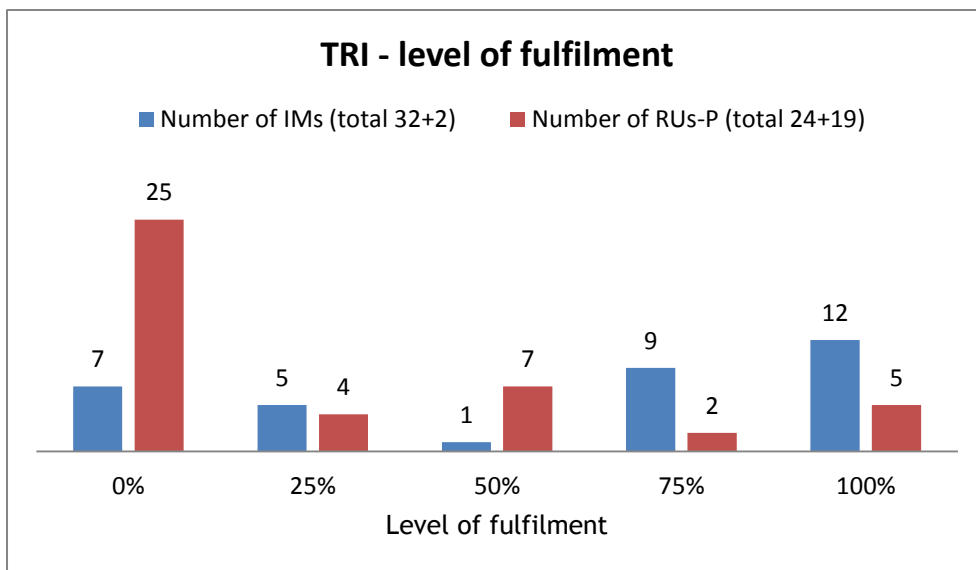


Diagram 13: Train Running Information (TRI)



Diagram 14 gives an impression about the state of implementation of TRI by IMs in countries across Europe. The IMs having the longest network have been taken as relevant for the country. For IMs still in development the current planned end date and the respective level of fulfilment is shown in diagram 14.

Among the IMs there are 8 small companies, such as harbours, having responded to this survey. Contrary to the level of fulfilment of dominating IMs, such small companies have not even started projects.

