



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

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Valenciennes, 4/7/2024

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

Dear Lucia Pousada Gonzalez,

I confirm and certify herewith that the following TAF TSI functionalities implemented by the company Renfe Mercancias S.A (Spain), 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 2.2.0 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	Hard
M06 - InterChange reporting	4.2.6. Shipment ETA	Hard
M07 - Wagon reporting	4.2.7. Wagon Movement	Hard
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 Forecast	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 ¹	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, Renfe Mercancias S.A has sent in December 2023 and February 2024 to ERA TAF TSI compliant

- Consignment note
- WIMO
- Inter Change reporting
- Wagon reporting
- Path Request
- Train composition
- Train Ready
- Train Running Forecast
- 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).

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Operational Data Unit
Project Officer
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¹ RENFE does not generate RSRD messages / datasets but it is prepared to consume them and store in its RSRD database

Annex – Message / Datasets

Consignment order message in ORFEUS format:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<CIMECNMessages>
  <InterchangeHeader>
    <InterchangeID>2024010300008</InterchangeID>
    <SenderIdentification>2171</SenderIdentification>
    <ReceiverIdentification>0016</ReceiverIdentification>
    <MsgPreparationDatetime>2024-01-
03T13:03:08.851+01:00</MsgPreparationDatetime>
    <xsdVersion>1.42</xsdVersion>
  </InterchangeHeader>
  <ECNs>
    <ECNHeader>
      <SendingCarrier>2171</SendingCarrier>
      <ReceivingCarrier>XXXX</ReceivingCarrier>
      <MessageReferenceNumber>0000000039441</MessageReferenceNumber>
      <ShipmentType>CIM</ShipmentType>
      <MessageType>ECTD</MessageType>
      <ECNPreparationDatetime>2024-01-
03T13:02:06+01:00</ECNPreparationDatetime>
      <DossierNumber>987654321</DossierNumber>
      <ECNVersionNumber>0</ECNVersionNumber>
      <PrintForm>WLT</PrintForm>
    </ECNHeader>
    <ECN>
      <AcceptancePoint>
        <Point>
          <Name>YYYXXX</Name>
          <Country>
            <UICCountryCode>71</UICCountryCode>
            <Name>YYYXXX</Name>
          </Country>
        </Point>
        <Station>
          <Code>98765</Code>
          <Name>YYYXXX</Name>
          <Country>
            <UICCountryCode>71</UICCountryCode>
            <Name>YYYXXX</Name>
          </Country>
        </Station>
        <AcceptanceDate>2024-01-03T00:00:00+01:00</AcceptanceDate>
        <CarrierCode>1234</CarrierCode>
        <ConsignmentNumbe123456</ConsignmentNumber>
      </AcceptancePoint>
      <DeliveryPoint>
        <Point>
          <Name>YYYXXX</Name>
          <Country>
            <UICCountryCode>80</UICCountryCode>
          </Country>
        </Point>
      </DeliveryPoint>
    </ECN>
  </ECNs>
</CIMECNMessages>
```

```

    </Point>
    <Station>
      <Code>12345</Code>
      <Name>YYYXXX</Name>
      <Country>
        <UICCountryCode>80</UICCountryCode>
        <Name>YYYXXX</Name>
      </Country>
    </Station>
  </DeliveryPoint>
  <Customers>
    <Customer Type="CR">
      <CustomerCode>0125042081</CustomerCode>
      <Name>YYYXXX</Name>
      <VAT>DEXX</VAT>
      <Street>AAABBB</Street>
      <Country>IS</Country>
      <ZIPCode>9999</ZIPCode>
      <City>City C</City>
    </Customer>
    <Customer Type="CE">
      <Name>YYYXXX</Name>
      <Street>AAABBB</Street>
      <Country>IS</Country>
      <ZIPCode>9999</ZIPCode>
      <City>City C</City>
    </Customer>
  </Customers>
  ...
  <Wagons>
    <Wagon WagonNumber="11111111111">
      <WagonDetails LoadingStatus="loaded">
        <WagonTypeDetails>
          <WagonMass>19700.0</WagonMass>
          <AxleNumber>4</AxleNumber>
          <WagonLength>1974.0</WagonLength>
        </WagonTypeDetails>
        <TotalMass>52400.0</TotalMass>
        <LoadLimit>70.3</LoadLimit>
        <Ship/>
      </WagonDetails>
      <UTI>
        <UTIDetails UTIType="cn" Number="879000"
LoadingStatus="loaded">
          <Prefix>EXFU</Prefix>
          <Checkdigit>4</Checkdigit>
          <Dimensions>
            <LengthCode>24</LengthCode>
          </Dimensions>
          <TareWeight>1111</TareWeight>
        </UTIDetails>
        <Goods>
          <Good>
            <NHMCode>994900</NHMCode>

```

```

        <GoodDescription>Unit&#195;&#169;s de transport
intermodal (UTI), charg&#195;&#169;es, nda</GoodDescription>
        <GrossMass>28500.0</GrossMass>
    </Good>
</Goods>
</UTI>
<UTI>
    <UTIDetails UTIType="cn" Number="351152"
LoadingStatus="loaded">
        <Prefix>PMUU</Prefix>
        <Checkdigit>6</Checkdigit>
        <Dimensions>
            <LengthCode>24</LengthCode>
        </Dimensions>
        <TareWeight>1111</TareWeight>
    </UTIDetails>
    <Goods>
        <Good>
            <RID>
                <Law>2023</Law>
                <DangerLabel>9</DangerLabel>
                <LongTextDescription>MATIERE DANGEREUSE DU POINT
DE VUE DE L'ENVIRONNEMENT, LIQUIDE, N.S.A.</LongTextDescription>
                <Weight>1111</Weight>
                <HazardNumber>90</HazardNumber>
                <UNNumber>3082</UNNumber>
                <Class>9</Class>
                <PackingGroup>III</PackingGroup>
            </RID>
            <NHMCode>990200</NHMCode>
            <GoodDescription>Marchandises de
groupage</GoodDescription>
                <GrossMass>27000.0</GrossMass>
            </Good>
        </Goods>
    </UTI>
</Wagon>
<Wagon WagonNumber="111111111111">
    <WagonDetails LoadingStatus="loaded">
        <WagonTypeDetails>
            <WagonMass>19700.0</WagonMass>
            <AxleNumber>4</AxleNumber>
            <WagonLength>1974.0</WagonLength>
        </WagonTypeDetails>
        <TotalMass>23700.0</TotalMass>
        <LoadLimit>70.3</LoadLimit>
        <Ship/>
    </WagonDetails>
    <UTI>
        <UTIDetails UTIType="cn" Number="318503"
LoadingStatus="empty">
            <Prefix>RICU</Prefix>
            <Checkdigit>8</Checkdigit>
            <Dimensions>
                <LengthCode>30</LengthCode>

```

```

        </Dimensions>
        <TareWeight>1111</TareWeight>
    </UTIDetails>
    <Goods>
        <Good>
            <RID>
                <Law>2023</Law>

