



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

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Italy

Valenciennes, 31/1/2024

**IRAIL Project Compliance Test – Captrain Italia SRL: CEF Grant Agreement 2018-EU-TM-0122-W – Milestone 4, 5, 6, 7, 8, 9, 10, 11, 12**

Dear Silvia De Rocchi,

I confirm and certify herewith that the following TAF TSI functionality implemented by the company Captrain Italia SRL (Italy), within the project “Captrain Italia SRL: CEF Grant Agreement 2018-EU-TM-0122-W – Milestone 4, 5, 6, 7, 8, 9, 10, 11, 12”, is compliant with the appropriate provisions of chapters "4.2.1. Consignment Note data", "4.2.2.2. Path Request message", "4.2.3.2. Train Composition message", "4.2.3.3. Train ready message", "4.2.4.2. Train running forecast message", "4.2.5.2. Train running interrupted", "4.2.6. Shipment ETA" and "4.2.7. Wagon Movement" of the [TAF-TSI Regulation \(EU\) 2021/541](#) and its [Technical Documents](#) (XSD version 3.0.0 and 2.5.0, respectively) for the messages quoted below.

In these milestones the company Captrain Italia SRL had to implement the TAF TSI Consignment note, Path Request, Train Composition, Train Ready, Train Running Forecast, Train Running Interruption, Shipment ETA and Wagon Movement functions. To enable the ERA verification, Captrain Italia SRL has sent on 22/12/2023 to ERA TAF TSI compliant

- Consignment note
- Path Request
- Train Composition
- Train Ready
- Train Running Forecast
- Train Running Interruption
- Shipment ETA
- Wagon Movement

messages implemented and used in operation in its own IT system (see Annex).

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        <Wagons>
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02-18T05:10:00+00:00</EndDateTime>  
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</PathRequestMessage>
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**Annex – Path Details Message**

<pre> &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;PathDetailsMessage xmlns="http://www.era.europa.eu/schemes/TAFTSI/3.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema- instance" xsi:schemaLocation="http://www.era.europa.eu/scheme s/TAFTSI/3.0 file:///C:/.../taf_cat_complete.xsd"&gt;   &lt;MessageHeader&gt;     &lt;MessageReference&gt;    &lt;MessageType&gt;2003&lt;/MessageType&gt;    &lt;MessageTypeVersion&gt;3.0.2.0&lt;/MessageTypeVer sion&gt;    &lt;MessageIdentifier&gt;9517f25b-a38c-4b80-9f66- 622dbfca273f&lt;/MessageIdentifier&gt;     &lt;MessageDateTime&gt;2023-11- 12T11:01:25+01:00&lt;/MessageDateTime&gt;     &lt;/MessageReference&gt;    &lt;SenderReference&gt;XXXX&lt;/SenderReference&gt;     &lt;Sender&gt;2287&lt;/Sender&gt;     &lt;Recipient&gt;9876&lt;/Recipient&gt;   &lt;/MessageHeader&gt;   &lt;AdministrativeContactInformation&gt;     &lt;Name&gt;YYXXXX&lt;/Name&gt;     &lt;Address&gt;XXXX&lt;/Address&gt;     &lt;eMail&gt;XXXX&lt;/eMail&gt;     &lt;PhoneNumber&gt;+xxx&lt;/PhoneNumber&gt;     &lt;FaxNumber&gt;+xxx&lt;/FaxNumber&gt;    &lt;FreeTextField&gt;XXXX&lt;/FreeTextField&gt;   &lt;/AdministrativeContactInformation&gt;   &lt;MessageStatus&gt;1&lt;/MessageStatus&gt;   &lt;TypeOfRequest&gt;3&lt;/TypeOfRequest&gt;   &lt;TypeOfInformation&gt;01&lt;/TypeOfInformation&gt;   &lt;PathInformation&gt;     &lt;PlannedJourneyLocation&gt;    &lt;CountryCodeISO&gt;MT&lt;/CountryCodeISO&gt;    &lt;LocationPrimaryCode&gt;12345&lt;/LocationPrimary Code&gt;     &lt;TimingAtLocation&gt;       &lt;Timing&gt;    &lt;Time&gt;18:45:00+00:00&lt;/Time&gt; </pre>	<pre>     &lt;Offset&gt;0&lt;/Offset&gt;      &lt;BookedLocationDateTime&gt;2023-02- 06T18:45:00+00:00&lt;/BookedLocationDateTime&gt;       &lt;/Timing&gt;     &lt;/TimingAtLocation&gt;      &lt;ResponsibleRU&gt;9876&lt;/ResponsibleRU&gt;      &lt;OperationalTrainNumber&gt;1111&lt;/OperationalT rainNumber&gt;       &lt;/PlannedJourneyLocation&gt;     &lt;/PlannedJourneyLocation&gt;      &lt;CountryCodeISO&gt;MT&lt;/CountryCodeISO&gt;      &lt;LocationPrimaryCode&gt;12345&lt;/LocationPrimary Code&gt;       &lt;TimingAtLocation&gt;         &lt;Timing&gt;      &lt;Time&gt;05:10:00+00:00&lt;/Time&gt;      &lt;Offset&gt;1&lt;/Offset&gt;      &lt;BookedLocationDateTime&gt;2023-02- 07T05:10:00+00:00&lt;/BookedLocationDateTime&gt;       &lt;/Timing&gt;     &lt;/TimingAtLocation&gt;      &lt;ResponsibleRU&gt;9876&lt;/ResponsibleRU&gt;      &lt;OperationalTrainNumber&gt;1111&lt;/OperationalT rainNumber&gt;       &lt;/PlannedJourneyLocation&gt;     &lt;/PlannedCalendar&gt;       &lt;ValidityPeriod&gt;      &lt;StartDateTime&gt;2023-02- 06T18:45:00+00:00&lt;/StartDateTime&gt;       &lt;EndDateTime&gt;2023- 02-18T05:10:00+00:00&lt;/EndDateTime&gt;       &lt;/ValidityPeriod&gt;     &lt;/PlannedCalendar&gt;   &lt;/PathInformation&gt; &lt;/PathDetailsMessage&gt; </pre>
--	---

