EUROPEAN RAILWAY AGENCY - INTEROPERABILITY UNIT		
REFERENCE:	**DOCUMENT TYPE:**	**TAF TSI COMPLIANCE TEST REPORT - HITRAIL**
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DATE: 31/10/2017		

EUROPEAN RAILWAY AGENCY

Table of Contents

1   Scope

This document defines the testing process performed to evaluate the compliance of the messages exchanged between Railway Undertakings (RUs) and Infrastructure Managers (IMs) developed by HITRAIL against the TAF TSI data catalogue. (http://www.era.europa.eu/Document-Register/Pages/Technical-Documents.aspx)

2   System Design

HITRAIL provided ERA in March 2017 with an excel file describing different cases of train paths accompanied with a set of corresponding XML messages enabling ERA to perform this evaluation.

3   Roles

The team of the European Railway Agency in charge of the regulation TAF TSI has performed the tests and has documented the results of the test campaign.

4   Test Cases

This section defines different stages of a train path message.

These test cases will allow proving that the ALTOVA XML Spy 2016 tool will validate the XML messages provided by HITRAIL. The expected test results is that the XML messages are valid (and well formed) vis-à-vis the TAF TSI data catalogue.

The message process according to HitRail's own Path Request tool covers the following steps:

a) Send path request to IM   (7M54_1.xml)
b) Send receipt confirmation   (7M54_2.xml)
c) Send path offer   (7M54_3.xml)
d) Automatically send receipt confirmation (7M54_4.xml)
e) Accept offer   (7M54_5.xml)
f) Send receipt confirmation   (7M54_6.xml)
g) Send path booked   (7M54_7.xml)
h) Automatically send receipt confirmation (7M54_8.xml)
i) Refuse offer   (nfr5.xml)
j) Cancel booked path   (nfc9.xml)
k) Send path not available   (7M54.pna.xml)
l) Send no alternative available   (7M54.nna.xml)

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A) Send Path Request to IM	
C) Send Path Offer	K) Send path not available L) Send no alternative available
E) Accept Offer I) Refuse Offer	
G) Send Path Booked	
J) Cancel Booked Path	

Message by Railways Undertakings

Message by Infrastructure Manager

* Between the message exchanged the RUs and IMs need to send confirming the reception of the different messages.

According to the TAF TSI the message, processing is as follows:

- ➤ Path Request message   (4.2.2.2)
- ➤ Path Details message   (4.2.2.3)
- ➤ Path Confirmed message   (4.2.2.4)
- ➤ Path Details Refused message   (4.2.2.5)
- ➤ Path Cancelled message   (4.2.2.6)
- ➤ Path Not Available message   (4.2.2.7)
- ➤ Receipt Confirmation message   (4.2.2.8)

All above messages have their corresponding message definitions in the TAF TSI data catalogue (see chapter 1 above).

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The correspondence between aforementioned HitRail messages and the TAF ones can be found below in the table:

TAF TSI	HITRAIL
Path Request message	a
Path Details message	c - l
Path Confirmed message	e
Path Details Refused message	i
Path Cancelled message	j
Path Not Available message	k
Receipt Confirmation message	b - d - f - h

5   Results

5.1   Send path request to IM (a)

HitRail's XML message is valid against the TAF TSI data catalogue.

5.2   Send receipt confirmation (b)

HitRail's XML message is valid against the TAF TSI data catalogue.

5.3   Send path offer (c)

HitRail's XML message is valid against the TAF TSI data catalogue.

5.4   Automatically send receipt confirmation (d)

HitRail's XML message is valid against the TAF TSI data catalogue.

5.5   Accept offer (e)

HitRail's XML message is valid against the TAF TSI data catalogue.

5.6   Send receipt confirmation (f)

HitRail's XML message is valid against the TAF TSI data catalogue.

5.7   Send path booked (g)

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HitRail's XML message is valid against the TAF TSI data catalogue.

5.8   Automatically send receipt confirmation (h)

HitRail's XML message is valid against the TAF TSI data catalogue.

5.9   Refuse offer (i)

HitRail's XML message is valid against the TAF TSI data catalogue.

5.10   Cancel booked path (j)

HitRail's XML message is valid against the TAF TSI data catalogue.

5.11 Send path not available (k)

HitRail's XML message is valid against the TAF TSI data catalogue.

5.12 Send no alternative available (l)

HitRail's XML message is valid against the TAF TSI data catalogue.

Test results summary	
Test run on :	15 October 2017
Test result :	passed
Test run by:	cuadrdi
Test validated:	vargami

6   Conclusions

The tests performed by ERA based on agreement with HITRAIL to validate the compliance of the messages exchanged delivered satisfactory results.

The organization HITRAIL may therefore use the results of the assessment performed by ERA as a proof of the compliance of its own Path Request tool against the TAF TSI data catalogue.

Annex – HitRail messages used for compliance testing

1) Send path request to IM (7M54_1.xml)

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<tsi:PathRequestMessage xmlns:tsi="http://www.era.europa.eu/schemes/TAFTSI/2.1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.1
file:///C:/Users/boursch/Desktop/XML%20files/taf_cat_complete_baseline_2.1.xmd.xsd">
        <tsi:MessageHeader>
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                    <tsi:MessageType>2006</tsi:MessageType>
                    <tsi:MessageTypeVersion>2.1</tsi:MessageTypeVersion>
                    <tsi:MessageIdentifier>b7c7047d-b862-42c6-9d58-
506f3c05e5a5</tsi:MessageIdentifier>
                    <tsi:MessageDateTime>2017-02-
20T09:01:06.984+01:00</tsi:MessageDateTime>
            </tsi:MessageReference>
            <tsi:Sender>Company A</tsi:Sender>
            <tsi:Recipient>Company B</tsi:Recipient>
        </tsi:MessageHeader>
        <tsi:AdministrativeContactInformation>
            <tsi:Name>Mr X</tsi:Name>
            <tsi:Address>null null, null</tsi:Address>
            <tsi:eMail>mrx@company.y</tsi:eMail>
        </tsi:AdministrativeContactInformation>
        <tsi:Identifiers>
            <tsi:PlannedTransportIdentifiers>
                    <tsi:ObjectType>TR</tsi:ObjectType>
                    <tsi:Company>1234</tsi:Company>
                    <tsi:Core>-------7M26B</tsi:Core>
                    <tsi:Variant>00</tsi:Variant>
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                    <tsi:Variant>00</tsi:Variant>
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            </tsi:PlannedTransportIdentifiers>
        </tsi:Identifiers>
        <tsi:MessageStatus>1</tsi:MessageStatus>
        <tsi:CoordinatingIM>70</tsi:CoordinatingIM>
        <tsi:LeadRU>2170</tsi:LeadRU>
        <tsi:TypeOfRequest>2</tsi:TypeOfRequest>
        <tsi:TypeOfInformation>5</tsi:TypeOfInformation>
```

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```xml
<tsi:TrainInformation>
      <tsi:PlannedJourneyLocation>
            <tsi:CountryCodeISO>AR</tsi:CountryCodeISO>
            <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
            <tsi:PrimaryLocationName>B Ville</tsi:PrimaryLocationName>
            <tsi:TimingAtLocation>
                  <tsi:Timing TimingQualifierCode="ELD">
                        <tsi:Time>22:00:00.000+01:00</tsi:Time>
                        <tsi:Offset>0</tsi:Offset>
                  </tsi:Timing>
                  <tsi:Timing TimingQualifierCode="ALD">
                        <tsi:Time>22:50:00.000+01:00</tsi:Time>
                        <tsi:Offset>0</tsi:Offset>
                  </tsi:Timing>
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                        <tsi:Offset>0</tsi:Offset>
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            <tsi:ResponsibleIM>99</tsi:ResponsibleIM>
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                                    <tsi:Measure>ft</tsi:Measure>
                              </tsi:Length>
                        </tsi:TractionDetails>
                        <tsi:TrainMaxSpeed>70</tsi:TrainMaxSpeed>
                        <tsi:MaxAxleWeight>21</tsi:MaxAxleWeight>
                        <tsi:RouteClass>D4</tsi:RouteClass>
                        <tsi:BrakeType>G</tsi:BrakeType>
                        <tsi:BrakingRatio>70</tsi:BrakingRatio>
                        <tsi:BrakeWeight>275</tsi:BrakeWeight>
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            </tsi:PlannedTrainData>
            <tsi:OperationalTrainNumber>7M26</tsi:OperationalTrainNumber>
      </tsi:PlannedJourneyLocation>
      <tsi:PlannedJourneyLocation>
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            <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
            <tsi:PrimaryLocationName>G TOWN</tsi:PrimaryLocationName>
            <tsi:TimingAtLocation>
```

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```xml
                <tsi:Timing TimingQualifierCode="ALA">
                        <tsi:Time>01:05:00.000+01:00</tsi:Time>
                        <tsi:Offset>1</tsi:Offset>
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            </tsi:PlannedTrainData>
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        <tsi:PlannedJourneyLocation>
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            <tsi:PrimaryLocationName>E LAKE</tsi:PrimaryLocationName>
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                                </tsi:Length>
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```