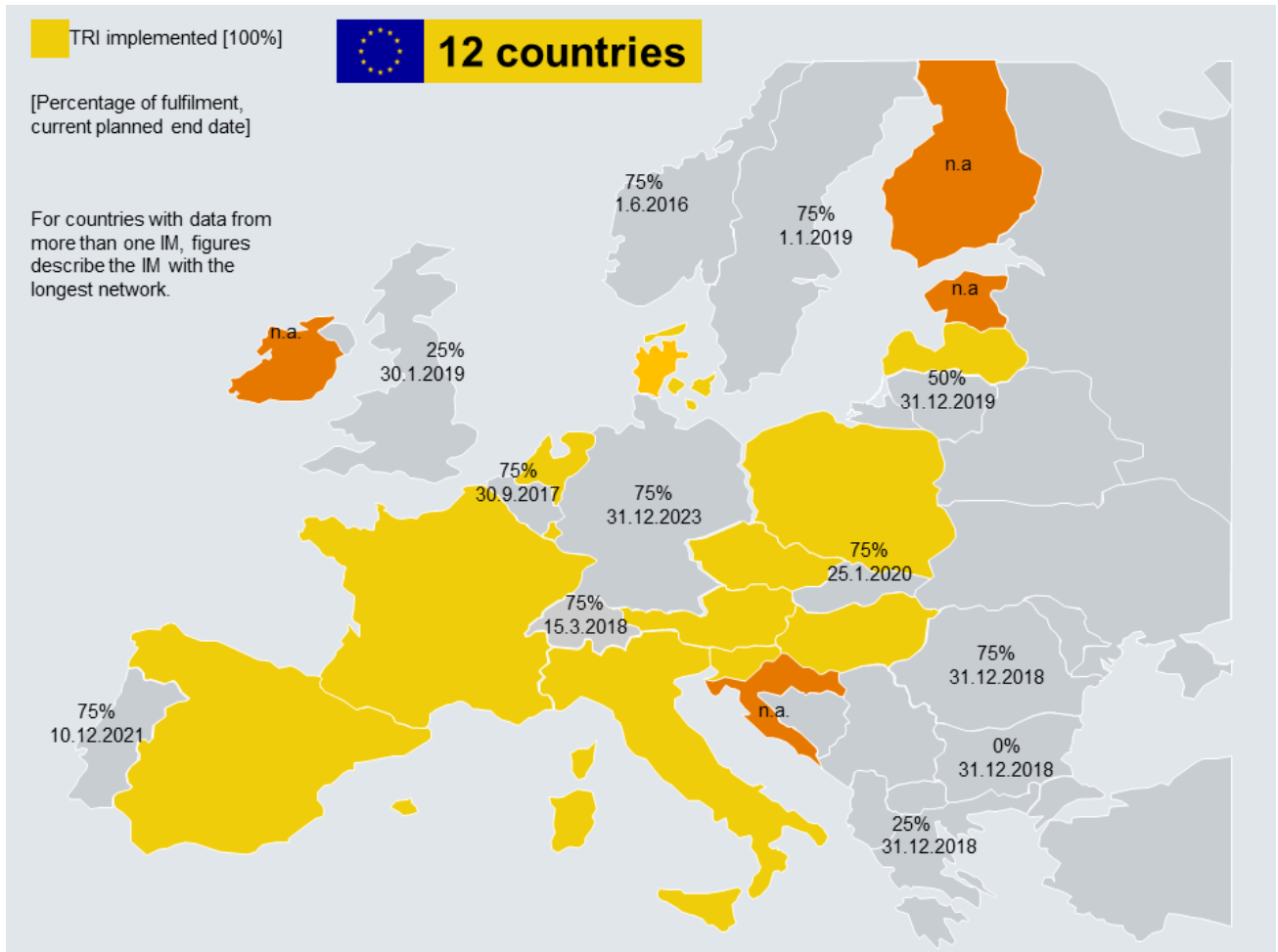


Diagram 14: Implementation of TRI of IMs across European countries

## Reasons for not starting implementation of TAF/TAP TSI functions

Companies could declare in a dedicated answer for each TAF/TAP TSI function one reason why they did not yet start implementing it. Diagram 15 gives a summary of the reasons selected by the companies.

Feedback regarding reasons for not implementing increased with plus 61 in total more than participation to the survey. All categories were affected by that evolution.