**Annex – Path Confirmed Message**

```

<?xml version="1.0" encoding="UTF-8"?>
<PathConfirmedMessage
xmlns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:ns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.5 file:///C:/.../taf_cat_complete.xsd">
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  <MessageTypeVersion>2.5.0.0</MessageTypeVersion>

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    <MessageDateTime>2023-11-12T10:01:22.843Z</MessageDateTime>
    </MessageReference>

  <SenderReference>XXXX</SenderReference>
    <Sender
ns:CI_InstanceNumber="01">2287</Sender>
    <Recipient
ns:CI_InstanceNumber="21">9999</Recipient>
  </MessageHeader>
  <AdministrativeContactInformation>
    <Name>YYYYXX</Name>
    <Address>XXXX</Address>
    <eMail>XXx</eMail>
    <PhoneNumber>+xxx</PhoneNumber>
    <FaxNumber>+xxx</FaxNumber>

  <FreeTextField>XXXX</FreeTextField>
</AdministrativeContactInformation>
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<TypeOfRequest>3</TypeOfRequest>
<TypeOfInformation>02</TypeOfInformation>
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    <BookedLocationTime>18:45:00+00:00</BookedLocationTime>
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    <EndOfSection>

    <CountryCodeISO>MT</CountryCodeISO>

    <LocationPrimaryCode>12345</LocationPrimaryCode>
      <PrimaryLocationName>City
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    <BookedLocationDateTime>2023-02-19T05:10:00+00:00</BookedLocationDateTime>

    <BookedLocationTime>05:10:00+00:00</BookedLocationTime>
      </EndOfSection>

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**Annex – Path Details Refused Message**

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<PathDetailsRefusedMessage
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xmlns:ns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.5 file:///C:/.../taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>

  </MessageReference>

  <MessageType>2001</MessageType>

  <MessageTypeVersion>2.5.0.0</MessageTypeVersion>

  <MessageIdentifier>86628360-f7fc-4635-916d-16d6b789c4c8</MessageIdentifier>
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  </MessageReference>

  <SenderReference>XXXX</SenderReference>
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```
    <Sender
ns:CI_InstanceNumber="01">2287</Sender>
    <Recipient
ns:CI_InstanceNumber="21">9999</Recipient>
  </MessageHeader>
  <AdministrativeContactInformation>

  <Name>YYYYXX</Name>
  <Address>XXXX</Address>
  <eMail>XXXu</eMail>
  <PhoneNumber>+xxx</PhoneNumber>
  <FaxNumber>+xxx</FaxNumber>

  <FreeTextField>XXXX</FreeTextField>
</AdministrativeContactInformation>
  <MessageStatus>2</MessageStatus>
  <TypeOfRequest>3</TypeOfRequest>
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</PathDetailsRefusedMessage>
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**Annex – Path Not Available Message**

```

<?xml version="1.0" encoding="UTF-8"?>
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instance"
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s/TAFTSI/3.0 file:///C:/.../taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>

  </MessageHeader>
  <MessageType>2005</MessageType>
  <MessageTypeVersion>3.0.2.0</MessageTypeVer
sion>
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  <MessageReference>

  <SenderReference>XXXX</SenderReference>
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  <Recipient>9876</Recipient>
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  <FaxNumber>+xxx</FaxNumber>
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<TypeOfInformation>03</TypeOfInformation>
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<LeadRU>9999</LeadRU>
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A</PrimaryLocationName>

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  <BookedLocationTime>18:45:00+00:00</BookedL
ocationTime>
</StartOfSection>

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<EndOfSection>
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  <BookedLocationTime>05:10:00+00:00</BookedL
ocationTime>
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  </PlannedCalendar>
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  </NetworkSpecificParameter>
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**Annex – Train Composition Message**

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xsi:schemaLocation="http://www.era.europa.eu/scheme
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    </MessageReference>

