



Moving Europe towards a sustainable and safe railway system without frontiers.

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Portugal

Valenciennes, 4/7/2024

IRAIL Project Compliance Test – CEF Grant Agreement INEA/CEF/TRAN/M2018/ 1777054

Dear João Venes,

I confirm and certify herewith that the following TAF TSI functionalities implemented by the company Captrain Portugal S.A. (Portugal), within the project “CEF Grant Agreement INEA/CEF/TRAN/M2018/ 1777054”, are compliant with the appropriate provisions of the [TAF-TSI Regulation \(EU\) 2021/541](#) and its [Technical Documents](#) (XSD version 2.2.2 and 3.4.0) as follows:

TAF function / milestone tested	TAF TSI chapter	Type of Compliance
M04 - Consignment note	4.2.1. Consignment Note data	Soft
M05 - WIMO	4.2.10.2. Wagon and Intermodal unit Operational Database	Soft
M06 – Inter Change reporting	4.2.6. Shipment ETA	Soft
M07 - Wagon reporting	4.2.7. Wagon Movement	Soft
M08 - Path Request	4.2.2.2. Path Request message	Hard
M09 - Train composition	4.2.3.2. Train Composition message	Hard
M10 - Train Ready	4.2.3.3. Train ready message	Hard
M11 - Train running	4.2.4.2. Train running forecast message	Hard
M12 - Train Running Interrupted	4.2.5.2. Train running interrupted	Hard
M13 - Reference files	4.2.10.1. Reference files	Hard
M14 - Common Interface	4.2.11.1. General Architecture and 4.2.11.5. Common Interface	Hard

M15 - Unique Train ID	4.2.1. Object Identifiers of the ERA recommendation 006REC1128 V2.0 from 27/01/2022	Hard
M16 - RSRD	4.2.9.2. The Rolling Stock Reference Databases	Hard

Above *soft* compliance is based on the fact that above message carries all mandatory elements from the TAF TSI XSD (see chapter 6.2.1 of the TAF TSI).

To enable the ERA verification, Captrain Portugal S.A. has sent in April and May 2024 to ERA TAF TSI compliant

- Consignment note
- WIMO
- Inter Change reporting
- Wagon reporting
- Path Request
- Train composition
- Train Ready
- Train running
- Train Running Interrupted
- Reference files
- Common Interface
- Unique Train ID
- RSRD

messages / datasets implemented and used in operation in its own IT system (see Annexes).

Mickael VARGA
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Operational Data Unit
Project Officer
Email: mickael.varga@era.europa.eu

Annex – Message / Datasets

```

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            <ScheduledDateTimeAtTransfer>2024-03-
25T11:52:00+00:00</ScheduledDateTimeAtTransfer>
        </OperationalTrainNumberIdentifier>
    </ReferenceOTN>
    <ResponsibleRU>9876</ResponsibleRU>
    <InterruptionPoint>
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            <LocationPrimaryCode>37002</LocationPrimaryCode>
            <PrimaryLocationName>City A</PrimaryLocationName>
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        <Interruption>
            <InterruptionDateTime>2024-03-
25T08:58:00+00:00</InterruptionDateTime>
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    </InterruptionPoint>
</TrainRunningInterruptionMessage>

<?xml version="1.0" encoding="UTF-8"?>
<WagonDepartureNoticeMessage xmlns:tap="http://www.era.europa.eu/schemes/TAPTSI/1.4"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/3.4
file:///C:/Users/.../XSD%203.4.0/taf_cat_complete.xsd"
xmlns="http://www.era.europa.eu/schemes/TAFTSI/3.4"
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```

```

<MessageHeader>
  <MessageReference>
    <MessageType>5004</MessageType>
    <MessageTypeVersion>05</MessageTypeVersion>
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  </MessageReference>
  <Sender>0016</Sender>
  <MessageDateTimeCreated>2024-02-05T15:14:52Z</MessageDateTimeCreated>
  <Recipient>9876</Recipient>
</MessageHeader>
<WagonInformation>
  <WagonNumberFreight>11111111111</WagonNumberFreight>
  <LoadingStatus>1</LoadingStatus>
</WagonInformation>
<WagonAtDeparture>
  <Location>
    <CountryCodeISO>MT</CountryCodeISO>
    <LocationPrimaryCode>95109</LocationPrimaryCode>
    <PrimaryLocationName>City A</PrimaryLocationName>
  </Location>
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</WagonAtDeparture>
</WagonDepartureNoticeMessage>

```