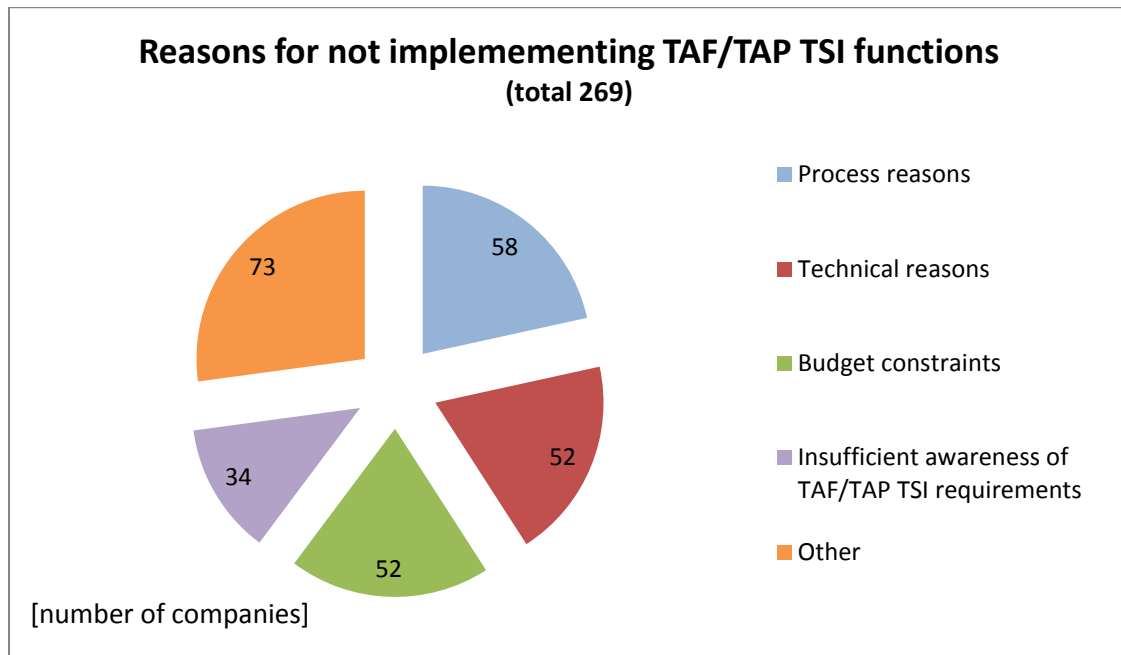


Diagram 15: Reasons for not starting implementation of TAF/TAP TSI functions

## **7. CONCLUSION AND FINDINGS**

It is yet too early to draw any conclusion related to implementation of particular TAP RU/IM functions.

Conclusions about trends can be drawn in the next TAP TSI Implementation Report after three consecutive surveys.

## ANNEX 1: MEMBERS OF THE IMPLEMENTATION REPORTING GROUP (IRG)

| Last Name           | First Name    | Company    | e-mail   |
|---------------------|---------------|------------|--|
| <b>Arms (Chair)</b> | Jan-Christian | DB AG      | <a href="mailto:jan-christian.arms@deutschebahn.com">jan-christian.arms@deutschebahn.com</a> |
| <b>Achermann</b>    | Rudolf        | SBB        | <a href="mailto:rudolf.achermann@sbb.ch">rudolf.achermann@sbb.ch</a>                         |
| <b>Achille</b>      | Vito Sante    | RFI        | <a href="mailto:v.achille@rfi.it">v.achille@rfi.it</a>                                       |
| <b>Heydenreich</b>  | Thomas        | UIP        | <a href="mailto:rsd@th-heydenreich.de">rsd@th-heydenreich.de</a>                             |
| <b>Lo Duca</b>      | Carmen        | Trenitalia | <a href="mailto:c.loduca@trenitalia.it">c.loduca@trenitalia.it</a>                           |
| <b>Mastrodonato</b> | Emanuele      | CER        | <a href="mailto:ema@cer.be">ema@cer.be</a>   |
| <b>Weber</b>        | Christian     | SNCF       | <a href="mailto:christian.weber@sncf.fr">christian.weber@sncf.fr</a>                         |