  <SenderReference>XXXX</SenderReference>
    <Sender>2287</Sender>
    <Recipient>9876</Recipient>
  </MessageHeader>
  <MessageStatus>1</MessageStatus>
  <TransportOperationalIdentifiers>
    <ObjectType>TR</ObjectType>
    <Company>6543</Company>
    <Core>-----12345</Core>
    <Variant>00</Variant>

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    <StartDate>2023-03-28</StartDate>
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  <OperationalTrainNumberIdentifier>

  <OperationalTrainNumber>1111</OperationalT
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    <ScheduledTimeAtHandover>2023-03-
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  </OperationalTrainNumberIdentifier>
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  <JourneySectionDestination>

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  <LocationPrimaryCode>12345</LocationPrimary
Code>

  <PrimaryLocationName>City
A</PrimaryLocationName>

  </JourneySectionDestination>
    <JourneySectionOrigin>

  <CountryCodeISO>MT</CountryCodeISO>

  <LocationPrimaryCode>12345</LocationPrimary
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  <PrimaryLocationName>City
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    </JourneySectionOrigin>

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  <ResponsibleIM>1234</ResponsibleIM>

  </ResponsibilityActualSection>

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  <ResponsibleRU>9876</ResponsibleRU>

  <ResponsibleIM>1234</ResponsibleIM>

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  </JourneySection>
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  <TrainWeight>1111</TrainWeight>

  <TrainLength>235</TrainLength>

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  <BrakeWeight>1111</BrakeWeight>

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  </ActivityLocationIdent>
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<WagonNumberFreight>11111111111</WagonNumb  
erFreight>  
<WagonTrainPosition>7</WagonTrainPosition>  
<WagonOperationalData>  
<BrakeType>1</BrakeType>  
<TotalLoadWeight>1111</TotalLoadWeight>  
</WagonOperationalData>  
<WagonTechData>  
<LengthOverBuffers>1974</LengthOverBuffers>  
<WagonNumberOfAxes>4</WagonNumberOfAxes>



```

<HandBrakeBrakedWeight>1111</HandBrakeBrake
dWeight>
  <WagonWeightEmpty>99999</WagonWeightEmpty>
    </WagonTechData>
  </WagonData>
  <WagonData>
    <WagonNumberFreight>11111111111</WagonNumb
erFreight>
    <WagonTrainPosition>8</WagonTrainPosition>
      <WagonOperationalData>
        <BrakeType>1</BrakeType>
        <TotalLoadWeight>1111</TotalLoadWeight>
          </WagonOperationalData>
          <WagonTechData>
            <LengthOverBuffers>1974</LengthOverBuffers>
            <WagonNumberOfAxes>4</WagonNumberOfAxes>
            <HandBrakeBrakedWeight>1111</HandBrakeBrake
dWeight>
              <WagonWeightEmpty>99999</WagonWeightEmpty>
                </WagonTechData>
              </WagonData>
              <WagonData>
                <WagonNumberFreight>11111111111</WagonNumb
erFreight>
                <WagonTrainPosition>9</WagonTrainPosition>
                  <WagonOperationalData>
                    <BrakeType>1</BrakeType>
                    <TotalLoadWeight>1111</TotalLoadWeight>
                      </WagonOperationalData>
                      <WagonTechData>
                        <LengthOverBuffers>1974</LengthOverBuffers>
                        <WagonNumberOfAxes>4</WagonNumberOfAxes>
                        <HandBrakeBrakedWeight>1111</HandBrakeBrake
dWeight>
                          <WagonWeightEmpty>99999</WagonWeightEmpty>
                            </WagonTechData>
                          </WagonData>
                          <WagonData>
                            <WagonNumberFreight>11111111111</WagonNumb
erFreight>
                            <WagonTrainPosition>11</WagonTrainPosition>
                              <WagonOperationalData>
                                <BrakeType>1</BrakeType>
                                <TotalLoadWeight>1111</TotalLoadWeight>
                                  </WagonOperationalData>
                                  <WagonTechData>
                                    <LengthOverBuffers>1974</LengthOverBuffers>
                                    <WagonNumberOfAxes>4</WagonNumberOfAxes>
                                    <HandBrakeBrakedWeight>1111</HandBrakeBrake
dWeight>
                                      <WagonWeightEmpty>99999</WagonWeightEmpty>
                                        </WagonTechData>
                                      </WagonData>
                                      </TrainCompositionJourneySection>
                                    </TrainCompositionMessage>
                            </WagonData>
                          </WagonData>
                        <WagonWeightEmpty>99999</WagonWeightEmpty>
                          </WagonTechData>
                        </WagonData>
                      </WagonData>
                    </WagonOperationalData>
                  </WagonOperationalData>
                </WagonOperationalData>
              </WagonOperationalData>
            </WagonOperationalData>
          </WagonOperationalData>
        </WagonOperationalData>
      </WagonOperationalData>
    </WagonOperationalData>
  </WagonOperationalData>
</WagonData>
</WagonData>