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```xml
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                    </tsi:PlannedTrainData>
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                                    <tsi:TrainMaxSpeed>70</tsi:TrainMaxSpeed>
                                    <tsi:MaxAxleWeight>21</tsi:MaxAxleWeight>
                                    <tsi:RouteClass>D4</tsi:RouteClass>
                                    <tsi:BrakeType>G</tsi:BrakeType>
                                    <tsi:BrakingRatio>70</tsi:BrakingRatio>
                                    <tsi:BrakeWeight>275</tsi:BrakeWeight>
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                    </tsi:PlannedTrainData>
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                    <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
                    <tsi:PrimaryLocationName>G TOWN</tsi:PrimaryLocationName>
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                            </tsi:Timing>
```

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```xml
          </tsi:TimingAtLocation>
          <tsi:ResponsibleRU>1234</tsi:ResponsibleRU>
          <tsi:ResponsibleIM>99</tsi:ResponsibleIM>
          <tsi:PlannedTrainData>
                <tsi:TrainType>2</tsi:TrainType>
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                      <tsi:TrainWeight>360</tsi:TrainWeight>
                      <tsi:TrainLength>140</tsi:TrainLength>

      <tsi:WeightOfSetOfCarriages>300</tsi:WeightOfSetOfCarriages>

      <tsi:LengthOfSetOfCarriages>110</tsi:LengthOfSetOfCarriages>
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                                  <tsi:Measure>ft</tsi:Measure>
                            </tsi:Length>
                      </tsi:TractionDetails>
                      <tsi:TrainMaxSpeed>70</tsi:TrainMaxSpeed>
                      <tsi:MaxAxleWeight>21</tsi:MaxAxleWeight>
                      <tsi:RouteClass>D4</tsi:RouteClass>
                      <tsi:BrakeType>G</tsi:BrakeType>
                      <tsi:BrakingRatio>70</tsi:BrakingRatio>
                      <tsi:BrakeWeight>275</tsi:BrakeWeight>
                </tsi:PlannedTrainTechnicalData>
          </tsi:PlannedTrainData>
          <tsi:OperationalTrainNumber>7M25</tsi:OperationalTrainNumber>
      </tsi:PlannedJourneyLocation>
      <tsi:PlannedCalendar>

    <tsi:BitmapDays>1110000000000000000000000000011111100111111111000000000000000000000
0000011111100000000000000000000000000000111111000000000000000000000000000000000011</tsi:Bitm
apDays>
                <tsi:ValidityPeriod>
                      <tsi:StartDateTime>2017-04-
03T00:00:00.000+02:00</tsi:StartDateTime>
                      <tsi:EndDateTime>2017-08-29T00:00:00.000+02:00</tsi:EndDateTime>
                </tsi:ValidityPeriod>
          </tsi:PlannedCalendar>
      </tsi:PathInformation>
</tsi:PathRequestMessage>
```

2) Send receipt confirmation (7M54_2.xml)

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<tsi:ReceiptConfirmationMessage xmlns:tsi="http://www.era.europa.eu/schemes/TAFTSI/2.1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

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```xml
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.1
file:///C:/Users/boursch/Desktop/XML%20files/taf_cat_complete_baseline_2.1.xmd.xsd">
    <tsi:MessageHeader>
        <tsi:MessageReference>
            <tsi:MessageType>2007</tsi:MessageType>
            <tsi:MessageTypeVersion>2.1</tsi:MessageTypeVersion>
            <tsi:MessageIdentifier>f72fd918-895f-4275-8dc2-
5181807f892d</tsi:MessageIdentifier>
            <tsi:MessageDateTime>2017-02-
20T09:37:29.902+01:00</tsi:MessageDateTime>
        </tsi:MessageReference>
        <tsi:Sender>Company A</tsi:Sender>
        <tsi:Recipient> Company B</tsi:Recipient>
    </tsi:MessageHeader>
    <tsi:RelatedReference>
        <tsi:RelatedType>2006</tsi:RelatedType>
        <tsi:RelatedIdentifier>b7c7047d-b862-42c6-9d58-
506f3c05e5a5</tsi:RelatedIdentifier>
        <tsi:RelatedMessageDateTime>2017-02-
20T09:01:06.984+01:00</tsi:RelatedMessageDateTime>
    </tsi:RelatedReference>
</tsi:ReceiptConfirmationMessage>
```

3) Send path offer (7M54_3.xml)

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<tsi:PathDetailsMessage xmlns:tsi="http://www.era.europa.eu/schemes/TAFTSI/2.1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.1
file:///C:/Users/boursch/Desktop/XML%20files/taf_cat_complete_baseline_2.1.xmd.xsd">
    <tsi:MessageHeader>
        <tsi:MessageReference>
            <tsi:MessageType>2003</tsi:MessageType>
            <tsi:MessageTypeVersion>2.1</tsi:MessageTypeVersion>
            <tsi:MessageIdentifier>26503527-111d-472b-b0cb-
56cdbbf5718a</tsi:MessageIdentifier>
            <tsi:MessageDateTime>2017-02-
20T09:39:38.287+01:00</tsi:MessageDateTime>
        </tsi:MessageReference>
        <tsi:SenderReference>path offer</tsi:SenderReference>
        <tsi:Sender> Company A </tsi:Sender>
        <tsi:Recipient> Company B</tsi:Recipient>
    </tsi:MessageHeader>
    <tsi:AdministrativeContactInformation>
        <tsi:Name>Mr X</tsi:Name>
        <tsi:Address> null null, null </tsi:Address>
    </tsi:AdministrativeContactInformation>
    <tsi:Identifiers>
        <tsi:PlannedTransportIdentifiers>
            <tsi:ObjectType>TR</tsi:ObjectType>
            <tsi:Company>1234</tsi:Company>
            <tsi:Core>-------7M26B</tsi:Core>
```

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```xml
                <tsi:Variant>00</tsi:Variant>
                <tsi:TimetableYear>2017</tsi:TimetableYear>
        </tsi:PlannedTransportIdentifiers>
        <tsi:PlannedTransportIdentifiers>
                <tsi:ObjectType>PR</tsi:ObjectType>
                <tsi:Company>1234</tsi:Company>
                <tsi:Core>--------7M54</tsi:Core>
                <tsi:Variant>00</tsi:Variant>
                <tsi:TimetableYear>2017</tsi:TimetableYear>
        </tsi:PlannedTransportIdentifiers>
        <tsi:PlannedTransportIdentifiers>
                <tsi:ObjectType>PA</tsi:ObjectType>
                <tsi:Company>1234</tsi:Company>
                <tsi:Core>--------7M54</tsi:Core>
                <tsi:Variant>00</tsi:Variant>
                <tsi:TimetableYear>2017</tsi:TimetableYear>
        </tsi:PlannedTransportIdentifiers>
</tsi:Identifiers>
<tsi:MessageStatus>1</tsi:MessageStatus>
<tsi:CoordinatingIM>70</tsi:CoordinatingIM>
<tsi:LeadRU>2170</tsi:LeadRU>
<tsi:TypeOfRequest>2</tsi:TypeOfRequest>
<tsi:TypeOfInformation>9</tsi:TypeOfInformation>
<tsi:PathInformation>
        <tsi:PlannedJourneyLocation>
                <tsi:CountryCodeISO>AR</tsi:CountryCodeISO>
                <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
                <tsi:PrimaryLocationName>B Ville</tsi:PrimaryLocationName>
                <tsi:TimingAtLocation>
                        <tsi:Timing TimingQualifierCode="ELD">
                                <tsi:Time>22:00:00.000+01:00</tsi:Time>
                                <tsi:Offset>0</tsi:Offset>
                        </tsi:Timing>
                        <tsi:Timing TimingQualifierCode="ALD">
                                <tsi:Time>22:50:00.000+01:00</tsi:Time>
                                <tsi:Offset>0</tsi:Offset>
                        </tsi:Timing>
                        <tsi:Timing TimingQualifierCode="LLD">
                                <tsi:Time>00:00:00.000+01:00</tsi:Time>
                                <tsi:Offset>0</tsi:Offset>
                        </tsi:Timing>
                </tsi:TimingAtLocation>
                <tsi:ResponsibleRU>1234</tsi:ResponsibleRU>
                <tsi:ResponsibleIM>99</tsi:ResponsibleIM>
                <tsi:PlannedTrainData>
                        <tsi:TrainType>2</tsi:TrainType>
                        <tsi:PlannedTrainTechnicalData>
                                <tsi:TrainWeight>360</tsi:TrainWeight>
                                <tsi:TrainLength>140</tsi:TrainLength>

<tsi:WeightOfSetOfCarriages>300</tsi:WeightOfSetOfCarriages>

<tsi:LengthOfSetOfCarriages>110</tsi:LengthOfSetOfCarriages>
                                <tsi:TractionDetails>
```

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```xml
                    <tsi:LocoTypeNumber>1170660</tsi:LocoTypeNumber>
                    <tsi:TractionMode>11</tsi:TractionMode>
                    <tsi:TractionWeight>90</tsi:TractionWeight>
                    <tsi:Length>
                        <tsi:Value>66</tsi:Value>
                        <tsi:Measure>ft</tsi:Measure>
                    </tsi:Length>
                </tsi:TractionDetails>
                <tsi:TrainMaxSpeed>70</tsi:TrainMaxSpeed>
                <tsi:MaxAxleWeight>21</tsi:MaxAxleWeight>
                <tsi:RouteClass>D4</tsi:RouteClass>
                <tsi:BrakeType>G</tsi:BrakeType>
                <tsi:BrakingRatio>70</tsi:BrakingRatio>
                <tsi:BrakeWeight>275</tsi:BrakeWeight>
            </tsi:PlannedTrainTechnicalData>
        </tsi:PlannedTrainData>
        <tsi:OperationalTrainNumber>7M26</tsi:OperationalTrainNumber>
    </tsi:PlannedJourneyLocation>
    <tsi:PlannedJourneyLocation>
        <tsi:CountryCodeISO>AR</tsi:CountryCodeISO>
        <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
        <tsi:PrimaryLocationName>C TOWN</tsi:PrimaryLocationName>
        <tsi:TimingAtLocation>
            <tsi:Timing TimingQualifierCode="ALD">
                <tsi:Time>23:20:00.000+01:00</tsi:Time>
                <tsi:Offset>0</tsi:Offset>
            </tsi:Timing>
        </tsi:TimingAtLocation>
        <tsi:ResponsibleRU>1234</tsi:ResponsibleRU>
        <tsi:ResponsibleIM>99</tsi:ResponsibleIM>
        <tsi:PlannedTrainData>
            <tsi:TrainType>2</tsi:TrainType>
            <tsi:PlannedTrainTechnicalData>
                <tsi:TrainWeight>360</tsi:TrainWeight>
                <tsi:TrainLength>140</tsi:TrainLength>

<tsi:WeightOfSetOfCarriages>300</tsi:WeightOfSetOfCarriages>

<tsi:LengthOfSetOfCarriages>110</tsi:LengthOfSetOfCarriages>
                <tsi:TractionDetails>
                    <tsi:LocoTypeNumber>1170660</tsi:LocoTypeNumber>
                    <tsi:TractionMode>11</tsi:TractionMode>
                    <tsi:TractionWeight>90</tsi:TractionWeight>
                    <tsi:Length>
                        <tsi:Value>66</tsi:Value>
                        <tsi:Measure>ft</tsi:Measure>
                    </tsi:Length>
                </tsi:TractionDetails>
                <tsi:TrainMaxSpeed>70</tsi:TrainMaxSpeed>
                <tsi:MaxAxleWeight>21</tsi:MaxAxleWeight>
                <tsi:RouteClass>D4</tsi:RouteClass>
                <tsi:BrakeType>G</tsi:BrakeType>
                <tsi:BrakingRatio>70</tsi:BrakingRatio>
                <tsi:BrakeWeight>275</tsi:BrakeWeight>
```