## ANNEX 2: RESPONSES CONTACT LIST V7

| Nr. | Member State | Type of Company | Company name  | Reporting Entity  |
|-----|--------------|-----------------|---|-------------------|
| 1   | AT           | IM              | ÖBB Infrastruktur AG                                |                   |
| 2   | AT           | RU-FWK          | Rail Cargo Austria AG                               |                   |
| 3   | AT           | WK              | Bahnbau Wels GmbH                                   | RSRD <sup>2</sup> |
| 4   | AT           | WK              | Felbermayr Transport- und Hebetchnik GmbH & Co KG   | RSRD <sup>2</sup> |
| 5   | AT           | WK              | GATX Rail Austria GmbH                              | RSRD <sup>2</sup> |
| 6   | AT           | WK              | Logistik Service GmbH                               | RSRD <sup>2</sup> |
| 7   | AT           | WK              | Propangas AG  | RSRD <sup>2</sup> |
| 8   | BE           | IM              | Infrabel  |                   |
| 9   | BE           | WK              | LINEAS  | RSRD <sup>2</sup> |
| 10  | BE           | WK              | LINEAS GROUP  | RSRD <sup>2</sup> |
| 11  | BE           | WK              | LINEAS Intermodal                                   | RSRD <sup>2</sup> |
| 12  | BG           | IM              | NRIC  |                   |
| 13  | BG           | RU-F            | BDZ Cargo   |                   |
| 14  | BG           | RU-F            | Bulgarian Railway Company (BRC)                     |                   |
| 15  | BG           | RU-F            | EXPRESS SERVICE OOD                                 |                   |
| 16  | BG           | RU-F            | Rail Cargo Carrier - Bulgaris Ltd.                  |                   |
| 17  | BG           | RU-FWK          | DB Cargo Bulgaria                                   | DB Cargo AG       |
| 18  | CH           | IM              | BLS-Netz AG   |                   |
| 19  | CH           | IM              | SBB AG, Division Infrastruktur                      |                   |
| 20  | CH           | RU-F            | BLS Cargo   |                   |
| 21  | CH           | RU-F            | SBB Cargo International                             |                   |
| 22  | CH           | RU-F            | WRS Widmer Rail Services AG                         |                   |
| 23  | CH           | RU-FWK          | DB Cargo Switzerland                                | DB Cargo AG       |
| 24  | CH           | RU-FWK          | SBB CARGO AG  |                   |
| 25  | CH           | RU-P            | SBB AG, Division Personenverkehr                    |                   |
| 26  | CH           | WK              | Diversified Investments SA                          | RSRD <sup>2</sup> |
| 27  | CH           | WK              | Ermewa SA, Geneva branch                            | RSRD <sup>2</sup> |
| 28  | CH           | WK              | HASTAG (Zürich) AG                                  | RSRD <sup>2</sup> |
| 29  | CH           | WK              | MITRAG AG   | RSRD <sup>2</sup> |
| 30  | CH           | WK              | SBB Cargo AG  | RSRD <sup>2</sup> |
| 31  | CH           | WK              | TRANSWAGGON AG                                      | RSRD <sup>2</sup> |
| 32  | CH           | WK              | VTG Schweiz GmbH                                    | RSRD <sup>2</sup> |
| 33  | CH           | WK              | WASCOSA AG Luzern                                   | RSRD <sup>2</sup> |
| 34  | CZ           | IM              | PDV RAILWAY a.s.                                    |                   |
| 35  | CZ           | IM              | Správa železniční dopravní cesty, státní organizace |                   |
| 36  | CZ           | RU-F            | BF Logistics s.r.o.                                 |                   |
| 37  | CZ           | RU-F            | DBV-ITL, s.r.o.                                     |                   |
| 38  | CZ           | RU-F            | LTE Logistik a Transport Czechia s.r.o.             | LTE Group         |
| 39  | CZ           | RU-F            | MH-spedition s.r.o.                                 |                   |
| 40  | CZ           | RU-F            | SLEZSKOMORAVSKA DRÁHA a.s.                          |                   |