```

```

</WagonData>
</WagonData>
  <WagonNumberFreight>11111111111</WagonNumb
erFreight>
  <WagonTrainPosition>10</WagonTrainPosition>
    <WagonOperationalData>
      <BrakeType>1</BrakeType>
      <TotalLoadWeight>1111</TotalLoadWeight>
        </WagonOperationalData>
        <WagonTechData>
          <LengthOverBuffers>1974</LengthOverBuffers>
          <WagonNumberOfAxes>4</WagonNumberOfAxes>
          <HandBrakeBrakedWeight>1111</HandBrakeBrake
dWeight>
            <WagonWeightEmpty>99999</WagonWeightEmpty>
              </WagonTechData>
            </WagonData>
            <WagonData>
              <WagonNumberFreight>11111111111</WagonNumb
erFreight>
              <WagonTrainPosition>11</WagonTrainPosition>
                <WagonOperationalData>
                  <BrakeType>1</BrakeType>
                  <TotalLoadWeight>1111</TotalLoadWeight>
                    </WagonOperationalData>
                    <WagonTechData>
                      <LengthOverBuffers>1974</LengthOverBuffers>
                      <WagonNumberOfAxes>4</WagonNumberOfAxes>
                      <HandBrakeBrakedWeight>1111</HandBrakeBrake
dWeight>
                        <WagonWeightEmpty>99999</WagonWeightEmpty>
                          </WagonTechData>
                        </WagonData>
                        </TrainCompositionJourneySection>
                      </TrainCompositionMessage>
              </WagonData>
            </WagonData>
          </WagonOperationalData>
        </WagonOperationalData>
      </WagonOperationalData>
    </WagonOperationalData>
  </WagonOperationalData>
</WagonData>
</WagonData>

```

**Annex – Train Ready Message**

```

<?xml version="1.0" encoding="utf-8"?>
<TrainReadyMessage
xmlns="http://www.era.europa.eu/schemes/TAFTSI/3.0"
xmlns:ns="http://www.era.europa.eu/schemes/TAFTSI/3.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/3.0 file:///C:/.../taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>

    <MessageType>3006</MessageType>

    <MessageTypeVersion>3.0.2.0</MessageTypeVersion>

    <MessageIdentifier>kw5glq9q-xd62-929z-mf03-023ae0921j7r</MessageIdentifier>
    <MessageDateTime>2005-12-27T02:11:00.26</MessageDateTime>
    </MessageReference>
    <Sender>2287</Sender>
    <Recipient>9876</Recipient>
  </MessageHeader>
  <MessageStatus>1</MessageStatus>
  <OperationalTrainNumberIdentifier>

  <OperationalTrainNumber>11111</OperationalTrainNumber>
  </OperationalTrainNumberIdentifier>
  <ResponsibleRU>9876</ResponsibleRU>
  <TrainLocation>

```

```

    <CountryCodeISO>MT</CountryCodeISO>

    <LocationPrimaryCode>12345</LocationPrimaryCode>
    <PrimaryLocationName>City
  </PrimaryLocationName>
    <LocationSubsidiaryIdentification>
      <LocationSubsidiaryCode
p5:LocationSubsidiaryTypeCode="42"
xmlns:p5="http://www.era.europa.eu/schemes/TAFTSI/3.0">string</LocationSubsidiaryCode>

      <AllocationCompany>2287</AllocationCompany>
    </LocationSubsidiaryIdentification>
  </TrainLocation>
  <TrainReadyStatus>
    <TrainReady>1</TrainReady>
    <TrainDelay>
      <AgainstBooked>-0115</AgainstBooked>
    </TrainDelay>
    <DelayCause>61</DelayCause>
  </TrainReadyStatus>
  <TrainStartTime>2023-02-06T20:55:00.00</TrainStartTime>
  <TrainReadyTime>2023-02-06T20:40:00.00</TrainReadyTime>
</TrainReadyMessage>

```

**Annex – Train Running Forecast Message**

```
<?xml version="1.0" encoding="UTF-8"?>
<TrainRunningForecastMessage
xmlns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:ns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.5 file:///C:/.../taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>

    <MessageType>4004</MessageType>

    <MessageTypeVersion>2.5.0.0</MessageTypeVersion>

    <MessageIdentifier>299dde1a-d489-4fb6-88c9-652400091a3a</MessageIdentifier>
      <MessageDateTime>2023-02-06T22:30:03.281Z</MessageDateTime>
    </MessageReference>

    <SenderReference>XXXX</SenderReference>
    <Sender>
ns:CI_InstanceNumber="01">2287</Sender>
    <Recipient>
```

```
ns:CI_InstanceNumber="21">9999</Recipient>
  </MessageHeader>
  <MessageStatus>1</MessageStatus>
  <OperationalTrainNumberIdentifier>

  <OperationalTrainNumber>1111</OperationalTrainNumber>
  </OperationalTrainNumberIdentifier>
  <TrainLocationReport>
    <Location>

    <CountryCodeISO>MT</CountryCodeISO>

    <LocationPrimaryCode>12345</LocationPrimaryCode>
    </Location>
    <LocationDateTime>2022-02-07T07:38:00+00:00</LocationDateTime>

    <TrainLocationStatus>04</TrainLocationStatus>
  </TrainLocationReport>
</TrainRunningForecastMessage>
```