<LongTextDescription>ACETALDEHYDE</LongTextDescription>
        <Weight>1111</Weight>
        <HazardNumber>33</HazardNumber>
        <UNNumber>1089</UNNumber>
        <Class>3</Class>
        <PackingGroup>I</PackingGroup>
        <EmptyPackingCode>02</EmptyPackingCode>
        </RID>
        <NHMCode>291212</NHMCode>
        <GoodDescription>&#195;&#137;thanal
[ac&#195;&#169;tald&#195;&#169;hyde]</GoodDescription>
        <GrossMass>0.0</GrossMass>
    </Good>
</Goods>
</UTI>
<UTI>
    <UTIDetails UTIType="cn" Number="318506"
LoadingStatus="empty">
        <Prefix>RICU</Prefix>
        <Checkdigit>4</Checkdigit>
        <Dimensions>
            <LengthCode>30</LengthCode>
        </Dimensions>
        <TareWeight>1111</TareWeight>
    </UTIDetails>
    <Goods>
        <Good>
            <RID>
                <Law>2023</Law>

<LongTextDescription>ACETALDEHYDE</LongTextDescription>
        <Weight>1111</Weight>
        <HazardNumber>33</HazardNumber>
        <UNNumber>1089</UNNumber>
        <Class>3</Class>
        <PackingGroup>I</PackingGroup>
        <EmptyPackingCode>02</EmptyPackingCode>
        </RID>
        <NHMCode>291212</NHMCode>
        <GoodDescription>&#195;&#137;thanal
[ac&#195;&#169;tald&#195;&#169;hyde]</GoodDescription>
        <GrossMass>0.0</GrossMass>
    </Good>
</Goods>
</UTI>
</Wagon>
...

```

```

        </Wagons>
    </ECN>
</ECNs>
</CIMECNMessages>

```

Consignment order message transformed into TAF TSI format:

```

<?xml version="1.0" encoding="UTF-8"?>
<ConsignmentOrderMessage xmlns:tap="http://www.era.europa.eu/schemes/TAPTSTI/1.4"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSTI/3.4
file:///C:/Users/vargami/OneDrive%20-
%20European%20Union%20Agency%20for%20Railways%20(ERA)/Desktop/Telematics/Compliance%2
0mapping/IRAIL/CSP%20Logitren/Consignment%20Order/XSD%203.4.1/taf_cat_complete.xsd"
xmlns="http://www.era.europa.eu/schemes/TAFTSTI/3.4"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <MessageHeader>
        <MessageReference>
            <MessageType>1000</MessageType>
            <MessageTypeVersion>1.42</MessageTypeVersion>
            <MessageIdentifier>20240103000008</MessageIdentifier>
            <MessageDateTime>2024-01-03T13:03:08.851+01:00</MessageDateTime>
        </MessageReference>
        <Sender>2171</Sender>
        <Recipient>9876</Recipient>
    </MessageHeader>
    <COMS>
        <COM_Header>
            <SendingRU>1234</SendingRU>
            <ReceivingRU>9876</ReceivingRU>
            <MessageReferenceNumber>123456789</MessageReferenceNumber>
            <ShipmentType>CIM</ShipmentType>
            <ConsignmentOrderType>ECTD</ConsignmentOrderType>
            <COM_PreparationDatetime>2024-01-
03T13:02:06+01:00</COM_PreparationDatetime>
            <DossierNumber>987654321</DossierNumber>
            <VersionNumber>0</VersionNumber>
        </COM_Header>
        <COM>
            <AcceptancePoint>
                <Station>
                    <CountryCodeISO>MT</CountryCodeISO>
                    <LocationPrimaryCode>12345</LocationPrimaryCode>
                    <PrimaryLocationName>City A</PrimaryLocationName>
                </Station>
                <AcceptanceDate>2009-12-13T10:25:00</AcceptanceDate>
                <ConsignmentNum123456</ConsignmentNumber>
                <CarrierCode>1234</CarrierCode>
            </AcceptancePoint>
            <DeliveryPoint>
                <Station>
                    <CountryCodeISO>MT</CountryCodeISO>
                    <LocationPrimaryCode>98765</LocationPrimaryCode>
                    <PrimaryLocationName>City A</PrimaryLocationName>
                </Station>
            </DeliveryPoint>
        </COM>
    </COMS>
</ConsignmentOrderMessage>

```

```

        </Station>
    </DeliveryPoint>
    <Customers>
        <CustomerType>CR</CustomerType>
        <Name>YYYYXX</Name>
        <VAT>DEXXX</VAT>
        <Street>AAABBB</Street>
        <Country>IS</Country>
        <ZIPCode>9999</ZIPCode>
        <City>City C</City>
        <AdministrativeContactInformation>
            <Name>YYYYXX</Name>
        </AdministrativeContactInformation>
    </Customers>
    <Customers>
        <CustomerType>CE</CustomerType>
        <Name>YYYYXX</Name>
        <Street>AAABBB</Street>
        <Country>IS</Country>
        <ZIPCode>9999</ZIPCode>
        <City>City C</City>
        <AdministrativeContactInformation>
            <Name>YYYYXX</Name>
        </AdministrativeContactInformation>
    </Customers>
    <PrepaymentInstructions>
        <PrepaidcodeCarrier>10</PrepaidcodeCarrier>
    </PrepaymentInstructions>
    <Tariff>
        <ContractNumber>XXXXYY</ContractNumber>
    </Tariff>
    <Carriers sequenceID="1">
        <CarrierStatus>0</CarrierStatus>
        <CarrierCode>1234</CarrierCode>
        <CarrierName>RENFE MERCANCIAS</CarrierName>
        <ZIPCode>9999</ZIPCode>
        <City>City C</City>
        <CountryCode>ES</CountryCode>
        <SectionFrom>
            <CountryCodeISO>MT</CountryCodeISO>
            <LocationPrimaryCode>12345</LocationPrimaryCode>
            <PrimaryLocationName>City A</PrimaryLocationName>
        </SectionFrom>
        <SectionTo>
            <CountryCodeISO>MT</CountryCodeISO>
            <LocationPrimaryCode>12345</LocationPrimaryCode>
            <PrimaryLocationName>City A</PrimaryLocationName>
        </SectionTo>
    </Carriers>
    ...
    <Wagons>
        <WagonNumberFreight>1111111111</WagonNumberFreight>
        <WagonDetails>
            <LoadingStatus>1</LoadingStatus>
            <WagonTypeDetails>

```



```

        <WagonWeightEmpty>99999</WagonWeightEmpty>
        <WagonNumberOfAxles>4</WagonNumberOfAxles>
        <WagonLength>1974</WagonLength>
    </WagonTypeDetails>
    <LoadLimit>70.3</LoadLimit>
</WagonDetails>
<GoodsInWagon>
    <NHM_Code>111111</NHM_Code>
    <GoodsDescription>Unit  s de transport intermodal
(UTI), carg  es, nda</GoodsDescription>
    <GrossWeight>1111</GrossWeight>
    <ILU>
        <ILU_Details>
            <ILU_Type>01</ILU_Type>
            <LoadUnitNumber>879000</LoadUnitNumber>
            <LoadingStatus>1</LoadingStatus>
            <ILU_TypeDetail>BX</ILU_TypeDetail>
            <Dimensions>
                <LengthCode>24</LengthCode>
            </Dimensions>
            <TareWeight>1111</TareWeight>
        </ILU_Details>
        <Goods>
            <NHM_Code>111111</NHM_Code>
            <GoodsDescription>Unit  s de transport
intermodal (UTI), carg  es, nda</GoodsDescription>
            <GrossWeight>1111</GrossWeight>
        </Goods>
    </ILU>
    <ILU>
        <ILU_Details>
            <ILU_Type>01</ILU_Type>
            <LoadUnitNumber>351152</LoadUnitNumber>
            <LoadingStatus>1</LoadingStatus>
            <ILU_TypeDetail>BX</ILU_TypeDetail>
            <Dimensions>
                <LengthCode>24</LengthCode>
            </Dimensions>
            <TareWeight>1111</TareWeight>
        </ILU_Details>
        <Goods>
            <RID>
                <Law>2023</Law>
                <DangerousGoodsIndication>
                    <RID_Class>9</RID_Class>
                </DangerousGoodsIndication>
            </RID>
            <NHM_Code>111111</NHM_Code>
            <GoodsDescription>Marchandises de
groupage</GoodsDescription>
            <GrossWeight>1111</GrossWeight>
        </Goods>
    </ILU>
</GoodsInWagon>

```