```

<?xml version="1.0" encoding="utf-16"?>
<CIMECNMessages xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <InterchangeHeader>
    <InterchangeID>2024050720591</InterchangeID>
    <SenderIdentification>3405</SenderIdentification>
    <ReceiverIdentification>9876</ReceiverIdentification>
    <MsgPreparationDatetime>2024-05-
07T20:59:36.1989734+02:00</MsgPreparationDatetime>
    <xsdVersion>1.5</xsdVersion>
  </InterchangeHeader>
  <ECNs>
    <ECNHeader>
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      <ReceivingCarrier>9876</ReceivingCarrier>
      <MessageReferenceNumber>2024050720591</MessageReferenceNumber>
      <ShipmentType>CIM</ShipmentType>
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      <ECNVersionNumber>1</ECNVersionNumber>
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    <ECN>
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        <Station>
          <CountryCodeISO>MT</CountryCodeISO>
          <LocationPrimaryCode>12345</LocationPrimaryCode>

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    <PrimaryLocationName>City A</PrimaryLocationName>
  </Station>
  <ProductionStation>
    <CountryCodeISO>MT</CountryCodeISO>
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  </ProductionStation>
  <AcceptanceDate>043012</AcceptanceDate>
  <ConsignmentNumber>123456</ConsignmentNumber>
</AcceptancePoint>
<DeliveryPoint>
  <Station>
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    <LocationPrimaryCode>12345</LocationPrimaryCode>
    <PrimaryLocationName>City A</PrimaryLocationName>
  </Station>
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    <LocationPrimaryCode>98765</LocationPrimaryCode>
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    <Country>IS</Country>
    <City>City C</City>
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    <Name>YYYXXX</Name>
    <Country>IS</Country>
    <City>City C</City>
    <Contacts />
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</Tariff>
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    <City>City C</City>
    <CountryCode>94</CountryCode>
    <SectionFrom>
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    <LocationPrimaryCode>98765</LocationPrimaryCode>
    <PrimaryLocationName>City A</PrimaryLocationName>
</SectionTo>
</Carrier>
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    <CountryCode>94</CountryCode>
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    <Date>2024-05-07</Date>
</MadeOut>
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            <PrimaryLocationName>City A</PrimaryLocationName>
        </Start>
        <End>
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        <WagonMass>28100.0</WagonMass>
        <AxleNumber>6</AxleNumber>
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Reference files