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```xml
            </tsi:PlannedTrainTechnicalData>
        </tsi:PlannedTrainData>
        <tsi:OperationalTrainNumber>7M25</tsi:OperationalTrainNumber>
    </tsi:PlannedJourneyLocation>
    <tsi:PlannedJourneyLocation>
        <tsi:CountryCodeISO>AR</tsi:CountryCodeISO>
        <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
        <tsi:PrimaryLocationName>A CITY</tsi:PrimaryLocationName>
        <tsi:TimingAtLocation>
            <tsi:Timing TimingQualifierCode="ALD">
                <tsi:Time>00:05:00.000+01:00</tsi:Time>
                <tsi:Offset>1</tsi:Offset>
            </tsi:Timing>
        </tsi:TimingAtLocation>
        <tsi:ResponsibleRU>1234</tsi:ResponsibleRU>
        <tsi:ResponsibleIM>99</tsi:ResponsibleIM>
        <tsi:PlannedTrainData>
            <tsi:TrainType>2</tsi:TrainType>
            <tsi:PlannedTrainTechnicalData>
                <tsi:TrainWeight>360</tsi:TrainWeight>
                <tsi:TrainLength>140</tsi:TrainLength>

<tsi:WeightOfSetOfCarriages>300</tsi:WeightOfSetOfCarriages>

<tsi:LengthOfSetOfCarriages>110</tsi:LengthOfSetOfCarriages>
                <tsi:TractionDetails>
                    <tsi:LocoTypeNumber>1170660</tsi:LocoTypeNumber>
                    <tsi:TractionMode>11</tsi:TractionMode>
                    <tsi:TractionWeight>90</tsi:TractionWeight>
                    <tsi:Length>
                        <tsi:Value>66</tsi:Value>
                        <tsi:Measure>ft</tsi:Measure>
                    </tsi:Length>
                </tsi:TractionDetails>
                <tsi:TrainMaxSpeed>70</tsi:TrainMaxSpeed>
                <tsi:MaxAxleWeight>21</tsi:MaxAxleWeight>
                <tsi:RouteClass>D4</tsi:RouteClass>
                <tsi:BrakeType>G</tsi:BrakeType>
                <tsi:BrakingRatio>70</tsi:BrakingRatio>
                <tsi:BrakeWeight>275</tsi:BrakeWeight>
            </tsi:PlannedTrainTechnicalData>
        </tsi:PlannedTrainData>
        <tsi:OperationalTrainNumber>7M25</tsi:OperationalTrainNumber>
    </tsi:PlannedJourneyLocation>
    <tsi:PlannedJourneyLocation>
        <tsi:CountryCodeISO>AR</tsi:CountryCodeISO>
        <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
        <tsi:PrimaryLocationName>E LAKE</tsi:PrimaryLocationName>
        <tsi:TimingAtLocation>
            <tsi:Timing TimingQualifierCode="ALD">
                <tsi:Time>00:20:00.000+01:00</tsi:Time>
                <tsi:Offset>1</tsi:Offset>
            </tsi:Timing>
        </tsi:TimingAtLocation>
```

```xml
<tsi:ResponsibleRU>1234</tsi:ResponsibleRU>
<tsi:ResponsibleIM>99</tsi:ResponsibleIM>
<tsi:PlannedTrainData>
        <tsi:TrainType>2</tsi:TrainType>
        <tsi:PlannedTrainTechnicalData>
                <tsi:TrainWeight>360</tsi:TrainWeight>
                <tsi:TrainLength>140</tsi:TrainLength>

<tsi:WeightOfSetOfCarriages>300</tsi:WeightOfSetOfCarriages>

<tsi:LengthOfSetOfCarriages>110</tsi:LengthOfSetOfCarriages>
                <tsi:TractionDetails>
                        <tsi:LocoTypeNumber>1170660</tsi:LocoTypeNumber>
                        <tsi:TractionMode>11</tsi:TractionMode>
                        <tsi:TractionWeight>90</tsi:TractionWeight>
                        <tsi:Length>
                                <tsi:Value>66</tsi:Value>
                                <tsi:Measure>ft</tsi:Measure>
                        </tsi:Length>
                </tsi:TractionDetails>
                <tsi:TrainMaxSpeed>70</tsi:TrainMaxSpeed>
                <tsi:MaxAxleWeight>21</tsi:MaxAxleWeight>
                <tsi:RouteClass>D4</tsi:RouteClass>
                <tsi:BrakeType>G</tsi:BrakeType>
                <tsi:BrakingRatio>70</tsi:BrakingRatio>
                <tsi:BrakeWeight>275</tsi:BrakeWeight>
        </tsi:PlannedTrainTechnicalData>
    </tsi:PlannedTrainData>
    <tsi:OperationalTrainNumber>7M25</tsi:OperationalTrainNumber>
</tsi:PlannedJourneyLocation>
<tsi:PlannedJourneyLocation>
        <tsi:CountryCodeISO>AR</tsi:CountryCodeISO>
        <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
        <tsi:PrimaryLocationName>F RIVER</tsi:PrimaryLocationName>
        <tsi:TimingAtLocation>
                <tsi:Timing TimingQualifierCode="ALD">
                        <tsi:Time>00:40:00.000+01:00</tsi:Time>
                        <tsi:Offset>1</tsi:Offset>
                </tsi:Timing>
        </tsi:TimingAtLocation>
        <tsi:ResponsibleRU>1234</tsi:ResponsibleRU>
        <tsi:ResponsibleIM>99</tsi:ResponsibleIM>
        <tsi:PlannedTrainData>
                <tsi:TrainType>2</tsi:TrainType>
                <tsi:PlannedTrainTechnicalData>
                        <tsi:TrainWeight>360</tsi:TrainWeight>
                        <tsi:TrainLength>140</tsi:TrainLength>

<tsi:WeightOfSetOfCarriages>300</tsi:WeightOfSetOfCarriages>

<tsi:LengthOfSetOfCarriages>110</tsi:LengthOfSetOfCarriages>
                <tsi:TractionDetails>
                        <tsi:LocoTypeNumber>1170660</tsi:LocoTypeNumber>
                        <tsi:TractionMode>11</tsi:TractionMode>
```

```xml
                              <tsi:TractionWeight>90</tsi:TractionWeight>
                              <tsi:Length>
                                    <tsi:Value>66</tsi:Value>
                                    <tsi:Measure>ft</tsi:Measure>
                              </tsi:Length>
                        </tsi:TractionDetails>
                        <tsi:TrainMaxSpeed>70</tsi:TrainMaxSpeed>
                        <tsi:MaxAxleWeight>21</tsi:MaxAxleWeight>
                        <tsi:RouteClass>D4</tsi:RouteClass>
                        <tsi:BrakeType>G</tsi:BrakeType>
                        <tsi:BrakingRatio>70</tsi:BrakingRatio>
                        <tsi:BrakeWeight>275</tsi:BrakeWeight>
                  </tsi:PlannedTrainTechnicalData>
            </tsi:PlannedTrainData>
            <tsi:OperationalTrainNumber>7M25</tsi:OperationalTrainNumber>
      </tsi:PlannedJourneyLocation>
      <tsi:PlannedJourneyLocation>
            <tsi:CountryCodeISO>AR</tsi:CountryCodeISO>
            <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
            <tsi:PrimaryLocationName>G TOWN</tsi:PrimaryLocationName>
            <tsi:TimingAtLocation>
                  <tsi:Timing TimingQualifierCode="ALA">
                        <tsi:Time>01:05:00.000+01:00</tsi:Time>
                        <tsi:Offset>1</tsi:Offset>
                  </tsi:Timing>
            </tsi:TimingAtLocation>
            <tsi:ResponsibleRU>1234</tsi:ResponsibleRU>
            <tsi:ResponsibleIM>99</tsi:ResponsibleIM>
            <tsi:PlannedTrainData>
                  <tsi:TrainType>2</tsi:TrainType>
                  <tsi:PlannedTrainTechnicalData>
                        <tsi:TrainWeight>360</tsi:TrainWeight>
                        <tsi:TrainLength>140</tsi:TrainLength>

<tsi:WeightOfSetOfCarriages>300</tsi:WeightOfSetOfCarriages>

<tsi:LengthOfSetOfCarriages>110</tsi:LengthOfSetOfCarriages>
                        <tsi:TractionDetails>
                              <tsi:LocoTypeNumber>1170660</tsi:LocoTypeNumber>
                              <tsi:TractionMode>11</tsi:TractionMode>
                              <tsi:TractionWeight>90</tsi:TractionWeight>
                              <tsi:Length>
                                    <tsi:Value>66</tsi:Value>
                                    <tsi:Measure>ft</tsi:Measure>
                              </tsi:Length>
                        </tsi:TractionDetails>
                        <tsi:TrainMaxSpeed>70</tsi:TrainMaxSpeed>
                        <tsi:MaxAxleWeight>21</tsi:MaxAxleWeight>
                        <tsi:RouteClass>D4</tsi:RouteClass>
                        <tsi:BrakeType>G</tsi:BrakeType>
                        <tsi:BrakingRatio>70</tsi:BrakingRatio>
                        <tsi:BrakeWeight>275</tsi:BrakeWeight>
                  </tsi:PlannedTrainTechnicalData>
            </tsi:PlannedTrainData>
```

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```xml
                <tsi:OperationalTrainNumber>7M25</tsi:OperationalTrainNumber>
            </tsi:PlannedJourneyLocation>
            <tsi:PlannedCalendar>

    <tsi:BitmapDays>111000000000000000000000000011111110011111111110000000000000000000000
0000001111110000000000000000000000000011111110000000000000000000000000000000011</tsi:Bitm
apDays>
                <tsi:ValidityPeriod>
                    <tsi:StartDateTime>2017-04-
03T00:00:00.000+02:00</tsi:StartDateTime>
                    <tsi:EndDateTime>2017-08-29T00:00:00.000+02:00</tsi:EndDateTime>
                </tsi:ValidityPeriod>
            </tsi:PlannedCalendar>
        </tsi:PathInformation>
</tsi:PathDetailsMessage>
```

4) Automatically send receipt confirmation (7M54_4.xml)