```
...  
</Wagons>  
</COM>  
</COMS>  
</ConsignmentOrderMessage>
```

```

<?xml version="1.0" encoding="UTF-8"?>
<PathConfirmedMessage xmlns:ns1="http://www.era.europa.eu/schemes/TAFTSI/3.4">
  <MessageHeader>
    <MessageReference>
      <MessageType>2002</MessageType>
      <MessageTypeVersion>3.4.0</MessageTypeVersion>
      <MessageIdentifier
xmlns="http://www.era.europa.eu/schemes/TAFTSI/3.4">55552e54-b9e1-11ee-a64d-
00505691ec1a</MessageIdentifier>
      <MessageDateTime
xmlns="http://www.era.europa.eu/schemes/TAFTSI/3.4">2024-01-
23T12:19:54.565+01:00</MessageDateTime>
    </MessageReference>
    <Sender>2171</Sender>
    <MessageDateTimeCreated>2024-01-
23T12:19:54.558+01:00</MessageDateTimeCreated>
    <Recipient>9876</Recipient>
  </MessageHeader>
  <AdministrativeContactInformation>
    <Name>YYYXXX</Name>
  </AdministrativeContactInformation>
  <Identifiers>
    <PlannedTransportIdentifiers>
      <ObjectType>CR</ObjectType>
      <Company>6543</Company>
      <Core>-----12345</Core>
      <Variant>01</Variant>
      <TimetableYear>2024</TimetableYear>
    </PlannedTransportIdentifiers>
    <PlannedTransportIdentifiers>
      <ObjectType>TR</ObjectType>
      <Company>6543</Company>
      <Core>-----12345</Core>
      <Variant>00</Variant>
      <TimetableYear>2024</TimetableYear>
    </PlannedTransportIdentifiers>
    <PlannedTransportIdentifiers>
      <ObjectType>PA</ObjectType>
      <Company>6543</Company>
      <Core>-----12345</Core>
      <Variant>01</Variant>
      <TimetableYear>2024</TimetableYear>
    </PlannedTransportIdentifiers>
  </Identifiers>
  <MessageStatus>1</MessageStatus>
  <TypeOfRequest>2</TypeOfRequest>
  <TypeOfInformation>17</TypeOfInformation>
  <CoordinatingIM>9999</CoordinatingIM>
  <LeadRU>9999</LeadRU>
</PathConfirmedMessage>

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<WagonETI_ETA_Message xmlns:ns1="http://www.era.europa.eu/schemes/TAFTSI/3.4"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/3.4
file:///C:/Users/vargami/OneDrive%20-
%20European%20Union%20Agency%20for%20Railways%20(ERA)/Desktop/Telematics/Compliance%2
0mapping/IRAIL/Renfe/ConsignmentOrderMessage/XSD%203.4.0/taf_cat_complete.xsd">
<MessageHeader>
  <MessageReference>
    <MessageType>5006</MessageType>
    <MessageTypeVersion>3.4.0</MessageTypeVersion>
    <MessageIdentifier>9afee503-48dd-4f93-9da4-
08c4029d69e0</MessageIdentifier>
    <MessageDateTime>2023-12-13T11:13:00</MessageDateTime>
  </MessageReference>
  <Sender>2171</Sender>
  <MessageDateTimeCreated>2024-02-
06T11:27:42.256+01:00</MessageDateTimeCreated>
  <Recipient>9876</Recipient>
</MessageHeader>
<RelatedReference>
  <RelatedType>5004</RelatedType>
  <RelatedIdentifier>d0304bf0-a3ce-4886-b206-2b6c9eb91ef1</RelatedIdentifier>
  <RelatedSenderReference>9999</RelatedSenderReference>
  <RelatedMessageDateTime>2023-12-13T10:32:00</RelatedMessageDateTime>
</RelatedReference>
<WagonInformation>
  <WagonNumberFreight>11111111111</WagonNumberFreight>
  <LoadingStatus>0</LoadingStatus>
  <TotalWeight>1111</TotalWeight>
</WagonInformation>
<ArrivalInterchangeReport>
  <Source>Real Time Train Situation</Source>
  <Location>
    <CountryCodeISO>MT</CountryCodeISO>
    <LocationPrimaryCode>12345</LocationPrimaryCode>
    <PrimaryLocationName>City A</PrimaryLocationName>
  </Location>
  <ArrivalTimeAtLocation>2023-12-13T17:55:00</ArrivalTimeAtLocation>
</ArrivalInterchangeReport>
</WagonETI_ETA_Message>

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<AlertMessage xmlns:ns1="http://www.era.europa.eu/schemes/TAFTSI/3.4"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/3.4
file:///C:/Users/vargami/OneDrive%20-
%20European%20Union%20Agency%20for%20Railways%20(ERA)/Desktop/Telematics/Compliance%2
0mapping/IRAIL/Renfe/ConsignmentOrderMessage/XSD%203.4.0/taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>
      <MessageType>5001</MessageType>
      <MessageTypeVersion>3.4.0</MessageTypeVersion>
      <MessageIdentifier>9923f1df-9b6b-4049-9915-
5355f52b5506</MessageIdentifier>
      <MessageDateTime>2023-12-13T11:13:00</MessageDateTime>

```

```

        </MessageReference>
        <Sender>2171</Sender>
        <MessageDateTimeCreated>2024-02-
06T11:30:15.558+01:00</MessageDateTimeCreated>
        <Recipient>9876</Recipient>
    </MessageHeader>
    <CommitmentETA>2023-12-13T17:55:00</CommitmentETA>
    <ActualETA>2023-12-13T17:55:00</ActualETA>
    <WagonNumberFreight>11111111111</WagonNumberFreight>
</AlertMessage>