**Annex – Train Running Information Message**

```

<?xml version="1.0" encoding="UTF-8"?>
<TrainRunningInformationMessage
xmlns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:ns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.5 file:///C:/.../taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>

  <MessageType>4005</MessageType>

  <MessageTypeVersion>2.5.0.0</MessageTypeVersion>

  <MessageIdentifier>66b90f24-fe55-43ad-9dfd-6b705ec5fe4b</MessageIdentifier>
    <MessageDateTime>2023-02-06T17:46:26.442Z</MessageDateTime>
    </MessageReference>

  <SenderReference>XXXX</SenderReference>
    <Sender
ns:CI_InstanceNumber="01">2287</Sender>
    <Recipient>9876</Recipient>
  </MessageHeader>
  <MessageStatus>1</MessageStatus>
  <TrainOperationalIdentification>
    <TransportOperationalIdentifiers>

  <ObjectType>TR</ObjectType>
    <Company>6543</Company>
    <Core>-----12345</Core>
    <Variant>00</Variant>

  <TimetableYear>2023</TimetableYear>
    <StartDate>2023-02-06</StartDate>
    </TransportOperationalIdentifiers>

  <RelatedTransportOperationalIdentifiers>

  <ObjectType>TR</ObjectType>
    <Company>6543</Company>
    <Core>-----12345</Core>
    <Variant>00</Variant>

  <TimetableYear>2023</TimetableYear>
    <StartDate>2023-02-06</StartDate>

  </RelatedTransportOperationalIdentifiers>

```

```

</TrainOperationalIdentification>
<OperationalTrainNumberIdentifier>

  <OperationalTrainNumber>11111</OperationalTrainNumber>
    <ScheduledTimeAtHandover>2023-02-06T15:49:00+00:00</ScheduledTimeAtHandover>
    <ScheduledDateTimeAtTransfer>2023-02-06T22:17:00+00:00</ScheduledDateTimeAtTransfer>
  </OperationalTrainNumberIdentifier>
  <ReferenceOTN>
    <OperationalTrainNumberIdentifier>

  <OperationalTrainNumber>11111</OperationalTrainNumber>
    <ScheduledTimeAtHandover>2023-02-06T15:49:00+00:00</ScheduledTimeAtHandover>
    <ScheduledDateTimeAtTransfer>2023-02-06T22:17:00+00:00</ScheduledDateTimeAtTransfer>
  </OperationalTrainNumberIdentifier>
  </ReferenceOTN>
  <ResponsibleRU>9876</ResponsibleRU>
  <TrainLocationReport>
    <Location>

  <CountryCodeISO>MT</CountryCodeISO>

  <LocationPrimaryCode>12345</LocationPrimaryCode>
    <PrimaryLocationName>City
A</PrimaryLocationName>
    </Location>
    <LocationDateTime>2023-02-06T17:46:00+00:00</LocationDateTime>

  <TrainLocationStatus>01</TrainLocationStatus>
    <BookedLocationDateTime>2023-02-06T15:49:00+00:00</BookedLocationDateTime>
    <TrainDelay>

  <AgainstBooked>+0117</AgainstBooked>
    </TrainDelay>
  </TrainLocationReport>
  <TransfereeIM>9876</TransfereeIM>
</TrainRunningInformationMessage>

```

**Annex – Train Delay Cause Message**

```

<?xml version="1.0" encoding="UTF-8"?>
<TrainDelayCauseMessage
xmlns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:ns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.5 file:///C:/.../taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>

  <MessageType>4001</MessageType>

  <MessageTypeVersion>2.5.0.0</MessageTypeVersion>

  <MessageIdentifier>b9cbbf7-0226-4873-88c2-980bb6f8b989</MessageIdentifier>
    <MessageDateTime>2023-11-12T10:54:11+01:00</MessageDateTime>
    </MessageReference>

  <SenderReference>XXXX</SenderReference>
    <Sender>
ns:CI_InstanceNumber="01">2287</Sender>
    <Recipient>9876</Recipient>
  </MessageHeader>
  <MessageStatus>1</MessageStatus>
  <TrainOperationalIdentification>
    <TransportOperationalIdentifiers>

  <ObjectType>TR</ObjectType>
    <Company>6543</Company>
    <Core>-----12345</Core>
    <Variant>00</Variant>

  <TimetableYear>2023</TimetableYear>

