



Organisation intergouvernementale pour les transports internationaux ferroviaires
Zwischenstaatliche Organisation für den internationalen Eisenbahnverkehr
Intergovernmental Organisation for International Carriage by Rail

Commission d'experts techniques
Fachausschuss für technische Fragen
Committee of Technical Experts

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Proposal to update the references to the Technical Documents listed in Appendix I to UTP TAF 2023

1. INTRODUCTION

The Uniform Technical Prescriptions Telematics applications for freight services (UTP TAF) lays down requirements for the communication process between railway undertakings and infrastructure managers, databases intended to be used to track trains and wagon movements and information to be delivered to freight customers. The latest version of the UTP TAF has been in force since 1 January 2023. It is equivalent to European Union (EU) Commission Regulation (EU) 2021/5412 of 26 March 2021 on the technical specification for interoperability relating to the telematics applications for freight subsystem of the rail system in the European Union (TAF TSI). The UTP TAF makes reference to technical documents that are published and regularly updated on the website of the EU Agency for Railways (ERA). Such a reference was included in the UTP so that the IT provisions are enshrined in COTIF, but managed by ERA. ERA regularly updates the technical documents.

As modification of the references to the technical documents formally constitutes a modification of the UTP TAF, it must be subject to a decision by the Committee of Technical Experts in accordance with Article 20 § 1 b) COTIF and Articles 6 and 8a APTU.

2. PREPARATORY WORK

The change requests for the Technical Document were published on ERA's website on 15 December 2022.

According to the agreed process to ensure continued equivalence between the TAF UTP and TAF TSI (TECH-20020-WGT40-5e dated 20 March 2020), in the event of delay, the change requests should be submitted to the OTIF Secretariat by January of the following year in order to be submitted to the CTE in June of the same year. Following ERA's submission of the document describing the changes and the objective of the changes to the relevant Annexes of the Technical Document, the OTIF Secretariat has drafted this proposal for decision.

3. JUSTIFICATION FOR THE AMENDMENTS

Modifications to the technical documents referred to in Appendix I of the UTP TAF are necessary in order to correct errors, take feedback into account, keep up with technical progress and to maintain equivalence with the specifications applied in the EU.

4. CONTEXT AND SUBSTANCE OF THE PROPOSAL

The chapters below describe the changes covered by the proposal, the reasons for these changes, their identification and the entity which initiated the change proposal at EU level. ERA provided the OTIF Secretariat with the descriptions.

4.1 TAF TSI MAINTENANCE RELEASE 3.2.0

4.1.1 CORRECTION OF ERRORS DETECTED IN TECHNICAL DOCUMENT ERA-TD-105: TAF TSI — ANNEX D.2: APPENDIX F — TAF TSI DATA AND MESSAGE MODEL

Table 1 : table of CR for correction of errors

<i>id in the CR tool</i>	<i>Name of the Change Request</i>	<i>Submitter</i>
TELEM00000673	Error in xsd 3.1.0 concerning element ReasonOfReference	CER

This change request (CR) addresses the procedural error and reverts to making the element ReasonOfReference optional (not mandatory) within structure of identifiers.

4.1.2 INTRODUCTION OF NEW OPTIONAL ELEMENTS IN TECHNICAL DOCUMENT ERA-TD-105: TAF TSI — ANNEX D.2: APPENDIX F — TAF TSI DATA AND MESSAGE MODEL

Table 2 : table of CR for new elements

<i>id in the CR tool</i>	<i>Name of the Change Request</i>	<i>Submitter</i>
TELEM00000671	Creation of "TrainNotReadyDescription" to give reason why train is not ready in "TrainReadyMessage" (TRM)	CER
TELEM00000675	New attribute "BogieWagonsOnly" in structure PlannedTrainTechnicalData	CER
TELEM00000674	New attribute "Operational strength of the train coupling" in structure PlannedTrainTechnicalData	CER

These CRs were submitted to introduce new optional elements in the TAF TSI technical document ERA-TD-105: TAF TSI — Annex D.2: Appendix F — TAF TSI Data and Message Model:

- CR671 proposes the new optional element TrainNotReadyDescription in the TrainReady message to allow RU to automatize TrainReady delay cause.
- CR675 introduces the new optional attribute inside the PlannedTrainTechnicalData element to enable indication of whether or not the train consists of bogie wagons only.
- CR674 introduces the new optional attribute inside the PlannedTrainTechnicalData element to enable indication of the operational strength of the train coupling.