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<ResponsibleIM>0094</ResponsibleIM>
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  <LocationPrimaryCode>94391</LocationPrimaryCode>
  <PrimaryLocationName>Bifurcação de Sines</PrimaryLocationName>
</DelayLocation>
<PlannedJourneyLocation>
  <CountryCodeISO>PT</CountryCodeISO>
  <LocationPrimaryCode>39172</LocationPrimaryCode>
  ...
</PlannedJourneyLocation>

```

Arcs Locations (selected countries)

Click here to add filter criteria

Station Country Type

	Arcs	Active	Country	ENEE (UIC)	Code	PLC	RINF Unique ...	Connected RI...	Trigram	Short Name	Long Name
▶		☒	Portugal	52886	CU	51508	PT51508		Sant	Ramal Tramagal - Somapre (I...	Ramal Tramagal
▶		☒	Portugal	520015	CU	52001	PT52001		Abra	Abrantes	
▶		☒	Portugal	520684	CU	52068	PT52068		Alfe	Alferrarede	
▶		☒	Portugal	521427	CU	52142	PT52142		Mour	Mouriscas	
▶		☒	Portugal	521674	CU	52167	PT52167		Mour	Mouriscas-A	
▶		☒	Portugal	522094	CU	52209	PT52209		Alve	Alvega-Ortiga	
▶		☒	Portugal	522417	CU	52241	PT52241		Barr	Barragem de Belver	
▶		☒	Portugal	522821	CU	52282	PT52282		Belv	Belver	
▶		☒	Portugal	524157	CU	52415	PT52415		Barc	Barca da Amieira -Envendos	
▶		☒	Portugal	525717	CU	52571	PT52571		Frat	Fratel	
▶		☒	Portugal	53561	CU	52639	PT52639		Ródã	Ramal Ródão - Portucel (Inse...	Ramal Ródão - F
▶		☒	Portugal	526475	CU	52647	PT52647		Ródã	Ródão	
▶		☒	Portugal	052654	CU	52654	PT52654		Rama	Ródão - Portucel	Ródão - Portucel
▶		☒	Portugal	527382	CU	52738	PT52738		Toje	Tojeirinha	
▶		☒	Portugal	528034	CU	52803	PT52803		Sarn	Sarnadas	
▶		☒	Portugal	528455	CU	52845	PT52845		Reta	Retaxo	
▶		☒	Portugal	528786	CU	52878	PT52878		Benq	Benquerenças	
▶		☒	Portugal	54148	CU	52886	PT52886		Benq	Ramal Sarnadas - Patrimat (I...	Ramal Sarnadas
▶		☒	Portugal	052902	UE	52902	PT52902		Rama	Sarnadas - Patrimat	Sarnadas - Patr
▶		☒	Portugal	530097	CU	53009	PT53009		Cast	Castelo Branco	

Record: 610 Of 1 088

Common Interface

Administration >> Legacy Connectors >> FS Connectors >> Edit FS Connector

FS Connectors

FS Connector Information

FS Instance Name: Company:

Directory: File Extension:

Status: ☒ Active ☐ In-Active

Message Direction: Message Format:

Character Encoding:

File Name: Ex: [SID](RID)(YYYY)(dd)(MM)(hh)(mm)(ss)(ms)text(MT)(MV)(MN)text

Supported Message types:

- ContractedTimetableMessage - 5.1.9
- ErrorMessage - 2.1.6
- ErrorMessage - 5.3
- IF76_Vonatosszeallitas_Valasz_p - 1.0
- IF91_Keszre_Jelentes_Valasz_p - 1.0
- PathDetailsMessage - 2.1.3
- ReceiptConfirmationMessage - 2.1.6
- ReceiptConfirmationMessage - 5.3.1.1

Associated Message types:

- TrainRunningForecastMessage - 2.2.2
- TrainDelayCauseMessage - 2.2.2
- TrainRunningInterruptionMessage - 2.2.2
- TrainRunningInformationMessage - 2.2.2
- PathDetailsMessage - 2.2.2

RNECCS
Common Components System

Welcome Administrator
Logged in as SuperAdmin

Change Password My Profile Help Logout

Dashboard Administration Reference Data Log & Audit Metadata Mapping LI Information Reports

User Roles Legacy Connectors Sys Config Remote LI Config **Routing Configuration** Replication Config Master Data Internationalization Info

Administration >> Routing Configuration >> Message Routing

Message Routing Content Based Routing

Filter

Message Direction: --Select from list-- Message Type: --Select from list-- Status: --Select from list--
 Routing Name: Instance Name: --Select from list-- Remote LI: --Select from list--
 Sender Company: --Select from list-- Receiver Company: Takargo, S.A.-3405

Filter

Add In-Bound Message Routing Add Out-Bound Message Routing

Page 1 of 1

Records Per Page 50

Actions	Routing Name	Instance Name/RemoteLI	Message Direction	Message Type	Status
	IP_TAKARGO_PDM	FSC_TAKARGO	In-bound	PathDetailsMessage-2.2.2	Active
	IP_TAKARGO_TDC	FSC_TAKARGO	In-bound	TrainDelayCauseMessage-2.2.2	Active
	IP_TAKARGO_TRF	FSC_TAKARGO	In-bound	TrainRunningForecastMessage-2.2.2	Active
	IP_TAKARGO_TRI	FSC_TAKARGO	In-bound	TrainRunningInformationMessage-2.2.2	Active
	IP_TAKARGO_TRIN	FSC_TAKARGO	In-bound	TrainRunningInterruptionMessage-2.2.2	Active

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User Roles Legacy Connectors Sys Config Remote LI Config **Routing Configuration** Replication Config Master Data Internationalization Info

Administration >> Routing Configuration >> Message Routing

Message Routing Content Based Routing

Filter

Message Direction: --Select from list-- Message Type: --Select from list-- Status: --Select from list--