<?xml version="1.0" encoding="UTF-8"?>
<p:TrainCompositionMessage xmlns:p="http://www.era.europa.eu/schemes/TAFTSI/2.2"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.2
file:///C:/Users/vargami/OneDrive%20-
%20European%20Union%20Agency%20for%20Railways%20(ERA)/Desktop/Telematics/Compliance%20mapping/IRAIL/Renfe/XSD%202.2.2/taf_cat_complete.xsd">
    <p:MessageHeader>
        <p:MessageReference>
            <p:MessageType>3003</p:MessageType>
            <p:MessageTypeVersion>2.2.2</p:MessageTypeVersion>
            <p:MessageIdentifier xmlns="http://taf-
jsg.info/schemes">b75a8bd2-921f-11ee-83e9-005056911639</p:MessageIdentifier>
            <p:MessageDateTime xmlns="http://taf-jsg.info/schemes">2023-12-
03T22:05:41.298+01:00</p:MessageDateTime>
        </p:MessageReference>
        <p:SenderReference>c64a4c65-3844-4b00-81d6-
7b366fb28eb6</p:SenderReference>
        <p:Sender>2171</p:Sender>
        <p:Recipient>0071</p:Recipient>
    </p:MessageHeader>
    <p:MessageStatus>1</p:MessageStatus>
    <p:TransportOperationalIdentifiers>
        <p:ObjectType>TR</p:ObjectType>
        <p:Company>2171</p:Company>
        <p:Core>043831000000</p:Core>
        <p:Variant>00</p:Variant>
        <p:TimetableYear>2023</p:TimetableYear>
        <p:StartDate>2023-12-04+01:00</p:StartDate>
    </p:TransportOperationalIdentifiers>
    <p:OperationalTrainNumberIdentifier>
        <p:OperationalTrainNumber>43831</p:OperationalTrainNumber>
        <p:ScheduledTimeAtHandover>2023-12-
04T04:30:00.241+01:00</p:ScheduledTimeAtHandover>
    </p:OperationalTrainNumberIdentifier>
    <p:ReferenceOTN>
        <p:OperationalTrainNumberIdentifier>
            <p:OperationalTrainNumber>43831</p:OperationalTrainNumber>
        </p:OperationalTrainNumberIdentifier>
    </p:ReferenceOTN>
    <p:TrainCompositionJourneySection>
        <p:JourneySection>
            <p:JourneySectionDestination>

```

```

        <p:CountryCodeISO>ES</p:CountryCodeISO>
        <p:LocationPrimaryCode>37606</p:LocationPrimaryCode>
    </p:JourneySectionDestination>
    <p:JourneySectionOrigin>
        <p:CountryCodeISO>ES</p:CountryCodeISO>
        <p:LocationPrimaryCode>43023</p:LocationPrimaryCode>
    </p:JourneySectionOrigin>
    <p:ResponsibilityActualSection>
        <p:ResponsibleRU>2171</p:ResponsibleRU>
        <p:ResponsibleIM>0071</p:ResponsibleIM>
    </p:ResponsibilityActualSection>
    <p:ResponsibilityNextSection>
        <p:ResponsibleRU>2171</p:ResponsibleRU>
        <p:ResponsibleIM>0071</p:ResponsibleIM>
    </p:ResponsibilityNextSection>
</p:JourneySection>
<p:TrainRunningData>
    <p:TrainRunningTechData>
        <p:TrainType>2</p:TrainType>
        <p:TrainWeight>1111</p:TrainWeight>
        <p:TrainLength>176</p:TrainLength>
        <p:TrainMaxSpeed>100</p:TrainMaxSpeed>
        <p:BrakeType>P</p:BrakeType>
        <p:BrakeWeight>1111</p:BrakeWeight>
        <p:NumberOfVehicles>10</p:NumberOfVehicles>
        <p:NumberOfAxles>42</p:NumberOfAxles>
    </p:TrainRunningTechData>
    <p:DangerousGoodsIndicator>true</p:DangerousGoodsIndicator>
</p:TrainRunningData>
<p:LocoIdent>
    <p:TractionType>21</p:TractionType>
    <p:LocoNumber>957103333531</p:LocoNumber>
    <p:TractionMode>11</p:TractionMode>
    <p:DriverIndication>1</p:DriverIndication>
    <p:TractionPositionInTrain>1</p:TractionPositionInTrain>
</p:LocoIdent>
<p:LivestockOrPeopleIndicator>0</p:LivestockOrPeopleIndicator>
<p:WagonData>
    <p:WagonNumberFreight>347179190439</p:WagonNumberFreight>
    <p:WagonTrainPosition>1</p:WagonTrainPosition>
    <p:WagonOperationalData>
        <p:BrakeType>P</p:BrakeType>
        <p:BrakeWeight>1111</p:BrakeWeight>
        <p:WagonMaxSpeed>100</p:WagonMaxSpeed>
        <p:DangerousGoodsDetails>
            <p:DangerousGoodsIndication>
                <p:HazardIdentificationNumber>268</p:HazardIdentificationNumber>
                <p:UN_Number>1005</p:UN_Number>
            </p:DangerousGoodsIndication>
            <p:DangerousGoodsWeight>1111</p:DangerousGoodsWeight>
        </p:DangerousGoodsDetails>
        <p:LimitedQuantityIndicator>false</p:LimitedQuantityIndicator>
    </p:WagonOperationalData>
</p:WagonData>

```

```

        <p:TotalLoadWeight>1111</p:TotalLoadWeight>
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    <p:WagonTechData>
        <p:LengthOverBuffers>182</p:LengthOverBuffers>
        <p:WagonNumberOfAxles>4</p:WagonNumberOfAxles>
        <p:HandBrakeBrakedWeight>1111</p:HandBrakeBrakedWeight>
        <p:WagonWeightEmpty>36300</p:WagonWeightEmpty>
    </p:WagonTechData>
</p:WagonData>
<p:WagonData>
    <p:WagonNumberFreight>837179120246</p:WagonNumberFreight>
    <p:WagonTrainPosition>2</p:WagonTrainPosition>
    <p:WagonOperationalData>
        <p:BrakeType>P</p:BrakeType>
        <p:BrakeWeight>1111</p:BrakeWeight>
        <p:WagonMaxSpeed>100</p:WagonMaxSpeed>
        <p:DangerousGoodsDetails>
            <p:DangerousGoodsIndication>

<p:HazardIdentificationNumber>268</p:HazardIdentificationNumber>
            <p:UN_Number>1005</p:UN_Number>

<p:DangerousGoodsWeight>1111</p:DangerousGoodsWeight>

<p:LimitedQuantityIndicator>false</p:LimitedQuantityIndicator>
            </p:DangerousGoodsIndication>
            </p:DangerousGoodsDetails>
            <p:TotalLoadWeight>1111</p:TotalLoadWeight>
        </p:WagonOperationalData>
        <p:WagonTechData>
            <p:LengthOverBuffers>152</p:LengthOverBuffers>
            <p:WagonNumberOfAxles>4</p:WagonNumberOfAxles>
            <p:HandBrakeBrakedWeight>1111</p:HandBrakeBrakedWeight>
            <p:WagonWeightEmpty>32299</p:WagonWeightEmpty>
        </p:WagonTechData>
    </p:WagonData>
    <p:WagonData>
        <p:WagonNumberFreight>347179120279</p:WagonNumberFreight>
        <p:WagonTrainPosition>3</p:WagonTrainPosition>
        <p:WagonOperationalData>
            <p:BrakeType>P</p:BrakeType>
            <p:BrakeWeight>1111</p:BrakeWeight>
            <p:WagonMaxSpeed>100</p:WagonMaxSpeed>
            <p:DangerousGoodsDetails>
                <p:DangerousGoodsIndication>

<p:HazardIdentificationNumber>268</p:HazardIdentificationNumber>
                <p:UN_Number>1005</p:UN_Number>

<p:DangerousGoodsWeight>1111</p:DangerousGoodsWeight>

<p:LimitedQuantityIndicator>false</p:LimitedQuantityIndicator>
                </p:DangerousGoodsIndication>
                </p:DangerousGoodsDetails>
                <p:TotalLoadWeight>1111</p:TotalLoadWeight>
            </p:WagonOperationalData>
        </p:WagonData>
    </p:WagonData>

```