```

```

    <StartDate>2023-02-06</StartDate>
    </TransportOperationalIdentifiers>
  </TrainOperationalIdentification>
  <OperationalTrainNumberIdentifier>

    <OperationalTrainNumber>11111</OperationalTrainNumber>
    <ScheduledTimeAtHandover>2023-02-07T08:32:44.93</ScheduledTimeAtHandover>
    <ScheduledDateTimeAtTransfer>2023-02-07T08:32:44.93</ScheduledDateTimeAtTransfer>
  </OperationalTrainNumberIdentifier>
  <DelayEventReport>
    <DelayLocation>

  <CountryCodeISO>MT</CountryCodeISO>
  <LocationPrimaryCode>12345</LocationPrimaryCode>
  </DelayLocation>

  <TrainLocationStatus>03</TrainLocationStatus>
  <DelayCauseTime>

  <DelayCause>58</DelayCause>

  <DelayMinutes>54</DelayMinutes>
    <DelayEventDateTime>2023-02-06T20:55:44.93</DelayEventDateTime>
  </DelayCauseTime>
  </DelayEventReport>
</TrainDelayCauseMessage>

```

**Annex – Train Running Interruption Message**

```

<?xml version="1.0" encoding="UTF-8"?>
<TrainRunningInterruptionMessage
  xmlns="http://www.era.europa.eu/schemes/TAFTSI/3.0"
  xmlns:ns="http://www.era.europa.eu/schemes/TAFTSI/3.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/3.0 file:///C:/.../taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>

    <MessageType>4006</MessageType>
    <MessageTypeVersion>3.0.2.0</MessageTypeVersion>

    <MessageIdentifier>ff4afa8f-fd71-439f-bf13-015ae0023a7c</MessageIdentifier>
    <MessageDateTime>2023-12-28T14:51:14+01:00</MessageDateTime>
    </MessageReference>
    <Sender>2287</Sender>
    <Recipient>9876</Recipient>
  </MessageHeader>
  <MessageStatus>1</MessageStatus>
  <OperationalTrainNumberIdentifier>

    <OperationalTrainNumber>1111</OperationalTrainNumber>
    <ScheduledTimeAtHandover>2023-02-06T05:42:00+02:00</ScheduledTimeAtHandover>
    <ScheduledDateTimeAtTransfer>2023-02-06T05:42:00+02:00</ScheduledDateTimeAtTransfer>
    </OperationalTrainNumberIdentifier>
    <ReferenceOTN>
      <OperationalTrainNumberIdentifier>

      <OperationalTrainNumber>1111</OperationalTrainNumber>

      <ScheduledTimeAtHandover>2023-02-06T05:42:00+02:00</ScheduledTimeAtHandover>

      <ScheduledDateTimeAtTransfer>2023-02-06T05:42:00+02:00</ScheduledDateTimeAtTransfer>

    </OperationalTrainNumberIdentifier>
    </ReferenceOTN>
    <ResponsibleRU>9876</ResponsibleRU>

```

```

<InterruptionPoint>
  <Location>

  <CountryCodeISO>MT</CountryCodeISO>

  <LocationPrimaryCode>12345</LocationPrimaryCode>
  <PrimaryLocationName>City
  </PrimaryLocationName>
  </Location>
  <Interruption>

  <InterruptionReason>95</InterruptionReason>

  <InterruptionDateTime>2023-12-28T14:51:14+01:00</InterruptionDateTime>

  <InterruptionDescription>Interruzione programmata</InterruptionDescription>

  <InternalReferenceIdentifier>793800</InternalReferenceIdentifier>
  </Interruption>
  </InterruptionPoint>
  <TrainNotAtInterruptionPoint>1</TrainNotAtInterruptionPoint>
  <TransferPoint>

  <CountryCodeISO>MT</CountryCodeISO>

  <LocationPrimaryCode>12345</LocationPrimaryCode>
  <PrimaryLocationName>City
  </PrimaryLocationName>
  <LocationSubsidiaryIdentification>
    <LocationSubsidiaryCode
      p5:LocationSubsidiaryTypeCode="42"
      xml:Recipientns:p5="http://www.era.europa.eu/schemes/TAFTSI/3.0">
    </LocationSubsidiaryCode>

  <AllocationCompany>9999</AllocationCompany>

  </LocationSubsidiaryIdentification>
  </TransferPoint>
  <TransfereeIM>9876</TransfereeIM>
</TrainRunningInterruptionMessage>

```

**Annex – Wagon ETI ETA Message**

```

<WagonETI_ETA_Message
xmlns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:ns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.5 file:///C:/.../taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>

    <MessageType>5006</MessageType>

    <MessageTypeVersion>2.5.0.0</MessageTypeVersion>

    <MessageIdentifier>9517f25b-a38c-4b80-9f66-622dbfca273f</MessageIdentifier>
      <MessageDateTime>2023-03-28T08:55:15.063Z</MessageDateTime>
      </MessageReference>
      <Sender
ns:CI_InstanceNumber="01">2287</Sender>
      <Recipient>9876</Recipient>
    </MessageHeader>
    <RelatedReference>
      <RelatedType>5006</RelatedType>

    <RelatedIdentifier>WagonETI_ETA_Message</RelatedIdentifier>
      <RelatedMessageDateTime>2023-03-28T08:55:43.298Z</RelatedMessageDateTime>
    </RelatedReference>
  </WagonInformation>