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<tsi:ReceiptConfirmationMessage xmlns:tsi="http://www.era.europa.eu/schemes/TAFTSI/2.1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.1
file:///C:/Users/boursch/Desktop/XML%20files/taf_cat_complete_baseline_2.1.xmd.xsd">
        <tsi:MessageHeader>
            <tsi:MessageReference>
                <tsi:MessageType>2007</tsi:MessageType>
                <tsi:MessageTypeVersion>2.1</tsi:MessageTypeVersion>
                <tsi:MessageIdentifier>7fcceb04-b9ed-45be-983d-
cd01e0a3f4cb</tsi:MessageIdentifier>
                <tsi:MessageDateTime>2017-02-
20T09:39:42.971+01:00</tsi:MessageDateTime>
            </tsi:MessageReference>
            <tsi:Sender>Company A</tsi:Sender>
            <tsi:Recipient> Company B</tsi:Recipient>
        </tsi:MessageHeader>
        <tsi:Identifiers>
            <tsi:PlannedTransportIdentifiers>
                <tsi:ObjectType>TR</tsi:ObjectType>
                <tsi:Company>1234</tsi:Company>
                <tsi:Core>-------7M26B</tsi:Core>
                <tsi:Variant>00</tsi:Variant>
                <tsi:TimetableYear>2017</tsi:TimetableYear>
            </tsi:PlannedTransportIdentifiers>
            <tsi:PlannedTransportIdentifiers>
                <tsi:ObjectType>PR</tsi:ObjectType>
                <tsi:Company>1234</tsi:Company>
                <tsi:Core>--------7M54</tsi:Core>
                <tsi:Variant>00</tsi:Variant>
                <tsi:TimetableYear>2017</tsi:TimetableYear>
            </tsi:PlannedTransportIdentifiers>
            <tsi:PlannedTransportIdentifiers>
                <tsi:ObjectType>PA</tsi:ObjectType>
```

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```xml
                    <tsi:Company>1234</tsi:Company>
                    <tsi:Core>--------7M54</tsi:Core>
                    <tsi:Variant>00</tsi:Variant>
                    <tsi:TimetableYear>2017</tsi:TimetableYear>
            </tsi:PlannedTransportIdentifiers>
        </tsi:Identifiers>
        <tsi:RelatedReference>
                <tsi:RelatedType>2003</tsi:RelatedType>
                <tsi:RelatedIdentifier>26503527-111d-472b-b0cb-
56cdbbf5718a</tsi:RelatedIdentifier>
                <tsi:RelatedMessageDateTime>2017-02-
20T09:39:38.287+01:00</tsi:RelatedMessageDateTime>
        </tsi:RelatedReference>
</tsi:ReceiptConfirmationMessage>
```

5) Accept offer (7M54_5.xml)

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<tsi:PathConfirmedMessage xmlns:tsi="http://www.era.europa.eu/schemes/TAFTSI/2.1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.1
file:///C:/Users/boursch/Desktop/XML%20files/taf_cat_complete_baseline_2.1.xmd.xsd">
        <tsi:MessageHeader>
            <tsi:MessageReference>
                    <tsi:MessageType>2002</tsi:MessageType>
                    <tsi:MessageTypeVersion>2.1</tsi:MessageTypeVersion>
                    <tsi:MessageIdentifier>e131842d-abc5-4db7-aff7-
8bff79612d69</tsi:MessageIdentifier>
                    <tsi:MessageDateTime>2017-02-
20T09:41:15.141+01:00</tsi:MessageDateTime>
            </tsi:MessageReference>
            <tsi:Sender> Company A </tsi:Sender>
            <tsi:Recipient> Company B</tsi:Recipient>
        </tsi:MessageHeader>
        <tsi:AdministrativeContactInformation>
            <tsi:Name>Mr X</tsi:Name>
            <tsi:Address>null null, null</tsi:Address>
            <tsi:eMail> mrx@company.y </tsi:eMail>
        </tsi:AdministrativeContactInformation>
        <tsi:Identifiers>
            <tsi:PlannedTransportIdentifiers>
                    <tsi:ObjectType>TR</tsi:ObjectType>
                    <tsi:Company>1234</tsi:Company>
                    <tsi:Core>-------7M26B</tsi:Core>
                    <tsi:Variant>00</tsi:Variant>
                    <tsi:TimetableYear>2017</tsi:TimetableYear>
            </tsi:PlannedTransportIdentifiers>
            <tsi:PlannedTransportIdentifiers>
                    <tsi:ObjectType>PR</tsi:ObjectType>
                    <tsi:Company>1234</tsi:Company>
                    <tsi:Core>--------7M54</tsi:Core>
                    <tsi:Variant>00</tsi:Variant>
```

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```xml
            <tsi:TimetableYear>2017</tsi:TimetableYear>
        </tsi:PlannedTransportIdentifiers>
        <tsi:PlannedTransportIdentifiers>
            <tsi:ObjectType>PA</tsi:ObjectType>
            <tsi:Company>1234</tsi:Company>
            <tsi:Core>--------7M54</tsi:Core>
            <tsi:Variant>00</tsi:Variant>
            <tsi:TimetableYear>2017</tsi:TimetableYear>
        </tsi:PlannedTransportIdentifiers>
    </tsi:Identifiers>
    <tsi:MessageStatus>1</tsi:MessageStatus>
    <tsi:TypeOfRequest>2</tsi:TypeOfRequest>
    <tsi:TypeOfInformation>19</tsi:TypeOfInformation>
</tsi:PathConfirmedMessage>
```

6) Send receipt confirmation (7M54_6.xml)