| Nr. | Member State | Type of Company | Company name                                     | Reporting Entity        |
|-----|--------------|-----------------|--|-------------------------|
| 41  | CZ           | RU-F            | Sokolovská uhelná, právní nástupce, a.s.         |                         |
| 42  | CZ           | RU-F            | TCHAS ŽD s.r.o.                                  |                         |
| 43  | CZ           | RU-F            | VÍTKOVICE Doprava, a.s.                          |                         |
| 44  | CZ           | RU-F/RU-P       | LTE Logistik a Transport Slovakia s.r.o.         | LTE Group               |
| 45  | CZ           | RU-F/RU-P       | RegioJet   |                         |
| 46  | CZ           | RU-F/RU-P/WK    | Ceske drahy, a.s.                                |                         |
| 47  | CZ           | RU-FWK          | Advanced world transport a.s.                    |                         |
| 48  | CZ           | RU-FWK          | ČD Cargo.a.s.                                    |                         |
| 49  | CZ           | RU-FWK          | LOKO TRANS s.r.o.                                |                         |
| 50  | CZ           | RU-FWK          | UNIPETROL Doprava, s.r.o.                        |                         |
| 51  | CZ           | WK              | ArcelorMittal Ostrava a.s.                       | RSRD <sup>2</sup>       |
| 52  | CZ           | WK              | Česká republika -Správa státních hmotných rezerv |                         |
| 53  | CZ           | WK              | Českomoravský cement, a.s.                       |                         |
| 54  | CZ           | WK              | Coal Services a.s.                               |                         |
| 55  | CZ           | WK              | Felbermayr Transport- und Hebetchnik spol.s.r.o. | RSRD <sup>2</sup>       |
| 56  | CZ           | WK              | KOS Trading, akciová společnost                  | RSRD <sup>2</sup>       |
| 57  | CZ           | WK              | Lafarge Cement, a.s.                             | RSRD <sup>2</sup>       |
| 58  | CZ           | WK              | Lovochemie, a.s.                                 | RSRD <sup>2</sup>       |
| 59  | CZ           | WK              | NH-TRANS, SE                                     |                         |
| 60  | CZ           | WK              | Railco a.s.                                      | RSRD <sup>2</sup>       |
| 61  | CZ           | WK              | RYKO PLUS spol. s r.o.                           | RSRD <sup>2</sup>       |
| 62  | CZ           | WK              | V.K.S. Vagon Komercc Speed, spol. s r.o.         | RSRD <sup>2</sup>       |
| 63  | CZ           | WK              | Vápenka Čertovy schody a.s.                      |                         |
| 64  | CZ           | WK              | VÁPENKA VITOŠOV s.r.o.                           |                         |
| 65  | CZ           | WK              | ZX-BENET CZ s.r.o.                               |                         |
| 66  | DE           | IM              | DB Netz AG                                       |                         |
| 67  | DE           | IM              | Häfen und Güterverkehr Köln AG                   |                         |
| 68  | DE           | IM/RU-F         | Bayernhafen GmbH & Co KG                         |                         |
| 69  | DE           | IM/RU-F/RU-P    | Hafen Krefeld GmbH & Co. KG                      |                         |
| 70  | DE           | RU-F            | Captrain CargoWest GmbH                          |                         |
| 71  | DE           | RU-F            | RTB CARGO GMBH and VIAS GMBH (freight part)      |                         |
| 72  | DE           | RU-F            | SBB Cargo Deutschland GmbH                       | SBB Cargo International |
| 73  | DE           | RU-FWK          | DB Cargo AG                                      |                         |
| 74  | DE           | RU-FWK          | MEG Mitteldeutsche Eisenbahn GmbH                | DB Cargo AG             |
| 75  | DE           | RU-FWK          | RBH Logistics GmbH                               | DB Cargo AG             |
| 76  | DE           | RU-P            | DB Regio AG                                      |                         |
| 77  | DE           | WK              | AlzChem AG                                       | RSRD <sup>2</sup>       |
| 78  | DE           | WK              | Aretz GmbH und Co. KG                            | RSRD <sup>2</sup>       |
| 79  | DE           | WK              | BASF SE  | RSRD <sup>2</sup>       |
| 80  | DE           | WK              | DAHER PROJECTS GmbH                              | RSRD <sup>2</sup>       |
| 81  | DE           | WK              | Ermewa GmbH                                      | RSRD <sup>2</sup>       |
| 82  | DE           | WK              | ERR European Rail Rent GmbH                      | RSRD <sup>2</sup>       |