```

```

    <WagonNumberFreight>11111111111</WagonNumberFreight>
      <LoadingStatus>1</LoadingStatus>
    </WagonInformation>
    <ArrivalInterchangeReport>
      <Source>Estimated time of arrival</Source>
      <Location>

      <CountryCodeISO>MT</CountryCodeISO>

      <LocationPrimaryCode>12345</LocationPrimaryCode>
      </Location>
      <ArrivalTimeAtLocation>2023-03-28T21:43:00.000Z</ArrivalTimeAtLocation>
      <TrainID>

      <ObjectType>TR</ObjectType>
      <Company>6543</Company>
      <Core>-----12345</Core>
      <Variant>00</Variant>

      <TimetableYear>2023</TimetableYear>
      <StartDate>2023-03-28</StartDate>
      </TrainID>
    </ArrivalInterchangeReport>
  </WagonETI_ETA_Message>

```

**Annex – Wagon Release Notice Message**

```

<WagonReleaseNoticeMessage
xmlns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:ns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.5 file:///C:/.../taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>

    <MessageType>5014</MessageType>

    <MessageTypeVersion>2.5.0.0</MessageTypeVersion>

    <MessageIdentifier>9517f25b-a38c-4b80-9f66-633dbfca273f</MessageIdentifier>
    <MessageDateTime>2023-03-28T09:56:14.348Z</MessageDateTime>
    </MessageReference>
  </Sender>

```

```

ns:CI_InstanceNumber="01">2287</Sender>
  <Recipient>9876</Recipient>
</MessageHeader>
<WagonInformation>
  <WagonNumberFreight>1111111111</WagonNumberFreight>
  <LoadingStatus>1</LoadingStatus>
</WagonInformation>
<WagonPickupAtOrigin>
  <Location>

  <CountryCodeISO>MT</CountryCodeISO>

  <LocationPrimaryCode>12345</LocationPrimaryCode>
  </Location>
  <DepartureTimeAtLocation>2023-03-28T21:27:00.000Z</DepartureTimeAtLocation>
  </WagonPickupAtOrigin>
</WagonReleaseNoticeMessage>

```



**Annex – Wagon Departure Notice Message**

```

<WagonDepartureNoticeMessage
xmlns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:ns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.5 file:///C:/.../taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>

    <MessageType>5004</MessageType>

    <MessageTypeVersion>2.5.0.0</MessageTypeVersion>

    <MessageIdentifier>9517f25b-a66c-4b80-9f66-622dbfca273f</MessageIdentifier>
    <MessageDateTime>2023-03-28T10:51:24.017Z</MessageDateTime>
    </MessageReference>
    <Sender
ns:CI_InstanceNumber="01">2287</Sender>
    <Recipient>9876</Recipient>
  </MessageHeader>
  <RelatedReference>

```

```

    <RelatedType>5004</RelatedType>
    <RelatedIdentifier>WagonDepartureNoticeMessage</RelatedIdentifier>
    <RelatedMessageDateTime>2023-03-28T10:51:06.651Z</RelatedMessageDateTime>
  </RelatedReference>
  <WagonInformation>
    <WagonNumberFreight>111111111111</WagonNumberFreight>
    <LoadingStatus>1</LoadingStatus>
  </WagonInformation>
  <WagonAtDeparture>
    <Location>
      <CountryCodeISO>MT</CountryCodeISO>
      <LocationPrimaryCode>12345</LocationPrimaryCode>
    </Location>
    <DepartureTimeAtLocation>2023-03-28T21:27:00.000Z</DepartureTimeAtLocation>
  </WagonAtDeparture>
</WagonDepartureNoticeMessage>

```

**Annex – Wagon Yard Arrival Message**

```

<WagonYardArrivalMessage
xmlns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:ns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.5 file:///C:/.../taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>

    <MessageType>5015</MessageType>

    <MessageTypeVersion>2.5.0.0</MessageTypeVersion>

    <MessageIdentifier>9517d22b-a47c-4b80-9f66-622dbfca273f</MessageIdentifier>
      <MessageDateTime>2023-03-28T10:28:07.065Z</MessageDateTime>
    </MessageReference>

```

```

    <Sender
ns:CI_InstanceNumber="01">2287</Sender>
      <Recipient>9876</Recipient>
    </MessageHeader>
    <WagonNumberFreight>1111111111</WagonNumberFreight>
    <YardArrival>
      <Location>

      <CountryCodeISO>MT</CountryCodeISO>

      <LocationPrimaryCode>12345</LocationPrimaryCode>
    </Location>
    <ArrivalTimeAtLocationActual>2023-03-28T21:43:00.000Z</ArrivalTimeAtLocationActual>
    </YardArrival>
  </WagonYardArrivalMessage>