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<tsi:ReceiptConfirmationMessage xmlns:tsi="http://www.era.europa.eu/schemes/TAFTSI/2.1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.1
file:///C:/Users/boursch/Desktop/XML%20files/taf_cat_complete_baseline_2.1.xmd.xsd">
    <tsi:MessageHeader>
        <tsi:MessageReference>
            <tsi:MessageType>2007</tsi:MessageType>
            <tsi:MessageTypeVersion>2.1</tsi:MessageTypeVersion>
            <tsi:MessageIdentifier>b616cee8-d7f0-4dcc-8d07-
af1cf758e525</tsi:MessageIdentifier>
            <tsi:MessageDateTime>2017-02-
20T09:41:45.722+01:00</tsi:MessageDateTime>
        </tsi:MessageReference>
        <tsi:Sender>Company A</tsi:Sender>
        <tsi:Recipient> Company B </tsi:Recipient>
    </tsi:MessageHeader>
    <tsi:RelatedReference>
        <tsi:RelatedType>2002</tsi:RelatedType>
        <tsi:RelatedIdentifier>e131842d-abc5-4db7-aff7-
8bff79612d69</tsi:RelatedIdentifier>
        <tsi:RelatedMessageDateTime>2017-02-
20T09:41:15.141+01:00</tsi:RelatedMessageDateTime>
    </tsi:RelatedReference>
</tsi:ReceiptConfirmationMessage>
```

7) Send path booked (7M54_7.xml)

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<tsi:PathDetailsMessage xmlns:tsi="http://www.era.europa.eu/schemes/TAFTSI/2.1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.1
file:///C:/Users/boursch/Desktop/XML%20files/taf_cat_complete_baseline_2.1.xmd.xsd">
    <tsi:MessageHeader>
```

```xml
            <tsi:MessageReference>
                    <tsi:MessageType>2003</tsi:MessageType>
                    <tsi:MessageTypeVersion>2.1</tsi:MessageTypeVersion>
                    <tsi:MessageIdentifier>2de566dd-7b0f-4dc5-b536-
513b93200ae1</tsi:MessageIdentifier>
                    <tsi:MessageDateTime>2017-02-
20T09:42:14.904+01:00</tsi:MessageDateTime>
            </tsi:MessageReference>
            <tsi:SenderReference>path booked</tsi:SenderReference>
            <tsi:Sender>Company A</tsi:Sender>
            <tsi:Recipient> Company B </tsi:Recipient>
    </tsi:MessageHeader>
    <tsi:AdministrativeContactInformation>
            <tsi:Name>Mr X</tsi:Name>
            <tsi:Address> null null, null </tsi:Address>
    </tsi:AdministrativeContactInformation>
    <tsi:Identifiers>
            <tsi:PlannedTransportIdentifiers>
                    <tsi:ObjectType>TR</tsi:ObjectType>
                    <tsi:Company>1234</tsi:Company>
                    <tsi:Core>-------7M26B</tsi:Core>
                    <tsi:Variant>00</tsi:Variant>
                    <tsi:TimetableYear>2017</tsi:TimetableYear>
            </tsi:PlannedTransportIdentifiers>
            <tsi:PlannedTransportIdentifiers>
                    <tsi:ObjectType>PR</tsi:ObjectType>
                    <tsi:Company>1234</tsi:Company>
                    <tsi:Core>--------7M54</tsi:Core>
                    <tsi:Variant>00</tsi:Variant>
                    <tsi:TimetableYear>2017</tsi:TimetableYear>
            </tsi:PlannedTransportIdentifiers>
            <tsi:PlannedTransportIdentifiers>
                    <tsi:ObjectType>PA</tsi:ObjectType>
                    <tsi:Company>1234</tsi:Company>
                    <tsi:Core>--------7M54</tsi:Core>
                    <tsi:Variant>00</tsi:Variant>
                    <tsi:TimetableYear>2017</tsi:TimetableYear>
            </tsi:PlannedTransportIdentifiers>
    </tsi:Identifiers>
    <tsi:MessageStatus>1</tsi:MessageStatus>
    <tsi:CoordinatingIM>70</tsi:CoordinatingIM>
    <tsi:LeadRU>2170</tsi:LeadRU>
    <tsi:TypeOfRequest>2</tsi:TypeOfRequest>
    <tsi:TypeOfInformation>22</tsi:TypeOfInformation>
    <tsi:PathInformation>
            <tsi:PlannedJourneyLocation>
                    <tsi:CountryCodeISO>AR</tsi:CountryCodeISO>
                    <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
                    <tsi:PrimaryLocationName>B Ville</tsi:PrimaryLocationName>
                    <tsi:TimingAtLocation>
                            <tsi:Timing TimingQualifierCode="ELD">
                                    <tsi:Time>22:00:00.000+01:00</tsi:Time>
                                    <tsi:Offset>0</tsi:Offset>
                            </tsi:Timing>
                    </tsi:TimingAtLocation>
```

```xml
                        <tsi:Timing TimingQualifierCode="ALD">
                                <tsi:Time>22:50:00.000+01:00</tsi:Time>
                                <tsi:Offset>0</tsi:Offset>
                        </tsi:Timing>
                        <tsi:Timing TimingQualifierCode="LLD">
                                <tsi:Time>00:00:00.000+01:00</tsi:Time>
                                <tsi:Offset>0</tsi:Offset>
                        </tsi:Timing>
                </tsi:TimingAtLocation>
                <tsi:ResponsibleRU>1234</tsi:ResponsibleRU>
                <tsi:ResponsibleIM>99</tsi:ResponsibleIM>
                <tsi:PlannedTrainData>
                        <tsi:TrainType>2</tsi:TrainType>
                        <tsi:PlannedTrainTechnicalData>
                                <tsi:TrainWeight>360</tsi:TrainWeight>
                                <tsi:TrainLength>140</tsi:TrainLength>

<tsi:WeightOfSetOfCarriages>300</tsi:WeightOfSetOfCarriages>

<tsi:LengthOfSetOfCarriages>110</tsi:LengthOfSetOfCarriages>
                                <tsi:TractionDetails>
                                        <tsi:LocoTypeNumber>1170660</tsi:LocoTypeNumber>
                                        <tsi:TractionMode>11</tsi:TractionMode>
                                        <tsi:TractionWeight>90</tsi:TractionWeight>
                                        <tsi:Length>
                                                <tsi:Value>66</tsi:Value>
                                                <tsi:Measure>ft</tsi:Measure>
                                        </tsi:Length>
                                </tsi:TractionDetails>
                                <tsi:TrainMaxSpeed>70</tsi:TrainMaxSpeed>
                                <tsi:MaxAxleWeight>21</tsi:MaxAxleWeight>
                                <tsi:RouteClass>D4</tsi:RouteClass>
                                <tsi:BrakeType>G</tsi:BrakeType>
                                <tsi:BrakingRatio>70</tsi:BrakingRatio>
                                <tsi:BrakeWeight>275</tsi:BrakeWeight>
                        </tsi:PlannedTrainTechnicalData>
                </tsi:PlannedTrainData>
                <tsi:OperationalTrainNumber>7M26</tsi:OperationalTrainNumber>
        </tsi:PlannedJourneyLocation>
        <tsi:PlannedJourneyLocation>
                <tsi:CountryCodeISO>AR</tsi:CountryCodeISO>
                <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
                <tsi:PrimaryLocationName>C TOWN</tsi:PrimaryLocationName>
                <tsi:TimingAtLocation>
                        <tsi:Timing TimingQualifierCode="ALD">
                                <tsi:Time>23:20:00.000+01:00</tsi:Time>
                                <tsi:Offset>0</tsi:Offset>
                        </tsi:Timing>
                </tsi:TimingAtLocation>
                <tsi:ResponsibleRU>1234</tsi:ResponsibleRU>
                <tsi:ResponsibleIM>99</tsi:ResponsibleIM>
                <tsi:PlannedTrainData>
                        <tsi:TrainType>2</tsi:TrainType>
                        <tsi:PlannedTrainTechnicalData>
```

```
                        <tsi:TrainWeight>360</tsi:TrainWeight>
                        <tsi:TrainLength>140</tsi:TrainLength>

<tsi:WeightOfSetOfCarriages>300</tsi:WeightOfSetOfCarriages>

<tsi:LengthOfSetOfCarriages>110</tsi:LengthOfSetOfCarriages>
                        <tsi:TractionDetails>
                                <tsi:LocoTypeNumber>1170660</tsi:LocoTypeNumber>
                                <tsi:TractionMode>11</tsi:TractionMode>
                                <tsi:TractionWeight>90</tsi:TractionWeight>
                                <tsi:Length>
                                        <tsi:Value>66</tsi:Value>
                                        <tsi:Measure>ft</tsi:Measure>
                                </tsi:Length>
                        </tsi:TractionDetails>
                        <tsi:TrainMaxSpeed>70</tsi:TrainMaxSpeed>
                        <tsi:MaxAxleWeight>21</tsi:MaxAxleWeight>
                        <tsi:RouteClass>D4</tsi:RouteClass>
                        <tsi:BrakeType>G</tsi:BrakeType>
                        <tsi:BrakingRatio>70</tsi:BrakingRatio>
                        <tsi:BrakeWeight>275</tsi:BrakeWeight>
                </tsi:PlannedTrainTechnicalData>
            </tsi:PlannedTrainData>
            <tsi:OperationalTrainNumber>7M25</tsi:OperationalTrainNumber>
        </tsi:PlannedJourneyLocation>
        <tsi:PlannedJourneyLocation>
                <tsi:CountryCodeISO>AR</tsi:CountryCodeISO>
                <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
                <tsi:PrimaryLocationName>A CITY</tsi:PrimaryLocationName>
                <tsi:TimingAtLocation>
                        <tsi:Timing TimingQualifierCode="ALD">
                                <tsi:Time>00:05:00.000+01:00</tsi:Time>
                                <tsi:Offset>1</tsi:Offset>
                        </tsi:Timing>
                </tsi:TimingAtLocation>
                <tsi:ResponsibleRU>1234</tsi:ResponsibleRU>
                <tsi:ResponsibleIM>99</tsi:ResponsibleIM>
                <tsi:PlannedTrainData>
                        <tsi:TrainType>2</tsi:TrainType>
                        <tsi:PlannedTrainTechnicalData>
                                <tsi:TrainWeight>360</tsi:TrainWeight>
                                <tsi:TrainLength>140</tsi:TrainLength>

<tsi:WeightOfSetOfCarriages>300</tsi:WeightOfSetOfCarriages>

<tsi:LengthOfSetOfCarriages>110</tsi:LengthOfSetOfCarriages>
                        <tsi:TractionDetails>
                                <tsi:LocoTypeNumber>1170660</tsi:LocoTypeNumber>
                                <tsi:TractionMode>11</tsi:TractionMode>
                                <tsi:TractionWeight>90</tsi:TractionWeight>
                                <tsi:Length>
                                        <tsi:Value>66</tsi:Value>
                                        <tsi:Measure>ft</tsi:Measure>
                                </tsi:Length>
```

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```xml
                            </tsi:TractionDetails>
                            <tsi:TrainMaxSpeed>70</tsi:TrainMaxSpeed>
                            <tsi:MaxAxleWeight>21</tsi:MaxAxleWeight>
                            <tsi:RouteClass>D4</tsi:RouteClass>
                            <tsi:BrakeType>G</tsi:BrakeType>
                            <tsi:BrakingRatio>70</tsi:BrakingRatio>
                            <tsi:BrakeWeight>275</tsi:BrakeWeight>
                    </tsi:PlannedTrainTechnicalData>
            </tsi:PlannedTrainData>
            <tsi:OperationalTrainNumber>7M25</tsi:OperationalTrainNumber>
        </tsi:PlannedJourneyLocation>
        <tsi:PlannedJourneyLocation>
            <tsi:CountryCodeISO>AR</tsi:CountryCodeISO>
            <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
            <tsi:PrimaryLocationName>E LAKE</tsi:PrimaryLocationName>
            <tsi:TimingAtLocation>
                    <tsi:Timing TimingQualifierCode="ALD">
                            <tsi:Time>00:20:00.000+01:00</tsi:Time>
                            <tsi:Offset>1</tsi:Offset>
                    </tsi:Timing>
            </tsi:TimingAtLocation>
            <tsi:ResponsibleRU>1234</tsi:ResponsibleRU>
            <tsi:ResponsibleIM>99</tsi:ResponsibleIM>
            <tsi:PlannedTrainData>
                    <tsi:TrainType>2</tsi:TrainType>
                    <tsi:PlannedTrainTechnicalData>
                            <tsi:TrainWeight>360</tsi:TrainWeight>
                            <tsi:TrainLength>140</tsi:TrainLength>

<tsi:WeightOfSetOfCarriages>300</tsi:WeightOfSetOfCarriages>

<tsi:LengthOfSetOfCarriages>110</tsi:LengthOfSetOfCarriages>
                            <tsi:TractionDetails>
                                    <tsi:LocoTypeNumber>1170660</tsi:LocoTypeNumber>
                                    <tsi:TractionMode>11</tsi:TractionMode>
                                    <tsi:TractionWeight>90</tsi:TractionWeight>
                                    <tsi:Length>
                                            <tsi:Value>66</tsi:Value>
                                            <tsi:Measure>ft</tsi:Measure>
                                    </tsi:Length>
                            </tsi:TractionDetails>
                            <tsi:TrainMaxSpeed>70</tsi:TrainMaxSpeed>
                            <tsi:MaxAxleWeight>21</tsi:MaxAxleWeight>
                            <tsi:RouteClass>D4</tsi:RouteClass>
                            <tsi:BrakeType>G</tsi:BrakeType>
                            <tsi:BrakingRatio>70</tsi:BrakingRatio>
                            <tsi:BrakeWeight>275</tsi:BrakeWeight>
                    </tsi:PlannedTrainTechnicalData>
            </tsi:PlannedTrainData>
            <tsi:OperationalTrainNumber>7M25</tsi:OperationalTrainNumber>
        </tsi:PlannedJourneyLocation>
        <tsi:PlannedJourneyLocation>
            <tsi:CountryCodeISO>AR</tsi:CountryCodeISO>
            <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
```

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```xml
<tsi:PrimaryLocationName>F RIVER</tsi:PrimaryLocationName>
<tsi:TimingAtLocation>
        <tsi:Timing TimingQualifierCode="ALD">
                <tsi:Time>00:40:00.000+01:00</tsi:Time>
                <tsi:Offset>1</tsi:Offset>
        </tsi:Timing>
</tsi:TimingAtLocation>
<tsi:ResponsibleRU>1234</tsi:ResponsibleRU>
<tsi:ResponsibleIM>1234</tsi:ResponsibleIM>
<tsi:PlannedTrainData>
        <tsi:TrainType>2</tsi:TrainType>
        <tsi:PlannedTrainTechnicalData>
                <tsi:TrainWeight>360</tsi:TrainWeight>
                <tsi:TrainLength>140</tsi:TrainLength>

<tsi:WeightOfSetOfCarriages>300</tsi:WeightOfSetOfCarriages>

<tsi:LengthOfSetOfCarriages>110</tsi:LengthOfSetOfCarriages>
                <tsi:TractionDetails>
                        <tsi:LocoTypeNumber>1170660</tsi:LocoTypeNumber>
                        <tsi:TractionMode>11</tsi:TractionMode>
                        <tsi:TractionWeight>90</tsi:TractionWeight>
                        <tsi:Length>
                                <tsi:Value>66</tsi:Value>
                                <tsi:Measure>ft</tsi:Measure>
                        </tsi:Length>
                </tsi:TractionDetails>
                <tsi:TrainMaxSpeed>70</tsi:TrainMaxSpeed>
                <tsi:MaxAxleWeight>21</tsi:MaxAxleWeight>
                <tsi:RouteClass>D4</tsi:RouteClass>
                <tsi:BrakeType>G</tsi:BrakeType>
                <tsi:BrakingRatio>70</tsi:BrakingRatio>
                <tsi:BrakeWeight>275</tsi:BrakeWeight>
        </tsi:PlannedTrainTechnicalData>
</tsi:PlannedTrainData>
<tsi:OperationalTrainNumber>7M25</tsi:OperationalTrainNumber>
</tsi:PlannedJourneyLocation>
<tsi:PlannedJourneyLocation>
<tsi:CountryCodeISO>AR</tsi:CountryCodeISO>
<tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
<tsi:PrimaryLocationName>G TOWN</tsi:PrimaryLocationName>
<tsi:TimingAtLocation>
        <tsi:Timing TimingQualifierCode="ALA">
                <tsi:Time>01:05:00.000+01:00</tsi:Time>
                <tsi:Offset>1</tsi:Offset>
        </tsi:Timing>
</tsi:TimingAtLocation>
<tsi:ResponsibleRU>1234</tsi:ResponsibleRU>
<tsi:ResponsibleIM>99</tsi:ResponsibleIM>
<tsi:PlannedTrainData>
        <tsi:TrainType>2</tsi:TrainType>
        <tsi:PlannedTrainTechnicalData>
                <tsi:TrainWeight>360</tsi:TrainWeight>
                <tsi:TrainLength>140</tsi:TrainLength>
```