| Nr. | Member State | Type of Company | Company name   | Reporting Entity  |
|-----|--------------|-----------------|--|-------------------|
| 83  | DE           | WK              | GATX Rail Germany GmbH   | RSRD <sup>2</sup> |
| 84  | DE           | WK              | Kombiverkehr Deutsche Gesellschaft für kombinierten Güterverkehr mbH & Co KG | RSRD <sup>2</sup> |
| 85  | DE           | WK              | Mosolf Automotive Railway GmbH   | RSRD <sup>2</sup> |
| 86  | DE           | WK              | NACCO GmbH   | RSRD <sup>2</sup> |
| 87  | DE           | WK              | On Rail - Gesellschaft für Eisenbahnausrüstung und Zubehör mbH               | RSRD <sup>2</sup> |
| 88  | DE           | WK              | On Rail Gesellschaft für Vermietung und Verwaltung von Eisenbahnwaggons mbH  | RSRD <sup>2</sup> |
| 89  | DE           | WK              | Petrochem Mineralöl-Handels-GmbH   | RSRD <sup>2</sup> |
| 90  | DE           | WK              | TRANSWAGGON GmbH   | RSRD <sup>2</sup> |
| 91  | DE           | WK              | Tyczka Gase GmbH   | RSRD <sup>2</sup> |
| 92  | DE           | WK              | voestalpine Rail Center Königsborn GmbH                                      | RSRD <sup>2</sup> |
| 93  | DE           | WK              | Vossloh Logistics GmbH   | RSRD <sup>2</sup> |
| 94  | DE           | WK              | VTG Aktiengesellschaft   | RSRD <sup>2</sup> |
| 95  | DE           | WK              | VTG Rail Europe GmbH   | RSRD <sup>2</sup> |
| 96  | DE           | WK              | Zürcher Bau GmbH   | RSRD <sup>2</sup> |
| 97  | DK           | RU-FWK          | DB Cargo Scandinavia A/S   | DB Cargo AG       |
| 98  | ES           | IM              | ADIF Administrador de Infraestructuras Ferroviarias                          |                   |
| 199 | ES           | RU-F            | ACCIONA RAIL SERVICES  |                   |
| 100 | ES           | RU-F            | RENFE MERCANCIAS   |                   |
| 101 | ES           | RU-FWK          | TF Transfesa   | DB Cargo AG       |
| 102 | ES           | WK              | Sociedad de estudios y explotacion de material auxiliar de transportes S.A.  | RSRD <sup>2</sup> |
| 103 | ES           | WK              | Transportes Ferroviarios Especiales S.A.                                     | RSRD <sup>2</sup> |
| 104 | FI           | RU-F/RU-P       | Vr Group   |                   |
| 105 | FR           | IM              | SNCF Réseau  |                   |
| 106 | FR           | RU-F            | SNCF MOBILITES - Fret  |                   |
| 107 | FR           | RU-FWK          | ECR Euro Cargo Rail SA   | DB Cargo AG       |
| 108 | FR           | RU-P            | SNCF Mobilités Voyageurs   |                   |
| 109 | FR           | WK              | ATIR-RAIL  | RSRD <sup>2</sup> |
| 110 | FR           | WK              | Compagnie Française de Produits Métallurgiques                               | RSRD <sup>2</sup> |
| 111 | FR           | WK              | Ermewa SA  | RSRD <sup>2</sup> |
| 112 | FR           | WK              | Millet SAS   | RSRD <sup>2</sup> |
| 113 | FR           | WK              | Monfer France SASU   | RSRD <sup>2</sup> |
| 114 | FR           | WK              | NACCO S.A.S.   | RSRD <sup>2</sup> |
| 115 | FR           | WK              | SOCOMAC  | RSRD <sup>2</sup> |
| 116 | FR           | WK              | STVA S.A.  | RSRD <sup>2</sup> |
| 117 | FR           | WK              | VTG Austria Ges.m.b.H.   | RSRD <sup>2</sup> |
| 118 | FR           | WK              | VTG France SAS   | RSRD <sup>2</sup> |
| 119 | HU           | AB              | VPE - Vasúti Pályakapacitás-elosztó Kft.                                     |                   |
| 120 | HU           | IM              | GYSEV Zrt.   |                   |
| 121 | HU           | IM              | MÁV  |                   |
| 122 | HU           | RU-F            | GYSEV CARGO Zrt.   |                   |
| 123 | HU           | RU-F            | MMV Magyar Magánvasút Zrt.   |                   |