```

        </p:WagonOperationalData>
        <p:WagonTechData>
            <p:LengthOverBuffers>185</p:LengthOverBuffers>
            <p:WagonNumberOfAxles>4</p:WagonNumberOfAxles>
            <p:HandBrakeBrakedWeight>1111</p:HandBrakeBrakedWeight>
            <p:WagonWeightEmpty>35600</p:WagonWeightEmpty>
        </p:WagonTechData>
    </p:WagonData>
    <p:WagonData>
        <p:WagonNumberFreight>348779160046</p:WagonNumberFreight>
        <p:WagonTrainPosition>4</p:WagonTrainPosition>
        <p:WagonOperationalData>
            <p:BrakeType>P</p:BrakeType>
            <p:BrakeWeight>1111</p:BrakeWeight>
            <p:WagonMaxSpeed>100</p:WagonMaxSpeed>
            <p:DangerousGoodsDetails>
                <p:DangerousGoodsIndication>

<p:HazardIdentificationNumber>268</p:HazardIdentificationNumber>
                <p:UN_Number>1005</p:UN_Number>

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<p:LimitedQuantityIndicator>false</p:LimitedQuantityIndicator>
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        <p:WagonTechData>
            <p:LengthOverBuffers>168</p:LengthOverBuffers>
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            <p:WagonWeightEmpty>30900</p:WagonWeightEmpty>
        </p:WagonTechData>
    </p:WagonData>
    <p:WagonData>
        <p:WagonNumberFreight>348779160053</p:WagonNumberFreight>
        <p:WagonTrainPosition>5</p:WagonTrainPosition>
        <p:WagonOperationalData>
            <p:BrakeType>P</p:BrakeType>
            <p:BrakeWeight>1111</p:BrakeWeight>
            <p:WagonMaxSpeed>100</p:WagonMaxSpeed>
            <p:DangerousGoodsDetails>
                <p:DangerousGoodsIndication>

<p:HazardIdentificationNumber>268</p:HazardIdentificationNumber>
                <p:UN_Number>1005</p:UN_Number>

<p:DangerousGoodsWeight>1111</p:DangerousGoodsWeight>

<p:LimitedQuantityIndicator>false</p:LimitedQuantityIndicator>
                </p:DangerousGoodsIndication>
            </p:DangerousGoodsDetails>
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```



```

    <p:WagonTechData>
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    </p:WagonTechData>
  </p:WagonData>
  <p:WagonData>
    <p:WagonNumberFreight>837179120311</p:WagonNumberFreight>
    <p:WagonTrainPosition>6</p:WagonTrainPosition>
    <p:WagonOperationalData>
      <p:BrakeType>P</p:BrakeType>
      <p:BrakeWeight>1111</p:BrakeWeight>
      <p:WagonMaxSpeed>100</p:WagonMaxSpeed>
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        <p:DangerousGoodsIndication>
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          <p:UN_Number>1005</p:UN_Number>
        </p:DangerousGoodsIndication>
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    <p:WagonTechData>
      <p:LengthOverBuffers>152</p:LengthOverBuffers>
      <p:WagonNumberOfAxles>4</p:WagonNumberOfAxles>
      <p:HandBrakeBrakedWeight>1111</p:HandBrakeBrakedWeight>
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      </p:DangerousGoodsDetails>
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    <p:WagonTechData>

```

```

        <p:LengthOverBuffers>182</p:LengthOverBuffers>
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        <p:HandBrakeBrakedWeight>1111</p:HandBrakeBrakedWeight>
        <p:WagonWeightEmpty>36300</p:WagonWeightEmpty>
    </p:WagonTechData>
</p:WagonData>
<p:WagonData>
    <p:WagonNumberFreight>347179190215</p:WagonNumberFreight>
    <p:WagonTrainPosition>8</p:WagonTrainPosition>
    <p:WagonOperationalData>
        <p:BrakeType>P</p:BrakeType>
        <p:BrakeWeight>1111</p:BrakeWeight>
        <p:WagonMaxSpeed>100</p:WagonMaxSpeed>
        <p:DangerousGoodsDetails>
            <p:DangerousGoodsIndication>

<p:HazardIdentificationNumber>268</p:HazardIdentificationNumber>
            <p:UN_Number>1005</p:UN_Number>

<p:DangerousGoodsWeight>1111</p:DangerousGoodsWeight>

<p:LimitedQuantityIndicator>false</p:LimitedQuantityIndicator>
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    <p:WagonTechData>
        <p:LengthOverBuffers>182</p:LengthOverBuffers>
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        <p:HandBrakeBrakedWeight>1111</p:HandBrakeBrakedWeight>
        <p:WagonWeightEmpty>36300</p:WagonWeightEmpty>
    </p:WagonTechData>
</p:WagonData>
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    <p:WagonTrainPosition>9</p:WagonTrainPosition>
    <p:WagonOperationalData>
        <p:BrakeType>P</p:BrakeType>
        <p:BrakeWeight>1111</p:BrakeWeight>
        <p:WagonMaxSpeed>100</p:WagonMaxSpeed>
        <p:DangerousGoodsDetails>
            <p:DangerousGoodsIndication>

<p:HazardIdentificationNumber>268</p:HazardIdentificationNumber>
            <p:UN_Number>1005</p:UN_Number>

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            </p:DangerousGoodsIndication>
            </p:DangerousGoodsDetails>
            <p:TotalLoadWeight>1111</p:TotalLoadWeight>
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    <p:WagonTechData>
        <p:LengthOverBuffers>168</p:LengthOverBuffers>

```

```

        <p:WagonNumberOfAxles>4</p:WagonNumberOfAxles>
        <p:HandBrakeBrakedWeight>1111</p:HandBrakeBrakedWeight>
        <p:WagonWeightEmpty>31900</p:WagonWeightEmpty>
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</p:WagonData>
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</p:TrainCompositionMessage>

<?xml version="1.0" encoding="UTF-8"?>
<TrainReadyMessage xmlns:ns1="http://www.era.europa.eu/schemes/TAFTSI/3.4"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/3.4
file:///C:/Users/vargami/OneDrive%20-
%20European%20Union%20Agency%20for%20Railways%20(ERA)/Desktop/Telematics/Compliance%2
0mapping/IRAIL/Renfe/ConsignmentOrderMessage/XSD%203.4.0/taf_cat_complete.xsd">
    <MessageHeader>
        <MessageReference>
            <MessageType>3006</MessageType>
            <MessageTypeVersion>2.2.2</MessageTypeVersion>
            <MessageIdentifier xmlns="http://taf-jsg.info/schemes">2c525ccf-
9253-11ee-83e9-005056911639</MessageIdentifier>
            <MessageDateTime xmlns="http://taf-jsg.info/schemes">2023-12-
04T04:14:01.868+01:00</MessageDateTime>
        </MessageReference>
        <Sender>2171</Sender>
        <Recipient>9876</Recipient>
    </MessageHeader>
    <MessageStatus>1</MessageStatus>
    <OperationalTrainNumberIdentifier>
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        <ScheduledTimeAtHandover>2023-12-04T04:30:00</ScheduledTimeAtHandover>
    </OperationalTrainNumberIdentifier>
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        <LocationPrimaryCode>12345</LocationPrimaryCode>
    </TrainLocation>
    <TrainReadyStatus>
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    </TrainReadyStatus>
</TrainReadyMessage>

<TrainRunningForecastMessage xmlns:ns1="http://www.era.europa.eu/schemes/TAFTSI/3.4"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/3.4
file:///C:/Users/vargami/OneDrive%20-
%20European%20Union%20Agency%20for%20Railways%20(ERA)/Desktop/Telematics/Compliance%2
0mapping/IRAIL/Renfe/ConsignmentOrderMessage/XSD%203.4.0/taf_cat_complete.xsd">
    <MessageHeader>
        <MessageReference>
            <MessageType>4004</MessageType>
            <MessageTypeVersion>2.5.0.0</MessageTypeVersion>