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```xml
<tsi:WeightOfSetOfCarriages>300</tsi:WeightOfSetOfCarriages>

<tsi:LengthOfSetOfCarriages>110</tsi:LengthOfSetOfCarriages>
                            <tsi:TractionDetails>
                                    <tsi:LocoTypeNumber>1170660</tsi:LocoTypeNumber>
                                    <tsi:TractionMode>11</tsi:TractionMode>
                                    <tsi:TractionWeight>90</tsi:TractionWeight>
                                    <tsi:Length>
                                            <tsi:Value>66</tsi:Value>
                                            <tsi:Measure>ft</tsi:Measure>
                                    </tsi:Length>
                            </tsi:TractionDetails>
                            <tsi:TrainMaxSpeed>70</tsi:TrainMaxSpeed>
                            <tsi:MaxAxleWeight>21</tsi:MaxAxleWeight>
                            <tsi:RouteClass>D4</tsi:RouteClass>
                            <tsi:BrakeType>G</tsi:BrakeType>
                            <tsi:BrakingRatio>70</tsi:BrakingRatio>
                            <tsi:BrakeWeight>275</tsi:BrakeWeight>
                    </tsi:PlannedTrainTechnicalData>
            </tsi:PlannedTrainData>
            <tsi:OperationalTrainNumber>7M25</tsi:OperationalTrainNumber>
        </tsi:PlannedJourneyLocation>
        <tsi:PlannedCalendar>

    <tsi:BitmapDays>1110000000000000000000000000111111001111111110000000000000000000000
000001111110000000000000000000000001111110000000000000000000000000000000011</tsi:Bitm
apDays>
                    <tsi:ValidityPeriod>
                        <tsi:StartDateTime>2017-04-
03T00:00:00.000+02:00</tsi:StartDateTime>
                        <tsi:EndDateTime>2017-08-29T00:00:00.000+02:00</tsi:EndDateTime>
                    </tsi:ValidityPeriod>
            </tsi:PlannedCalendar>
        </tsi:PathInformation>
</tsi:PathDetailsMessage>
```

8) Automatically send receipt confirmation (7M54_8.xml)

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<tsi:ReceiptConfirmationMessage xmlns:tsi="http://www.era.europa.eu/schemes/TAFTSI/2.1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.1
file:///C:/Users/boursch/Desktop/XML%20files/taf_cat_complete_baseline_2.1.xmd.xsd">
    <tsi:MessageHeader>
        <tsi:MessageReference>
                <tsi:MessageType>2007</tsi:MessageType>
                <tsi:MessageTypeVersion>2.1</tsi:MessageTypeVersion>
                <tsi:MessageIdentifier>3cab5b53-0d6f-4c42-966e-
8bc7a2cfeaa5</tsi:MessageIdentifier>
                <tsi:MessageDateTime>2017-02-
20T09:42:20.704+01:00</tsi:MessageDateTime>
```

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```xml
                    </tsi:MessageReference>
                    <tsi:Sender>Company A</tsi:Sender>
                    <tsi:Recipient> Company B</tsi:Recipient>
            </tsi:MessageHeader>
            <tsi:Identifiers>
                    <tsi:PlannedTransportIdentifiers>
                            <tsi:ObjectType>TR</tsi:ObjectType>
                            <tsi:Company>1234</tsi:Company>
                            <tsi:Core>-------7M26B</tsi:Core>
                            <tsi:Variant>00</tsi:Variant>
                            <tsi:TimetableYear>2017</tsi:TimetableYear>
                    </tsi:PlannedTransportIdentifiers>
                    <tsi:PlannedTransportIdentifiers>
                            <tsi:ObjectType>PR</tsi:ObjectType>
                            <tsi:Company>1234</tsi:Company>
                            <tsi:Core>--------7M54</tsi:Core>
                            <tsi:Variant>00</tsi:Variant>
                            <tsi:TimetableYear>2017</tsi:TimetableYear>
                    </tsi:PlannedTransportIdentifiers>
                    <tsi:PlannedTransportIdentifiers>
                            <tsi:ObjectType>PA</tsi:ObjectType>
                            <tsi:Company>1234</tsi:Company>
                            <tsi:Core>-------7M54</tsi:Core>
                            <tsi:Variant>00</tsi:Variant>
                            <tsi:TimetableYear>2017</tsi:TimetableYear>
                    </tsi:PlannedTransportIdentifiers>
            </tsi:Identifiers>
            <tsi:RelatedReference>
                    <tsi:RelatedType>2003</tsi:RelatedType>
                    <tsi:RelatedIdentifier>2de566dd-7b0f-4dc5-b536-
513b93200ae1</tsi:RelatedIdentifier>
                    <tsi:RelatedMessageDateTime>2017-02-
20T09:42:14.904+01:00</tsi:RelatedMessageDateTime>
            </tsi:RelatedReference>
</tsi:ReceiptConfirmationMessage>
```

9) Refuse offer (nfr5.xml)

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<tsi:PathDetailsRefusedMessage xmlns:tsi="http://www.era.europa.eu/schemes/TAFTSI/2.1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.1
file:///C:/Users/boursch/Desktop/XML%20files/taf_cat_complete_baseline_2.1.xmd.xsd">
        <tsi:MessageHeader>
                <tsi:MessageReference>
                        <tsi:MessageType>2004</tsi:MessageType>
                        <tsi:MessageTypeVersion>2.1</tsi:MessageTypeVersion>
                        <tsi:MessageIdentifier>17cd3acc-e890-4a4d-9b29-
7a7749f5e485</tsi:MessageIdentifier>
                        <tsi:MessageDateTime>2016-12-
11T16:09:00.481+01:00</tsi:MessageDateTime>
                </tsi:MessageReference>
```

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```xml
        <tsi:Sender>Company A</tsi:Sender>
        <tsi:Recipient> Company B </tsi:Recipient>
    </tsi:MessageHeader>
    <tsi:AdministrativeContactInformation>
        <tsi:Name>Mr x</tsi:Name>
        <tsi:Address> null null, null </tsi:Address>
        <tsi:eMail> mrx@company.y </tsi:eMail>
    </tsi:AdministrativeContactInformation>
    <tsi:Identifiers>
        <tsi:PlannedTransportIdentifiers>
            <tsi:ObjectType>TR</tsi:ObjectType>
            <tsi:Company>1234</tsi:Company>
            <tsi:Core>------75656A</tsi:Core>
            <tsi:Variant>00</tsi:Variant>
            <tsi:TimetableYear>2017</tsi:TimetableYear>
        </tsi:PlannedTransportIdentifiers>
        <tsi:PlannedTransportIdentifiers>
            <tsi:ObjectType>PR</tsi:ObjectType>
            <tsi:Company>1234</tsi:Company>
            <tsi:Core>-------75656</tsi:Core>
            <tsi:Variant>00</tsi:Variant>
            <tsi:TimetableYear>2017</tsi:TimetableYear>
        </tsi:PlannedTransportIdentifiers>
        <tsi:PlannedTransportIdentifiers>
            <tsi:ObjectType>PA</tsi:ObjectType>
            <tsi:Company>1234</tsi:Company>
            <tsi:Core>-------75656</tsi:Core>
            <tsi:Variant>00</tsi:Variant>
            <tsi:TimetableYear>2017</tsi:TimetableYear>
        </tsi:PlannedTransportIdentifiers>
    </tsi:Identifiers>
    <tsi:MessageStatus>1</tsi:MessageStatus>
    <tsi:TypeOfRequest>2</tsi:TypeOfRequest>
    <tsi:TypeOfInformation>20</tsi:TypeOfInformation>
    <tsi:FreeTextField>some RU's text of reason of refusing path
offer</tsi:FreeTextField>
</tsi:PathDetailsRefusedMessage>
```

10) Cancel booked path (nfc9.xml)

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<tsi:PathCanceledMessage xmlns:tsi="http://www.era.europa.eu/schemes/TAFTSI/2.1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/2.1
file:///C:/Users/boursch/Desktop/XML%20files/taf_cat_complete_baseline_2.1.xmd.xsd">
    <tsi:MessageHeader>
        <tsi:MessageReference>
            <tsi:MessageType>2001</tsi:MessageType>
            <tsi:MessageTypeVersion>2.1</tsi:MessageTypeVersion>
            <tsi:MessageIdentifier>380eee54-a4b9-46d5-be63-
791661202cd8</tsi:MessageIdentifier>
```