| Nr. | Member State | Type of Company    | Company name   | Reporting Entity  |
|-----|--------------|--------------------|--|-------------------|
| 124 | HU           | RU-FWK             | DB Cargo Hungária Kft.                                       | DB Cargo AG       |
| 125 | HU           | RU-FWK             | Rail Cargo Hungaria Zrt.                                     |                   |
| 126 | HU           | RU-P               | MÁV-START  |                   |
| 127 | IE           | WK                 | TOUAX Rail Ltd.  | RSRD <sup>2</sup> |
| 128 | IT           | IM                 | EAV Naples Italy   |                   |
| 129 | IT           | IM                 | Ferrovie Emilia Romagna                                      |                   |
| 130 | IT           | IM                 | Gruppo Torinese Trasporti S.p.A.                             |                   |
| 131 | IT           | IM                 | La Ferroviaria Italiana S.p.A.                               |                   |
| 132 | IT           | IM                 | RFI  |                   |
| 133 | IT           | IM/RU-P            | FERROVIE DEL GARGANO   |                   |
| 134 | IT           | RU-F               | Captrain Italia Srl  |                   |
| 135 | IT           | RU-F               | Dinazzano Po   |                   |
| 136 | IT           | RU-F               | GTS Rail S.p.A.  |                   |
| 137 | IT           | RU-F               | HUPAC SpA  |                   |
| 138 | IT           | RU-F               | TX Logistik AG - Sede Secondaria Italiana                    |                   |
| 139 | IT           | RU-F/RU-P          | Trasporto Ferroviario Toscano SpA                            |                   |
| 140 | IT           | RU-FWK             | DB Cargo Italia Srl  | DB Cargo AG       |
| 141 | IT           | RU-FWK             | Mercitalia Rail s.r.l.                                       |                   |
| 142 | IT           | RU-P               | GRUPPO TORINESE TRASPORTI SPA                                |                   |
| 143 | IT           | RU-P               | Italo - Nuovo Trasporto Viaggiatori S.p.A.                   |                   |
| 144 | IT           | RU-P               | SAD-Trasporto Locale SpA                                     |                   |
| 145 | IT           | RU-P               | SNCF Voyages Italia  |                   |
| 146 | IT           | RU-P               | Trasporto passeggeri emilia romagna                          |                   |
| 147 | IT           | RU-P               | Trenitalia S.p.A.  |                   |
| 148 | IT           | RU-P               | TRENTINO TRASPORTI ESERCIZIO SPA                             |                   |
| 149 | IT           | WK                 | Lotras srl   | RSRD <sup>2</sup> |
| 150 | IT           | WK                 | Monfer Cereali SRL   | RSRD <sup>2</sup> |
| 151 | LT           | IM/RU-F/RU-P/WK    | JSC "Lithuanian Railways"                                    |                   |
| 152 | LU           | IM/RU-F/RU-P/WK/AB | CFL (IM), CFL (RU), CFL CARGO (RU + WK), ACF (AB)            |                   |
| 153 | LV           | IM/RU-F/WK         | VAS Latvijas dzelzceļš (LDz)                                 |                   |
| 154 | NL           | IM                 | ProRail B.V.   |                   |
| 155 | NL           | RU-FWK             | DB Cargo Nederland N.V.                                      | DB Cargo AG       |
| 156 | NL           | RU-P               | NS Reizigers & NS International                              |                   |
| 157 | NO           | IM                 | Bane NOR   |                   |
| 158 | PL           | IM                 | PKP Polskie Linie Kolejowe S.A.                              |                   |
| 159 | PL           | RU-FWK             | DB Cargo Polska Spółka Akcyjna                               | DB Cargo AG       |
| 160 | PL           | WK                 | Felbermayr Immo Sp.z.o.o.                                    | RSRD <sup>2</sup> |
| 161 | PL           | WK                 | GATX Rail Poland Sp. z o.o.                                  | RSRD <sup>2</sup> |
| 162 | PL           | WK                 | Tankwagon Sp. z o. o.  | RSRD <sup>2</sup> |
| 163 | PT           | IM                 | Infraestruturas de Portugal                                  |                   |
| 164 | PT           | RU-FWK             | Medway - Operador Ferroviário e Logístico de Mercadorias, SA |                   |
| 165 | PT           | RU-FWK             | Takargo  |                   |
| 166 | PT           | RU-P               | CP - Comboios de Portugal, E.P.E.                            |                   |



| Nr. | Member State | Type of Company | Company name  | Reporting Entity  |
|-----|--------------|-----------------|---|-------------------|
| 167 | PT           | RU-P            | FERTAGUS  |                   |
| 168 | PT           | WK              | ADP Fertilizantes, S.A.   | RSRD <sup>2</sup> |
| 169 | PT           | WK              | CIMPOR - Serviços de Apoio à Gestão de Empresas, S.A.               | RSRD <sup>2</sup> |
| 170 | RO           | IM              | CFR   |                   |
| 171 | RO           | RU-FWK          | DB Cargo Rail Romania SRL   | DB Cargo AG       |
| 172 | SE           | IM              | Trafikverket  |                   |
| 173 | SE           | RU-FWK          | Green Cargo   |                   |
| 174 | SE           | WK              | Stena Recycling AB  | RSRD <sup>2</sup> |
| 175 | SE           | WK              | TRANSWAGGON AB  | RSRD <sup>2</sup> |
| 176 | SI           | IM              | SŽ Infrastruktura d.o.o. Kolodvorska 11,<br>1000 Ljubljana Slovenia |                   |
| 177 | SI           | RU-F            | SŽ TOVORNI PROMET D.O.O.  |                   |
| 178 | SI           | WK              | Adria kombi d.o.o.  | RSRD <sup>2</sup> |
| 179 | SK           | RU-F            | BULK TRANSSHIPMENT SLOVAKIA, a.s.                                   |                   |
| 180 | SK           | RU-F/RU-P       | LTE Logistik a Transport Slovakia s.r.o.                            | LTE Group         |
| 181 | SK           | RU-FWK          | Železničná spoločnosť CARGO Slovakia,<br>a.s.                       |                   |
| 182 | SK           | WK              | Felbermayr Slovakia s.r.o.  | RSRD <sup>2</sup> |
| 183 | SK           | WK              | Ing. Alica Ovciariková A.O.   | RSRD <sup>2</sup> |
| 184 | TR           | WK              | TRANSWAGGON Vagon Isletmeleri Ltd.<br>Sti.                          | RSRD <sup>2</sup> |
| 185 | UK           | IM              | Network Rail Infrastructure Limited                                 |                   |
| 186 | UK           | RU-FWK          | DB Cargo UK   |                   |