```

```

        <MessageIdentifier
xmlns="http://www.era.europa.eu/schemes/TAFTSI/2.5">be9d6c9a-9254-11ee-948e-
005056be5a43</MessageIdentifier>
        <MessageDateTime
xmlns="http://www.era.europa.eu/schemes/TAFTSI/2.5">2023-12-
04T04:25:16.900+01:00</MessageDateTime>
        </MessageReference>
        <Sender>0071</Sender>
        <Recipient>9876</Recipient>
    </MessageHeader>
    <MessageStatus>1</MessageStatus>
    <OperationalTrainNumberIdentifier>
        <OperationalTrainNumber>11111</OperationalTrainNumber>
        <ScheduledTimeAtHandover>2023-12-
04T04:30:00+01:00</ScheduledTimeAtHandover>
        <ScheduledDateTimeAtTransfer>2023-12-
04T14:08:00+01:00</ScheduledDateTimeAtTransfer>
    </OperationalTrainNumberIdentifier>
    <ReferenceOTN>
        <OperationalTrainNumberIdentifier>
            <OperationalTrainNumber>11111</OperationalTrainNumber>
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04T04:30:00+01:00</ScheduledTimeAtHandover>
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04T14:08:00+01:00</ScheduledDateTimeAtTransfer>
        </OperationalTrainNumberIdentifier>
    </ReferenceOTN>
    <ResponsibleRU>9876</ResponsibleRU>
    <TrainLocationReport>
        <Location>
            <CountryCodeISO>MT</CountryCodeISO>
            <LocationPrimaryCode>12345</LocationPrimaryCode>
            <PrimaryLocationName>City A</PrimaryLocationName>
        </Location>
        <LocationDateTime>2023-12-04T13:57:00+01:00</LocationDateTime>
        <TrainLocationStatus>01</TrainLocationStatus>
        <BookedLocationDateTime>2023-12-
04T14:08:00+01:00</BookedLocationDateTime>
        <TrainDelay>
            <AgainstBooked>-0011</AgainstBooked>
        </TrainDelay>
    </TrainLocationReport>
    <TransferPoint>
        <CountryCodeISO>MT</CountryCodeISO>
        <LocationPrimaryCode>12345</LocationPrimaryCode>
        <PrimaryLocationName>City A</PrimaryLocationName>
    </TransferPoint>
    <TransfereeIM>9876</TransfereeIM>
</TrainRunningForecastMessage>

<TrainRunningInterruptionMessage
xmlns:ns1="http://www.era.europa.eu/schemes/TAFTSI/3.4"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

```

```

xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/3.4
file:///C:/Users/vargami/OneDrive%20-
%20European%20Union%20Agency%20for%20Railways%20(ERA)/Desktop/Telematics/Compliance%2
0mapping/IRAIL/Renfe/ConsignmentOrderMessage/XSD%203.4.0/taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>
      <MessageType>4006</MessageType>
      <MessageTypeVersion>2.2.2</MessageTypeVersion>
      <MessageIdentifier xmlns="http://taf-jsg.info/schemes">d9b189af-
926f-11ee-948e-005056be5a43</MessageIdentifier>
      <MessageDateTime xmlns="http://taf-jsg.info/schemes">2023-12-
04T07:39:18.658+01:00</MessageDateTime>
    </MessageReference>
    <Sender>0071</Sender>
    <Recipient>9876</Recipient>
  </MessageHeader>
  <MessageStatus>1</MessageStatus>
  <OperationalTrainNumberIdentifier>
    <OperationalTrainNumber>11111</OperationalTrainNumber>
    <ScheduledTimeAtHandover>2023-12-
04T07:00:00+01:00</ScheduledTimeAtHandover>
    <ScheduledDateTimeAtTransfer>2023-12-
04T07:33:00+01:00</ScheduledDateTimeAtTransfer>
  </OperationalTrainNumberIdentifier>
  <ResponsibleRU>9876</ResponsibleRU>
  <InterruptionPoint>
    <Location>
      <CountryCodeISO>MT</CountryCodeISO>
      <LocationPrimaryCode>12345</LocationPrimaryCode>
      <PrimaryLocationName>City A</PrimaryLocationName>
    </Location>
    <DetailedDescriptionOfLocation>2023-12-
04T07:00:00+01:00</DetailedDescriptionOfLocation>
    <Interruption>
      <InterruptionDateTime>2023-12-
04T07:00:00+01:00</InterruptionDateTime>
    </Interruption>
  </InterruptionPoint>
  <TransferPoint>
    <CountryCodeISO>MT</CountryCodeISO>
    <LocationPrimaryCode>12345</LocationPrimaryCode>
    <PrimaryLocationName>City A</PrimaryLocationName>
  </TransferPoint>
  <TransfereeIM>9876</TransfereeIM>
</TrainRunningInterruptionMessage>

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<WagonReleaseNoticeMessage xmlns:ns1="http://www.era.europa.eu/schemes/TAFTSI/3.4"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/3.4
file:///C:/Users/vargami/OneDrive%20-
%20European%20Union%20Agency%20for%20Railways%20(ERA)/Desktop/Telematics/Compliance%2
0mapping/IRAIL/Renfe/ConsignmentOrderMessage/XSD%203.4.0/taf_cat_complete.xsd">
  <MessageHeader>

```

```

<MessageReference>
  <MessageType>5014</MessageType>
  <MessageTypeVersion>3.4.0</MessageTypeVersion>
  <MessageIdentifier>a8f1c155-2523-4646-b1ee-
35a58378b56b</MessageIdentifier>
  <MessageDateTime>2023-12-13T15:31:00</MessageDateTime>
</MessageReference>
<Sender>2171</Sender>
<MessageDateTimeCreated>2024-02-
06T13:08:31.097+01:00</MessageDateTimeCreated>
<Recipient>9876</Recipient>
</MessageHeader>
<WagonInformation>
  <WagonNumberFreight>11111111111</WagonNumberFreight>
  <LoadingStatus>0</LoadingStatus>
  <TotalWeight>1111</TotalWeight>
</WagonInformation>
<WagonPickupAtOrigin>
  <Location>
    <CountryCodeISO>MT</CountryCodeISO>
    <LocationPrimaryCode>12345</LocationPrimaryCode>
    <PrimaryLocationName>City A</PrimaryLocationName>
  </Location>
  <DepartureTimeAtLocation>2023-12-13T15:30:00</DepartureTimeAtLocation>
</WagonPickupAtOrigin>
</WagonReleaseNoticeMessage>

```

Common Interface

The screenshot displays the RNECCS Common Components System web interface. The top navigation bar includes links for Dashboard, Administration, Reference Data, Log & Audit, Metadata, Mapping, LI Information, and Reports. The main menu on the left shows the path: Administration >> Legacy Connectors >> Web Services >> Edit Web Service. The central form is titled 'Web Service Information' and contains the following fields:

- Service Name:** 2171_TrainReady_0071
- Message Direction:** Out-bound
- Company:** RENFE Mercancias - 2171
- WSDL URL:** http://taf.sr.renfe.es/ILMessageProcessing/httpwscconnector/2171_TrainReady_0071.wsdl
- Status:** Active (radio button selected)
- Service Type:** Publish
- Character Encoding:** UTF-8
- Sender ID:** RENFE Mercancias - 2171
- Message Format:** TrainReadyMessage
- Receiver ID:** ADIF - 0071
- Supported Message types:** TrainReadyMessage - 2.2.2
- Associated Message types:** (empty list)

At the bottom of the form, there are buttons for 'Save', 'Reset', and 'Cancel'.