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```xml
                    <tsi:MessageDateTime>2016-12-
11T18:40:14.873+01:00</tsi:MessageDateTime>
            </tsi:MessageReference>
            <tsi:Sender>Company A</tsi:Sender>
            <tsi:Recipient> Company B </tsi:Recipient>
      </tsi:MessageHeader>
      <tsi:AdministrativeContactInformation>
            <tsi:Name>Mr. X</tsi:Name>
            <tsi:Address> null null, null </tsi:Address>
            <tsi:eMail> mrx@company.y </tsi:eMail>
      </tsi:AdministrativeContactInformation>
      <tsi:Identifiers>
            <tsi:PlannedTransportIdentifiers>
                  <tsi:ObjectType>TR</tsi:ObjectType>
                  <tsi:Company>1234</tsi:Company>
                  <tsi:Core>------54312A</tsi:Core>
                  <tsi:Variant>00</tsi:Variant>
                  <tsi:TimetableYear>2017</tsi:TimetableYear>
            </tsi:PlannedTransportIdentifiers>
            <tsi:PlannedTransportIdentifiers>
                  <tsi:ObjectType>PR</tsi:ObjectType>
                  <tsi:Company>1234</tsi:Company>
                  <tsi:Core>-------54312</tsi:Core>
                  <tsi:Variant>00</tsi:Variant>
                  <tsi:TimetableYear>2017</tsi:TimetableYear>
            </tsi:PlannedTransportIdentifiers>
            <tsi:PlannedTransportIdentifiers>
                  <tsi:ObjectType>PA</tsi:ObjectType>
                  <tsi:Company>1234</tsi:Company>
                  <tsi:Core>-------54312</tsi:Core>
                  <tsi:Variant>00</tsi:Variant>
                  <tsi:TimetableYear>2017</tsi:TimetableYear>
            </tsi:PlannedTransportIdentifiers>
      </tsi:Identifiers>
      <tsi:MessageStatus>1</tsi:MessageStatus>
      <tsi:TypeOfRequest>2</tsi:TypeOfRequest>
      <tsi:AffectedSection>
            <tsi:StartOfSection>
                  <tsi:CountryCodeISO>JP</tsi:CountryCodeISO>
                  <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
                  <tsi:PrimaryLocationName>A Hrad</tsi:PrimaryLocationName>
            </tsi:StartOfSection>
            <tsi:EndOfSection>
                  <tsi:CountryCodeISO>JP</tsi:CountryCodeISO>
                  <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
                  <tsi:PrimaryLocationName>B Ves</tsi:PrimaryLocationName>
            </tsi:EndOfSection>
            <tsi:PlannedCalendar>
                  <tsi:BitmapDays>1</tsi:BitmapDays>
                  <tsi:ValidityPeriod>
                        <tsi:StartDateTime>2017-04-
26T00:00:00.000+02:00</tsi:StartDateTime>
                        <tsi:EndDateTime>2017-04-26T00:00:00.000+02:00</tsi:EndDateTime>
                  </tsi:ValidityPeriod>
```

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```
        </tsi:PlannedCalendar>
    </tsi:AffectedSection>
</tsi:PathCanceledMessage>
```

11) Send path not available (7M54.pna.xml)

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<tsi:PathNotAvailableMessage xmlns:tsi="http://www.era.europa.eu/schemes/TAFTSI/2.1">
    <tsi:MessageHeader>
        <tsi:MessageReference>
            <tsi:MessageType>2005</tsi:MessageType>
            <tsi:MessageTypeVersion>2.1</tsi:MessageTypeVersion>
            <tsi:MessageIdentifier>4e45a226-c497-4d8e-ac18-
1c835c73535e</tsi:MessageIdentifier>
            <tsi:MessageDateTime>2017-08-04T01:09:48.117+02:00</tsi:MessageDateTime>
        </tsi:MessageReference>
        <tsi:SenderReference>path not available</tsi:SenderReference>
        <tsi:Sender> Company A </tsi:Sender>
        <tsi:Recipient>Company B</tsi:Recipient>
    </tsi:MessageHeader>
    <tsi:AdministrativeContactInformation>
        <tsi:Name>Mr. X</tsi:Name>
        <tsi:Address>null null, null</tsi:Address>
    </tsi:AdministrativeContactInformation>
    <tsi:Identifiers>
        <tsi:PlannedTransportIdentifiers>
            <tsi:ObjectType>TR</tsi:ObjectType>
            <tsi:Company>1234</tsi:Company>
            <tsi:Core>-------7M26G</tsi:Core>
            <tsi:Variant>00</tsi:Variant>
            <tsi:TimetableYear>2017</tsi:TimetableYear>
        </tsi:PlannedTransportIdentifiers>
        <tsi:PlannedTransportIdentifiers>
            <tsi:ObjectType>PR</tsi:ObjectType>
            <tsi:Company>1234</tsi:Company>
            <tsi:Core>--------7M54</tsi:Core>
            <tsi:Variant>00</tsi:Variant>
            <tsi:TimetableYear>2017</tsi:TimetableYear>
        </tsi:PlannedTransportIdentifiers>
        <tsi:PlannedTransportIdentifiers>
            <tsi:ObjectType>PA</tsi:ObjectType>
            <tsi:Company>1234</tsi:Company>
            <tsi:Core>--------7M54</tsi:Core>
            <tsi:Variant>00</tsi:Variant>
            <tsi:TimetableYear>2017</tsi:TimetableYear>
        </tsi:PlannedTransportIdentifiers>
    </tsi:Identifiers>
    <tsi:MessageStatus>1</tsi:MessageStatus>
    <tsi:AffectedSection>
        <tsi:StartOfSection>
            <tsi:CountryCodeISO>AR</tsi:CountryCodeISO>
            <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
            <tsi:PrimaryLocationName>A Ville</tsi:PrimaryLocationName>
```

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```xml
        </tsi:StartOfSection>
        <tsi:EndOfSection>
            <tsi:CountryCodeISO>AR</tsi:CountryCodeISO>
            <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
            <tsi:PrimaryLocationName>B Ville</tsi:PrimaryLocationName>
        </tsi:EndOfSection>
        <tsi:PlannedCalendar>
            <tsi:BitmapDays>001111100111110011111001111</tsi:BitmapDays>
            <tsi:ValidityPeriod>
                <tsi:StartDateTime>2017-08-05T00:00:00.000+02:00</tsi:StartDateTime>
                <tsi:EndDateTime>2017-08-31T00:00:00.000+02:00</tsi:EndDateTime>
            </tsi:ValidityPeriod>
        </tsi:PlannedCalendar>
    </tsi:AffectedSection>


    <tsi:InterruptionInformation>
        <tsi:InterruptionDescription>test of PathNotAvailable</tsi:InterruptionDescription>
        <tsi:InterruptionDateTime>2017-08-04T01:09:48.117+02:00</tsi:InterruptionDateTime>
        <tsi:InterruptionReason>10</tsi:InterruptionReason>
    </tsi:InterruptionInformation>
</tsi:PathNotAvailableMessage>
```

12) Send no alternative available (7M54.nna.xml)

```xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<tsi:PathDetailsMessage xmlns:tsi="http://www.era.europa.eu/schemes/TAFTSI/2.1">
    <tsi:MessageHeader>
        <tsi:MessageReference>
            <tsi:MessageType>2003</tsi:MessageType>
            <tsi:MessageTypeVersion>2.1</tsi:MessageTypeVersion>
            <tsi:MessageIdentifier>77ee93bf-02bc-4316-b65d-
93e9241d7c3d</tsi:MessageIdentifier>
            <tsi:MessageDateTime>2017-07-19T23:45:24.209+02:00</tsi:MessageDateTime>
        </tsi:MessageReference>
        <tsi:SenderReference>no alternative available</tsi:SenderReference>
        <tsi:Sender> Company A </tsi:Sender>
        <tsi:Recipient>Company B</tsi:Recipient>
    </tsi:MessageHeader>
    <tsi:AdministrativeContactInformation>
        <tsi:Name>Mr. X</tsi:Name>
        <tsi:Address> mrx@company.y </tsi:Address>
    </tsi:AdministrativeContactInformation>
    <tsi:Identifiers>
        <tsi:PlannedTransportIdentifiers>
            <tsi:ObjectType>TR</tsi:ObjectType>
            <tsi:Company>1234</tsi:Company>
            <tsi:Core>-------7M26E</tsi:Core>
            <tsi:Variant>00</tsi:Variant>
            <tsi:TimetableYear>2017</tsi:TimetableYear>
        </tsi:PlannedTransportIdentifiers>
        <tsi:PlannedTransportIdentifiers>
```