### ANNEX 3: RESPONSES CONTACT LIST V6

| Nr. | Member State | Type of Company | Company name                        | Reporting Entity |
|-----|--------------|-----------------|-------------------------------------|------------------|
| 1   | BE           | RU-F            | Lineas Group                        |                  |
| 2   | BE           | RU-P            | THI factory                         |                  |
| 3   | CZ           | RU-F            | EP Cargo                            |                  |
| 4   | CZ           | RU-F            | IDS CARGO                           |                  |
| 5   | CZ           | RU-F            | TONCUR                              |                  |
| 6   | CZ           | RU-F/RU-P       | CityRail                            |                  |
| 7   | CZ           | RU-F/RU-P       | Jindrichohradecke mistni drahy      |                  |
| 8   | CZ           | RU-F/RU-P       | KŽC Doprava                         |                  |
| 9   | CZ           | RU-P            | GW Train Regio                      |                  |
| 10  | CZ           | WK              | Cement Hranice                      |                  |
| 11  | CZ           | WK              | ČR SSHR                             |                  |
| 12  | CZ           | WK              | KKB                                 |                  |
| 13  | CZ           | WK              | KOTOUČ ŠTRAMBERK                    |                  |
| 14  | CZ           | WK              | Škoda Auto                          |                  |
| 15  | CZ           | WK              | Spolek pro chemickou a hutní výrobu |                  |
| 16  | CZ           | WK              | státní podnik DIAMO                 |                  |
| 17  | DE           | RU-F            | RheinCargo                          |                  |
| 18  | DK           | RU-P            | DSB                                 |                  |
| 19  | EL           | IM              | O.S.E.                              |                  |
| 20  | ES           | RU-F            | Logitren Ferroviaria                |                  |
| 21  | ES           | RU-F/RU-P       | FERROVIAL RAILWAY                   |                  |
| 22  | IT           | RU-F/RU-P       | Società Ferrovie Udine Cividale     |                  |
| 23  | IT           | RU-F/RU-P       | TRENORD                             |                  |
| 24  | IT           | RU-P            | ARRIVA Italia Rail                  |                  |
| 25  | PL           | RU-P            | Arriva RP                           |                  |
| 26  | PL           | RU-P            | Koleje Dolnoslaskie                 |                  |
| 27  | PL           | RU-P            | Koleje Małopolskie                  |                  |
| 28  | PL           | RU-P            | Koleje Śląskie                      |                  |
| 29  | PL           | RU-P            | PKP                                 |                  |
| 30  | PL           | RU-P            | PKP Intercity                       |                  |
| 31  | PL           | WK              | Łódzka Kolej Aglomeracyjna          |                  |
| 32  | SE           | RU-F            | Hector Rail                         |                  |
| 33  | SE           | RU-F            | LKAB Malmtrafik                     |                  |
| 34  | SE           | RU-P            | sj                                  |                  |
| 35  | SK           | IM              | Slovak Railways                     |                  |
| 36  | SK           | RU-P            | RegioJet                            |                  |
| 37  | SK           | RU-P            | Železničná spoločnosť Slovensko     |                  |

## Disclaimer

### **The RU/IM Telematics Joint Sector Group (JSG)**

The JSG was set up in October 2012 as a voluntary organisation supported by nine European Associations involved in the implementation of the rail technical specifications for interoperability of the Telematic Application for Freight (TAF TSI).

<http://taf-jsg.info/>