The screenshot shows the ORNECCS Common Components System interface. The top navigation bar includes 'Dashboard', 'Administration', 'Reference Data', 'Log & Audit', 'Metadata', 'Mapping', 'LI Information', and 'Reports'. The 'Metadata' section is active, showing 'Message Format Config', 'Common/Shared Metadata', and 'Private Metadata'. The 'Private Metadata' tab is selected, displaying the 'Edit Message Definition' form for 'TrainReadyMessage'. The form includes fields for 'Message Type Name' (TrainReadyMessage), 'Message Format' (TrainReadyMessage), 'Message Version' (2.2.2), and 'Message Type' (3006). Below the form is a table with columns for 'Message Name', 'Message Format', 'Message Version', and 'Message Type'. The table contains two rows: '2171 TrainReady_0071' and '2171 TrainReady_3824', both with 'TrainReadyMessage-2.2.2' as the format and '3006' as the type.

Reference Files

```
<ns1:Location>
  <ns1:CountryCodeISO>ES</ns1:CountryCodeISO>
  <ns1:LocationPrimaryCode>71902</ns1:LocationPrimaryCode>
  <ns1:PrimaryLocationName>Barcelona-Morrot</ns1:PrimaryLocationName>
</ns1:Location>

<ns1:TrainLocation>
  <ns1:CountryCodeISO>ES</ns1:CountryCodeISO>
  <ns1:LocationPrimaryCode>43023</ns1:LocationPrimaryCode>
</ns1:TrainLocation>

<p:Company>2171</p:Company>
<ns1:Sender>2171</ns1:Sender>
<ns1:Recipient>0071</ns1:Recipient>
```

Unique Train Identifiers

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<ns1:Identifiers>
  <ns1:PlannedTransportIdentifiers>
    <ns1:ObjectType>CR</ns1:ObjectType>
    <ns1:Company>0071</ns1:Company>
    <ns1:Core>----OMRM0026</ns1:Core>
    <ns1:Variant>01</ns1:Variant>
    <ns1:TimetableYear>2024</ns1:TimetableYear>
  </ns1:PlannedTransportIdentifiers>
  <ns1:PlannedTransportIdentifiers>
    <ns1:ObjectType>PA</ns1:ObjectType>
    <ns1:Company>0071</ns1:Company>
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    <ns1:Variant>01</ns1:Variant>
    <ns1:TimetableYear>2024</ns1:TimetableYear>
  </ns1:PlannedTransportIdentifiers>
  <ns1:PlannedTransportIdentifiers>
    <ns1:ObjectType>TR</ns1:ObjectType>
    <ns1:Company>2171</ns1:Company>
    <ns1:Core>-----80865</ns1:Core>
    <ns1:Variant>01</ns1:Variant>
    <ns1:TimetableYear>2024</ns1:TimetableYear>
```

```

</ns1:PlannedTransportIdentifiers>
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  <ns1:ObjectType>RO</ns1:ObjectType>
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  <ns1:Core>-----80865</ns1:Core>
  <ns1:Variant>01</ns1:Variant>
  <ns1:TimetableYear>2024</ns1:TimetableYear>
</ns1:PlannedTransportIdentifiers>
</ns1:Identifiers>

```

WIMO

RSRD

Database DDL at RENFE to store RollingStockReferenceDataBase datasets²

```

CREATE TABLE "GLAVE"."MER_VAGONES_RSRD2"
(
  "WAGON_NUMBER_FREIGHT" VARCHAR2(12) NOT NULL ENABLE,
  "PREV_WAGON_NUMBER_FREIGHT" VARCHAR2(12),
  "REGISTRATION_COUNTRY" VARCHAR2(2),
  "DATE_PUT_INTO_SERVICE" DATE,
  "AUTHORISATION" VARCHAR2(1),
  "AUTHORISATION_VALID_UNTIL" DATE,
  "SUSPENSION_OF_AUTHORISATION" VARCHAR2(1),
  "DATE_SUSP_OF_AUTHORISATION" DATE,
  "EC_VERIFICATION" VARCHAR2(1),
  "MULTI_AUTH_COUNTRIES" VARCHAR2(1),
  "QUIETER_ROUT_EXEMP_COUNTRY" VARCHAR2(1),
  "CHANNEL_TUNNEL_PERMITTED" VARCHAR2(20),
  "OWNER_COMPANY_CODE" NUMBER,
  "OWNER_NAME" VARCHAR2(20),
  "KEEPER_COMPANY_CODE" NUMBER,
  "KEEPER_NAME" VARCHAR2(50),
  "KEEPER_SHORT_NAME_VKM" VARCHAR2(20),
  "ECM_COMPANY_CODE" NUMBER,
  "ECM" VARCHAR2(50),
  "CURRENT_ECM_ASSIGN_UNTIL" DATE,
  "SUBSEQ_ECM_COMPANY_CODE" NUMBER,
  "SUBSEQ_ECM" VARCHAR2(50),

```

² RENFE does not generate RSRD messages / datasets but it is prepared to consume them and store in its RSRD database

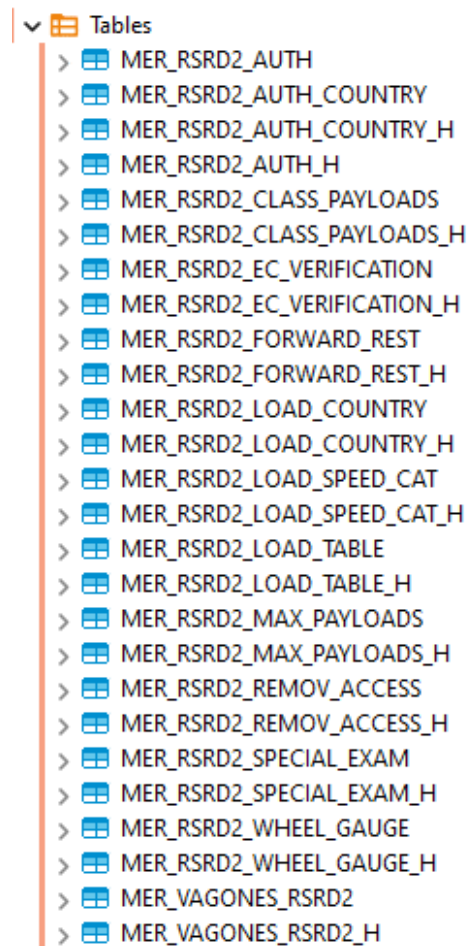
"EIN_COUNTRY_CODE_ISO" VARCHAR2(20),
"TYPE_DOCUMENT_EIN" VARCHAR2(20),
"COUNT_ACREDIT_RECOG_BODY" NUMBER,
"EIN_YEAR" NUMBER,
"EIN_COUNTER" NUMBER,
"ECM_CERT_VALID_FROM" DATE,
"ECM_CERT_VALID_TO" DATE,
"COVERS_TANK_DANGER_GOODS" VARCHAR2(20),
"ECM_CERT_SUSP" VARCHAR2(20),
"DATE_ECM_CERT_SUSPENDED" VARCHAR2(20),
"PREV_KEEPER_COMPANY_CODE" NUMBER,
"PREV_KEEPER_NAME" VARCHAR2(20),
"INTEROP_CAPABILITY" NUMBER,
"OUT_OF_SERVICE_FLAG" VARCHAR2(1),
"WITHDRAWAL_CODE" VARCHAR2(2),
"WITHDRAWAL_DATE" DATE,
"GCU_WAGON" VARCHAR2(20),
"LETTER_MARKING" VARCHAR2(20),
"COMBI_TRANS_WAGON_TYPE" VARCHAR2(20),
"TANK_CODE" VARCHAR2(20),
"WAGON_NUM_OF_AXLES" NUMBER,
"WHEEL_SET_TYPE" VARCHAR2(20),
"WHEEL_DIAMETER" NUMBER,
"WHEELSET_GAUGE" VARCHAR2(1),
"WHEEL_SET_TRANS_METHOD" NUMBER,
"NUMBER_OF_BOGIES" NUMBER,
"BOGIE_PITCH" NUMBER,
"BOGIE_PIVOT_PITCH" NUMBER,
"INNER_WHEELBASE" NUMBER,
"COUPLING_TYPE" VARCHAR2(20),
"BUFFER_TYPE" VARCHAR2(20),
"NORMAL_LOADING_GAUGE" VARCHAR2(20),
"MIN_CURVE_RADIUS" NUMBER,
"MIN_VERT_RAD_YARD_HUMP" NUMBER,
"WAGON_WEIGHT_EMPTY" NUMBER,
"LENGTH_OVER_BUFFERS" NUMBER,
"MAX_AXLE_WEIGHT" NUMBER,
"LOAD_TABLE" VARCHAR2(1),
"MAX_DESIGN_SPEED" NUMBER,
"AIR_BRAKE" VARCHAR2(1),
"HAND_BRAKE_TYPE" VARCHAR2(20),
"HAND_BRAKED_WEIGHT" NUMBER,
"PARKING_BRAKE_FORCE" NUMBER,
"DERAILMENT_DETECT_DEVICE" VARCHAR2(20),
"BRAKE_BLOCK_NAME" VARCHAR2(20),
"COMP_BRAKE_BLOCK_RETROFITTED" VARCHAR2(20),
"COMP_BRAKE_BLOCK_INSTALL_DATE" DATE,
"MAX_LENGTH_OF_LOAD" NUMBER,
"LOAD_AREA" NUMBER,
"HEIGHT_LOAD_PLANE_UNLADEN" NUMBER,
"REMOVABLE_ACCESSORIES" VARCHAR2(1),
"LOADING_CAPACITY" NUMBER,
"MAX_GROSS_WEIGHT" NUMBER,
"VAPOUR_RETURN_SYSTEM" VARCHAR2(20),
"FERRY_PERMITTED_FLAG" VARCHAR2(20),