4.1.3 INTRODUCTION OF CHANGED CODE LISTS IN TECHNICAL DOCUMENT ERA-TD-105: TAF TSI — ANNEX D.2: APPENDIX F — TAF TSI DATA AND MESSAGE MODEL

Table 3 : table of CR for changed code lists

<i>id in the CR tool</i>	<i>Name of the Change Request</i>	<i>Submitter</i>
TELEM00000660	Update Timing at location in the PathDetailsMessage - Additional TimerQualifierCode	CER
TELEM00000661	New TypeOfInformation values related to route update process	CER
TELEM00000672	Addition of element ReasonOfReference to ops messages and code for traffic management	CER
TELEM00000676	Renaming the process types "Pre-arranged Path published by RFC" and "Catalogue Path published by IM"	CER

These CRs were submitted to introduce new code list values or to modify existing ones in the TAF TSI technical document ERA-TD-105: TAF TSI — Annex D.2: Appendix F — TAF TSI Data and Message Model.

- CR660 adds new code values corresponding to Run Through status, to the TimerQualifierCode used in the PathDetailsMessage.
- CR661 adds two additional values for TypeOfInformationCode related to route update process, both used in the PathDetailsMessage.
- CR672 creates additional code for the ReasonOfReference element to enable information on whether the reference of the IDs used in PathDetailsMessage has been created for a timetabling or ad-hoc incident management.
- CR676 improves names of the two process types inside the ProcessType element

4.1.4 IMPROVEMENT OF DOCUMENTATION IN TECHNICAL DOCUMENT ERA-TD-105: TAF TSI — ANNEX D.2: APPENDIX F — TAF TSI DATA AND MESSAGE MODEL

Table 4 : table of CR for changed code lists

<i>id in the CR tool</i>	<i>Name of the Change Request</i>	<i>Submitter</i>
TELEM00000662	Insufficient annotation for new global element BitmapDays and inconsistency	CER
TELEM00000670	Update annotation for ScheduledTimeAtHandover and ScheduledTimeAtTransfer	CER

These CRs were submitted to improve documentation in the TAF TSI technical document ERA-TD-105: TAF TSI — Annex D.2: Appendix F — TAF TSI Data and Message Model.

- CR662 improves the annotation of the global element BitmapDays,
- CR670 updates "ScheduledTimeAtHandover" and "ScheduledDateAtTransfer" elements annotations to enable better understanding of the difference between “Handover” and “Transfer”.

4.2 TAF TSI MAINTENANCE RELEASE 3.3.0

4.2.1 CORRECTION OF ERRORS DETECTED IN TECHNICAL DOCUMENT ERA-TD-105: TAF TSI — ANNEX D.2: APPENDIX F — TAF TSI DATA AND MESSAGE MODEL

Table 5 : table of CR for correction of errors

<i>id in the CR tool</i>	<i>Name of the Change Request</i>	<i>Submitter</i>
TELEM00000646	Wrong length for type codes in codelist 'type1131CodeList	CER

This CR was submitted to correct the code list in the TAF TSI technical document ERA-TD-105: TAF TSI — Annex D.2: Appendix F — TAF TSI Data and Message Model. CR646 corrects the length of the code list, in accordance with the enumerated value available.

4.2.2 ADDITION OF NEW OR MODIFICATION OF MANDATORY ELEMENTS IN TECHNICAL DOCUMENT ERA-TD-105: TAF TSI — ANNEX D.2: APPENDIX F — TAF TSI DATA AND MESSAGE MODEL

Table 6 : table of CR for changes of mandatory elements

<i>id in the CR tool</i>	<i>Name of the Change Request</i>	<i>Submitter</i>
TELEM00000668	Delete Existing ConsignmentOrderMessage	CER
TELEM00000669	Add new message ConsignmentOrderMessage	CER

These CRs replace the existing Consignment Order Message with the new redesigned one.