 Routing Name: Instance Name: --Select from list-- Remote LI: --Select from list--
 Sender Company: --Select from list-- Receiver Company: Infraestruturas de Portugal, S.A.-009

Filter

Add In-Bound Message Routing Add Out-Bound Message Routing

Page 1 of 1

Records Per Page 50

Actions	Routing Name	Instance Name/RemoteLI	Message Direction	Message Type	Status
	IP_TCM	IP_PROD_OUT	Out-bound	TrainCompositionMessage-2.2.2	Active

Unique Train ID

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    <Company>0094</Company>
    <Core>240320821322</Core>
    <Variant>00</Variant>
    <TimetableYear>2024</TimetableYear>
    <StartDate>2024-03-20</StartDate>
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    <Company>3405</Company>
    <Core>082132142500</Core>
    <Variant>00</Variant>
    <TimetableYear>2024</TimetableYear>
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<StartDate>2024-03-20</StartDate>
</PlannedTransportIdentifiers>
</Identifiers>

RSRD



EUROPEAN VEHICLE REGISTER

Version 2.0
11/05/2023

VehiclesVehicle historyAccountLogout

Vehicle Details of EVN 909414360018

1 Vehicle Identification

1.1 European Vehicle Number909414360018

1.2 Previous Vehicle Number

2 Member State of Registration

2.1 Member State of RegistrationPT

3 Member States where the vehicle is authorised

3.1 Resulting Area of UsePT, ES

4 Additional Conditions

4.1 Additional Conditions applicable to the vehicle☐ RIC☐ RIV☐ TEN☐ TEN-CW☐ TEN-GE☐ OTHER

5 Manufacturing

5.1 Manufacturing Year2008

5.2 Manufacturing Serial Number

5.3 ERATV Reference

5.4 SeriesLocomotiva diesel 6000

6.a Rolling Stock Subsystem. References to EC Declarations of verification (*)

6.1 Date of EC declaration of verification22/12/2008

6.2 EC declaration reference

6.3 EC Declaration of verification issuing body (the applicant)

6.3.1 Organisation NameVossloh España, SA

6.3.2 Registered Business NumberA 97516058

6.3.3 AddressPol.Ind. del Mediterráneo

6.3.4 TownAlbulxech

6.3.5 Country Code

8 Keeper

8.1 Organisation NameCaptrain España S.A.U

8.2 Registered Business Number02/OVM/2/03/5

8.3 AddressEdificio Numancia, Calle Viriat 47, 9º PI

8.4 TownBarcelona

8.5 Country CodePT

8.6 Post Code08014

8.7 Email Addressxavier.lecurieux@captrain.es

8.8 Organisation Code3512

8.9 Vehicle Keeper MarkingCTES

9 Entity in charge of maintenance

9.1 Organisation NameTAKARGO. S.A.

Load ECM data from ERADIS

9.2 Registered Business Number878-8592-3305

9.3 AddressRua Mário Dionísio, nº 2

9.4 TownLinda-a Velha

9.5 Country CodePT

9.6 Post Code2799-557

9.7 Email Addressluis.costa@takargo.pt

9.8 Organisation Code3405

10 Registration Status

10.1 Registration Status00

10.2 Registration Status Date

10.3 Registration Status Reason

11 Authorisations for placing on the market (#1)

11.1 Name of authorising entityPortugal/NSA

11.2 Member State of Authorising EntityPT (Portugal)

11.3 European Identification Number (EIN)PT5120090001

11.4 Area of UsePT, ES

RailCube Start

Save and Close Save Delete Change details Technical details Actions

General details

Locomotive no : 90941436006-7 Owner : TAKARGO
Alias : 6006 Keeper : TAKARGO
Class : E4000 ECH : TAKARGO
Traction type : Diesel ECH employee :
Current contract : Year of build : 24/09/2018 Builder : Vossloh
Cost center : *
Locomotive status : Distribution group :
Livery : Given name :
Vehicle type : Phone number :
Driving type :
Control type :


Location details

Last known transport : 11/03942 on : 28/09/2023 20:50:0 Stand :
* = optional, only used for locomotives that are not part of a rental contract

Technical details Contracts Rights DC Fuel Maintenance Location log (GPS) Transport history Locomotive Line Excluded routes Document Remarks Log

General Axes Brake details Parts

Height (m) :	4,260	Max. axle load :	20,200	Brake weight P (t) :	151	Dynamic brakesweight G :	0
Width (m) :	2,850	Service weight (t) :	121,000	Brake weight R (t) :	0	Dynamic brakesweight P :	0
Weight (t) :	121,000	Service speed (km/h) :	120	Brake weight RRG (t) :	0	Dynamic brakesweight RRG :	0
Non traction speed :	0	Fuel tank volume :	0	No. of brakestations :	0	Handbrake weight :	49
Engine amount :	0	Power (kW) :	2 954,000	Closing factor (%) :	0	Standing brake weight :	0
Brake type :				Tare weight :	0	Non traction brake weight :	0
Brake pad type :							

Copy locomotive details from selected type

☐ Airconditioned
☐ Noise isolated