```

    "FERRY_RAMP_ANGLE" NUMBER,
    "MAX_TEMP" NUMBER,
    "MIN_TEMP" NUMBER,
    "TECH_FORWARD_RESTRICT" VARCHAR2(1),
    "MAINTENANCE_PLAN_REF" VARCHAR2(20),
    "SPECIAL_EXAMINATION" VARCHAR2(1),
    "DATE_LAST_OVERHAUL" DATE,
    "OVERHAUL_VALIDITY_PERIOD" NUMBER,
    "PERMITTED_TOLERANCE" NUMBER,
    "PLANNED_DATE_NEXT_OVERHAUL" DATE,
    "DATE_OF_NEXT_TANK_INSP" DATE,
    "MODIFICATION_DATE" DATE
);

```

Tables that store the data consumed from the RSRD² database:



WIMO:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
```

```

<WagonInterchangeNoticeMessage
xmlns:ns1="http://www.era.europa.eu/schemes/TAFTSI/3.4">
  <MessageHeader>
    <MessageReference>
      <MessageType>5009</MessageType>
      <MessageTypeVersion>3.4.0</MessageTypeVersion>
      <MessageIdentifier>f01af04f-3718-4093-8e2b-
3d60ecc17025</MessageIdentifier>
      <MessageDateTime>2023-12-13T17:10:00</MessageDateTime>
    </MessageReference>
    <Sender>2171</Sender>
    <MessageDateTimeCreated>2024-02-
06T14:24:36.587+01:00</MessageDateTimeCreated>
    <Recipient>9876</Recipient>
  </MessageHeader>
  <WagonInformation>
    <WagonNumberFreight>837193381097</WagonNumberFreight>
    <LoadingStatus>0</LoadingStatus>
    <TotalWeight>1111</TotalWeight>
  </WagonInformation>
  <DeliveryInterchangePoint>
    <Location>
      <CountryCodeISO>MT</CountryCodeISO>
      <LocationPrimaryCode>12345</LocationPrimaryCode>
      <PrimaryLocationName>City A</PrimaryLocationName>
    </Location>
    <DeliveryTimeAtInterchange>2023-12-13T17:10:00</DeliveryTimeAtInterchange>
  </DeliveryInterchangePoint>
  <OperationalTrainNumber>11111</OperationalTrainNumber>
</WagonInterchangeNoticeMessage>

```

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<WagonReceivedAtInterchangeMessage
xmlns:ns1="http://www.era.europa.eu/schemes/TAFTSI/3.4">
  <MessageHeader>
    <MessageReference>
      <MessageType>5012</MessageType>
      <MessageTypeVersion>3.4.0</MessageTypeVersion>
      <MessageIdentifier>3bde7527-1d24-47b4-b154-
68d85410b223</MessageIdentifier>
      <MessageDateTime>2023-12-13T17:10:00</MessageDateTime>
    </MessageReference>
    <Sender>9999</Sender>
    <MessageDateTimeCreated>2024-02-
06T14:25:33.125+01:00</MessageDateTimeCreated>
    <Recipient>2171</Recipient>
  </MessageHeader>
  <RelatedReference>
    <RelatedType>0</RelatedType>
    <RelatedIdentifier>f01af04f-3718-4093-8e2b-3d60ecc17025</RelatedIdentifier>
    <RelatedMessageDateTime>2023-12-13T17:12:00</RelatedMessageDateTime>
  </RelatedReference>
  <WagonNumberFreight>837193381097</WagonNumberFreight>

```

```

<AcceptanceInterchangePoint>
  <Location>
    <CountryCodeISO>MT</CountryCodeISO>
    <LocationPrimaryCode>12345</LocationPrimaryCode>
    <PrimaryLocationName>City A</PrimaryLocationName>
  </Location>
  <AcceptanceTimeAtInterchange>2023-12-
13T17:10:00</AcceptanceTimeAtInterchange>
</AcceptanceInterchangePoint>
</WagonReceivedAtInterchangeMessage>

```

Database screenshot from RENFE to store Wagon Events (WIMO):

'SELECT cdgo_tren, asigna tren, fecha_origen_tren, num_vagon, cod_esta_origen, cod |  Enter a SQL expression to filter results (use Ctrl+Space)

	ABC TREN	FECHA_ORIGEN_TREN	ABC NUM_VAGON	ABC COD_ESTA_ORIGEN	ABC COD_ESTA_DESTINO
1	80514	13/12/2023 00:00:00	837193381097	72209	71901