4.2.3 ADDITION OF NEW OR MODIFICATION OF OPTIONAL ELEMENTS IN TECHNICAL DOCUMENT ERA-TD-105: TAF TSI — ANNEX D.2: APPENDIX F — TAF TSI DATA AND MESSAGE MODEL

Table 7 : table of CR for new or modified optional elements

<i>id in the CR tool</i>	<i>Name of the Change Request</i>	<i>Submitter</i>
TELEM00000642	Usage of other ValidityPeriod in LocationFileDataset message	CER
TELEM00000643	ValidityPeriod defined twice	CER
TELEM00000653	Extend ReceiptConfirmationMessage for operational usage	CER
TELEM00000691	New element type of used hybrid power unit in Locoldent	CER
TELEM00000697	Addition of element Notes into TAF TrainCompositionMessage	CER
TELEM00000698	End of Train Interruption : explicit notification	

These CRs were submitted to modify or introduce new optional elements in the TAF TSI technical document ERA-TD-105: TAF TSI — Annex D.2: Appendix F — TAF TSI Data and Message Model:

- CR642 provides a syntactical enhancement preventing validation failures. It replaces 2 ValidityPeriod elements by a single validity period.
- CR643 is linked with CR642. It removes ValidityPeriod complex type, redundant.
- CR653 adds the new optional elements to the ReceiptConfirmationMessage allowing its use to be extended.
- CR691 adds a new optional element describing the type of hybrid power used in the planning messages.
- CR697 adds new optional free text format element in the Train Composition Message to enable additional operational communication.
- CR698 adds a parameter in the Train Running Interruption Message that can be used as a flag to notify whether the interruption is active or has ended.

4.2.4 INTRODUCTION OF CHANGED CODE LISTS IN TECHNICAL DOCUMENT ERA-TD-105: TAF TSI — ANNEX D.2: APPENDIX F — TAF TSI DATA AND MESSAGE MODEL

Table 8 : table of CR for changed code lists

<i>id in the CR tool</i>	<i>Name of the Change Request</i>	<i>Submitter</i>
TELEM00000690	MessageType: Reserving values for SFERA messages at a European level	CER

This CR was submitted to introduce new code list values in the TAF TSI technical document ERA-TD-105: TAF TSI — Annex D.2: Appendix F — TAF TSI Data and Message Model. CR690 reserves a common range of MessageType values for optional SFERA messages via Common Interface.

PROPOSALS FOR DECISION

- The Committee of Technical Experts takes note of the changes to ERA’s technical documents referred to in the UTP TAF, as described in document TECH-23007-CTE15-6.3.
- In accordance with Article 20 § 1 b) COTIF and Articles 6 and 8a of the APTU UR, the Committee of Technical Experts adopts the modifications to Appendix I of the Uniform Technical Prescriptions concerning Telematics Applications for Freight Services (UTP TAF) of 1 January 2023, as set out in the Annex to document TECH-23007-CTE15-6.3.
- The Committee of Technical Experts instructs the Secretary General to publish the decision amending Appendix I to the UTP TAF 2023 on the Organisation’s website.

Annex to document TECH-23007-CTE15-6.3

Appendix I of the Uniform Technical Prescriptions concerning Telematics Applications for Freight Services (UTP TAF) of 1 January 2023 is amended to read as follows:

“Appendix I
List of technical documents

N°	Reference	Title	Version	Date
1	ERA-TD-100	TAF TSI - Annex A.5: Figures and sequence diagrams of the TAF TSI messages	3.0	26.05.2021
2	ERA-TD-101	TAF TSI - Annex D.2: Appendix A (Wagon/ILU Trip Planning)	2.0	17.10.2013
3	ERA-TD-102	TAF TSI - Annex D.2: Appendix B - Wagon and Intermodal Unit Operating Database (WIMO)	3.0	15.06.2021
4	ERA-TD-103	TAF TSI - Annex D.2: Appendix C - Reference Files	3.0	15.06.2021
5	ERA-TD-104	TAF TSI - Annex D.2: Appendix E - Common Interface	3.0	15.06.2021
6	ERA-TD-105	TAF TSI - Annex D.2: Appendix F - TAF TSI Data and Message Model	3.3.0	15.12.2022

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