```

**Annex – Wagon Yard Departure Message**

```

<WagonYardDepartureMessage
xmlns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:ns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.5 file:///C:/.../taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>

      <MessageType>5016</MessageType>

      <MessageTypeVersion>2.5.0.0</MessageTypeVersion>

      <MessageIdentifier>9517f25b-x38c-4b80-9f66-632dbfca873f</MessageIdentifier>
        <MessageDateTime>2023-03-28T10:25:56.434Z</MessageDateTime>
      </MessageReference>

```

```

    <Sender
ns:CI_InstanceNumber="01">2287</Sender>
      <Recipient>9876</Recipient>
    </MessageHeader>
    <WagonNumberFreight>1111111111</WagonNumberFreight>
    <YardDeparture>
      <Location>

        <CountryCodeISO>MT</CountryCodeISO>

        <LocationPrimaryCode>12345</LocationPrimaryCode>
      </Location>
      <DepartureTimeAtLocation>2023-03-28T21:27:00.000Z</DepartureTimeAtLocation>
    </YardDeparture>
  </WagonYardDepartureMessage>

```

**Annex – Wagon Exception Message**

```

<WagonExceptionMessage
xmlns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:ns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.5 file:///C:/.../taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>

    <MessageType>5007</MessageType>

    <MessageTypeVersion>2.5.0.0</MessageTypeVersion>

    <MessageIdentifier>9517f25b-a38c-4b80-9f71-622dbfca273f</MessageIdentifier>
      <MessageDateTime>2023-03-28T10:22:11.097Z</MessageDateTime>
    </MessageReference>
    <Sender
ns:CI_InstanceNumber="01">2287</Sender>
    <Recipient>9876</Recipient>
  </MessageHeader>
  <WagonInformation>

    <WagonNumberFreight>1111111111</WagonNumberFreight>

```

```

    <LoadingStatus>1</LoadingStatus>
  </WagonInformation>
  <WagonExceptionReport>
    <ExceptionPoint>
      <Location>

      <CountryCodeISO>MT</CountryCodeISO>

      <LocationPrimaryCode>12345</LocationPrimaryCode>
    </Location>

    <ResponsibleRU>9876</ResponsibleRU>

    <WagonLocationStatus>07</WagonLocationStatus>

    <ScheduledTimeAtLocation>2023-03-28T21:43:00.000Z</ScheduledTimeAtLocation>

    <ExceptionTimeAtLocation>2023-03-28T23:43:00.000Z</ExceptionTimeAtLocation>
    </ExceptionPoint>
  </WagonExceptionReport>
</WagonExceptionMessage>

```

**Annex – Wagon Arrival Notice Message**

```

<WagonArrivalNoticeMessage
xmlns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:ns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.5 file:///C:/.../taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>

    <MessageType>5002</MessageType>

    <MessageTypeVersion>2.5.0</MessageTypeVersion>

    <MessageIdentifier>9517f35b-a38c-4b80-9f66-622dbfca273f</MessageIdentifier>
    <MessageDateTime>2023-03-28T10:18:47.242Z</MessageDateTime>
    </MessageReference>
    <Sender
ns:CI_InstanceNumber="01">2287</Sender>
    <Recipient

```

```

ns:CI_InstanceNumber="21">9999</Recipient>
  </MessageHeader>
  <WagonInformation>
    <WagonNumberFreight>11111111111</WagonNumberFreight>
    <LoadingStatus>1</LoadingStatus>
  </WagonInformation>
  <ArrivalAtDestination>
    <Destination>
      <CountryCodeISO>MT</CountryCodeISO>
      <LocationPrimaryCode>12345</LocationPrimaryCode>
    </Destination>
    <ArrivalTimeAtDestination>2023-03-28T21:43:00.000Z</ArrivalTimeAtDestination>
  </ArrivalAtDestination>
</WagonArrivalNoticeMessage>

```

**Annex – Wagon Delivery Notice Message**

```

<WagonDeliveryNoticeMessage
xmlns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:ns="http://www.era.europa.eu/schemes/TAFTSI/2.5"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.5 file:///C:/.../taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>

    <MessageType>5003</MessageType>

    <MessageTypeVersion>2.5.0.0</MessageTypeVersion>

    <MessageIdentifier>9517f25b-a38c-4b80-9f66-622dbfca279i</MessageIdentifier>
      <MessageDateTime>2023-03-28T10:14:55.490Z</MessageDateTime>
      </MessageReference>
      <Sender
ns:CI_InstanceNumber="01">2287</Sender>
      <Recipient
ns:CI_InstanceNumber="21">9999</Recipient>
      </MessageHeader>
    <WagonInformation>

      <WagonNumberFreight>1111111111</WagonNumberFreight>
      <LoadingStatus>1</LoadingStatus>
      </WagonInformation>
    <DeliveryAtDestination>
      <Destination>

      <CountryCodeISO>MT</CountryCodeISO>

      <LocationPrimaryCode>12345</LocationPrimaryCode>
      </Destination>
      <DeliveryTimeAtDestination>2023-03-28T21:43:00.000Z</DeliveryTimeAtDestination>
      </DeliveryAtDestination>
    </WagonDeliveryNoticeMessage>

```