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```xml
            <tsi:ObjectType>PR</tsi:ObjectType>
            <tsi:Company>1234</tsi:Company>
            <tsi:Core>--------7M54</tsi:Core>
            <tsi:Variant>00</tsi:Variant>
            <tsi:TimetableYear>2017</tsi:TimetableYear>
        </tsi:PlannedTransportIdentifiers>
    </tsi:Identifiers>
    <tsi:MessageStatus>1</tsi:MessageStatus>
    <tsi:CoordinatingIM>0070</tsi:CoordinatingIM>
    <tsi:LeadRU>2170</tsi:LeadRU>
    <tsi:TypeOfRequest>2</tsi:TypeOfRequest>
    <tsi:TypeOfInformation>21</tsi:TypeOfInformation>
    <tsi:PathInformation>
        <tsi:PlannedJourneyLocation>
            <tsi:CountryCodeISO>AR</tsi:CountryCodeISO>
            <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
            <tsi:PrimaryLocationName>B Ville</tsi:PrimaryLocationName>
            <tsi:TimingAtLocation>
                <tsi:Timing TimingQualifierCode="ELD">
                    <tsi:Time>22:00:00.000+01:00</tsi:Time>
                    <tsi:Offset>0</tsi:Offset>
                </tsi:Timing>
                <tsi:Timing TimingQualifierCode="ALD">
                    <tsi:Time>22:50:00.000+01:00</tsi:Time>
                    <tsi:Offset>0</tsi:Offset>
                </tsi:Timing>
                <tsi:Timing TimingQualifierCode="LLD">
                    <tsi:Time>00:00:00.000+01:00</tsi:Time>
                    <tsi:Offset>0</tsi:Offset>
                </tsi:Timing>
            </tsi:TimingAtLocation>
            <tsi:ResponsibleRU>1234</tsi:ResponsibleRU>
            <tsi:ResponsibleIM>99</tsi:ResponsibleIM>
            <tsi:PlannedTrainData>
                <tsi:TrainType>2</tsi:TrainType>
                <tsi:PlannedTrainTechnicalData>
                    <tsi:TrainWeight>360</tsi:TrainWeight>
                    <tsi:TrainLength>140</tsi:TrainLength>
                    <tsi:WeightOfSetOfCarriages>300</tsi:WeightOfSetOfCarriages>
                    <tsi:LengthOfSetOfCarriages>110</tsi:LengthOfSetOfCarriages>
                    <tsi:TractionDetails>
                        <tsi:LocoTypeNumber>1170660</tsi:LocoTypeNumber>
                        <tsi:TractionMode>11</tsi:TractionMode>
                        <tsi:TractionWeight>90</tsi:TractionWeight>
                        <tsi:Length>
                            <tsi:Value>66</tsi:Value>
                            <tsi:Measure>ft</tsi:Measure>
                        </tsi:Length>
                    </tsi:TractionDetails>
                    <tsi:TrainMaxSpeed>70</tsi:TrainMaxSpeed>
                    <tsi:MaxAxleWeight>21</tsi:MaxAxleWeight>
                    <tsi:RouteClass>D4</tsi:RouteClass>
                    <tsi:BrakeType>G</tsi:BrakeType>
                    <tsi:BrakingRatio>70</tsi:BrakingRatio>
```

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```xml
                    <tsi:BrakeWeight>275</tsi:BrakeWeight>
                </tsi:PlannedTrainTechnicalData>
            </tsi:PlannedTrainData>
            <tsi:OperationalTrainNumber>7M26</tsi:OperationalTrainNumber>
    </tsi:PlannedJourneyLocation>
    <tsi:PlannedJourneyLocation>
        <tsi:CountryCodeISO>AR</tsi:CountryCodeISO>
        <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
        <tsi:PrimaryLocationName>B Ville</tsi:PrimaryLocationName>
        <tsi:TimingAtLocation>
            <tsi:Timing TimingQualifierCode="ALD">
                <tsi:Time>23:20:00.000+01:00</tsi:Time>
                <tsi:Offset>0</tsi:Offset>
            </tsi:Timing>
        </tsi:TimingAtLocation>
        <tsi:ResponsibleRU>1234</tsi:ResponsibleRU>
        <tsi:ResponsibleIM>99</tsi:ResponsibleIM>
        <tsi:PlannedTrainData>
            <tsi:TrainType>2</tsi:TrainType>
            <tsi:PlannedTrainTechnicalData>
                <tsi:TrainWeight>360</tsi:TrainWeight>
                <tsi:TrainLength>140</tsi:TrainLength>
                <tsi:WeightOfSetOfCarriages>300</tsi:WeightOfSetOfCarriages>
                <tsi:LengthOfSetOfCarriages>110</tsi:LengthOfSetOfCarriages>
                <tsi:TractionDetails>
                    <tsi:LocoTypeNumber>1170660</tsi:LocoTypeNumber>
                    <tsi:TractionMode>11</tsi:TractionMode>
                    <tsi:TractionWeight>90</tsi:TractionWeight>
                    <tsi:Length>
                        <tsi:Value>66</tsi:Value>
                        <tsi:Measure>ft</tsi:Measure>
                    </tsi:Length>
                </tsi:TractionDetails>
                <tsi:TrainMaxSpeed>70</tsi:TrainMaxSpeed>
                <tsi:MaxAxleWeight>21</tsi:MaxAxleWeight>
                <tsi:RouteClass>D4</tsi:RouteClass>
                <tsi:BrakeType>G</tsi:BrakeType>
                <tsi:BrakingRatio>70</tsi:BrakingRatio>
                <tsi:BrakeWeight>275</tsi:BrakeWeight>
            </tsi:PlannedTrainTechnicalData>
        </tsi:PlannedTrainData>
        <tsi:OperationalTrainNumber>7M25</tsi:OperationalTrainNumber>
    </tsi:PlannedJourneyLocation>
    <tsi:PlannedJourneyLocation>
        <tsi:CountryCodeISO>AR</tsi:CountryCodeISO>
        <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
        <tsi:PrimaryLocationName>B Ville</tsi:PrimaryLocationName>
        <tsi:TimingAtLocation>
            <tsi:Timing TimingQualifierCode="ALD">
                <tsi:Time>00:05:00.000+01:00</tsi:Time>
                <tsi:Offset>1</tsi:Offset>
            </tsi:Timing>
        </tsi:TimingAtLocation>
        <tsi:ResponsibleRU>1234</tsi:ResponsibleRU>
```

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```xml
        <tsi:ResponsibleIM>99</tsi:ResponsibleIM>
        <tsi:PlannedTrainData>
            <tsi:TrainType>2</tsi:TrainType>
            <tsi:PlannedTrainTechnicalData>
                <tsi:TrainWeight>360</tsi:TrainWeight>
                <tsi:TrainLength>140</tsi:TrainLength>
                <tsi:WeightOfSetOfCarriages>300</tsi:WeightOfSetOfCarriages>
                <tsi:LengthOfSetOfCarriages>110</tsi:LengthOfSetOfCarriages>
                <tsi:TractionDetails>
                    <tsi:LocoTypeNumber>1170660</tsi:LocoTypeNumber>
                    <tsi:TractionMode>11</tsi:TractionMode>
                    <tsi:TractionWeight>90</tsi:TractionWeight>
                    <tsi:Length>
                        <tsi:Value>66</tsi:Value>
                        <tsi:Measure>ft</tsi:Measure>
                    </tsi:Length>
                </tsi:TractionDetails>
                <tsi:TrainMaxSpeed>70</tsi:TrainMaxSpeed>
                <tsi:MaxAxleWeight>21</tsi:MaxAxleWeight>
                <tsi:RouteClass>D4</tsi:RouteClass>
                <tsi:BrakeType>G</tsi:BrakeType>
                <tsi:BrakingRatio>70</tsi:BrakingRatio>
                <tsi:BrakeWeight>275</tsi:BrakeWeight>
            </tsi:PlannedTrainTechnicalData>
        </tsi:PlannedTrainData>
        <tsi:OperationalTrainNumber>7M25</tsi:OperationalTrainNumber>
    </tsi:PlannedJourneyLocation>
    <tsi:PlannedJourneyLocation>
        <tsi:CountryCodeISO>AR</tsi:CountryCodeISO>
        <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
        <tsi:PrimaryLocationName>B Ville</tsi:PrimaryLocationName>
        <tsi:TimingAtLocation>
            <tsi:Timing TimingQualifierCode="ALD">
                <tsi:Time>00:20:00.000+01:00</tsi:Time>
                <tsi:Offset>1</tsi:Offset>
            </tsi:Timing>
        </tsi:TimingAtLocation>
        <tsi:ResponsibleRU>1234</tsi:ResponsibleRU>
        <tsi:ResponsibleIM>99</tsi:ResponsibleIM>
        <tsi:PlannedTrainData>
            <tsi:TrainType>2</tsi:TrainType>
            <tsi:PlannedTrainTechnicalData>
                <tsi:TrainWeight>360</tsi:TrainWeight>
                <tsi:TrainLength>140</tsi:TrainLength>
                <tsi:WeightOfSetOfCarriages>300</tsi:WeightOfSetOfCarriages>
                <tsi:LengthOfSetOfCarriages>110</tsi:LengthOfSetOfCarriages>
                <tsi:TractionDetails>
                    <tsi:LocoTypeNumber>1170660</tsi:LocoTypeNumber>
                    <tsi:TractionMode>11</tsi:TractionMode>
                    <tsi:TractionWeight>90</tsi:TractionWeight>
                    <tsi:Length>
                        <tsi:Value>66</tsi:Value>
                        <tsi:Measure>ft</tsi:Measure>
                    </tsi:Length>
```

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```xml
        </tsi:TractionDetails>
        <tsi:TrainMaxSpeed>70</tsi:TrainMaxSpeed>
        <tsi:MaxAxleWeight>21</tsi:MaxAxleWeight>
        <tsi:RouteClass>D4</tsi:RouteClass>
        <tsi:BrakeType>G</tsi:BrakeType>
        <tsi:BrakingRatio>70</tsi:BrakingRatio>
        <tsi:BrakeWeight>275</tsi:BrakeWeight>
    </tsi:PlannedTrainTechnicalData>
  </tsi:PlannedTrainData>
  <tsi:OperationalTrainNumber>7M25</tsi:OperationalTrainNumber>
</tsi:PlannedJourneyLocation>
<tsi:PlannedJourneyLocation>
  <tsi:CountryCodeISO>AR</tsi:CountryCodeISO>
  <tsi:LocationPrimaryCode>12345</tsi:LocationPrimaryCode>
  <tsi:PrimaryLocationName>B Ville</tsi:PrimaryLocationName>
  <tsi:TimingAtLocation>
      <tsi:Timing TimingQualifierCode="ALD">
          <tsi:Time>00:40:00.000+01:00</tsi:Time>
          <tsi:Offset>1</tsi:Offset>
      </tsi:Timing>
  </tsi:TimingAtLocation>
  <tsi:ResponsibleRU>134</tsi:ResponsibleRU>
  <tsi:ResponsibleIM>99</tsi:ResponsibleIM>
  <tsi:PlannedTrainData>
      <tsi:TrainType>2</tsi:TrainType>
      <tsi:PlannedTrainTechnicalData>
          <tsi:TrainWeight>360</tsi:TrainWeight>
          <tsi:TrainLength>140</tsi:TrainLength>
          <tsi:WeightOfSetOfCarriages>300</tsi:WeightOfSetOfCarriages>
          <tsi:LengthOfSetOfCarriages>110</tsi:LengthOfSetOfCarriages>
          <tsi:TractionDetails>
              <tsi:LocoTypeNumber>1170660</tsi:LocoTypeNumber>
              <tsi:TractionMode>11</tsi:TractionMode>
              <tsi:TractionWeight>90</tsi:TractionWeight>
              <tsi:Length>
                  <tsi:Value>66</tsi:Value>
                  <tsi:Measure>ft</tsi:Measure>
              </tsi:Length>
          </tsi:TractionDetails>
          <tsi:TrainMaxSpeed>70</tsi:TrainMaxSpeed>
          <tsi:MaxAxleWeight>21</tsi:MaxAxleWeight>
          <tsi:RouteClass>D4</tsi:RouteClass>
          <tsi:BrakeType>G</tsi:BrakeType>
          <tsi:BrakingRatio>70</tsi:BrakingRatio>
          <tsi:BrakeWeight>275</tsi:BrakeWeight>
      </tsi:PlannedTrainTechnicalData>
  </tsi:PlannedTrainData>
  <tsi:OperationalTrainNumber>7M25</tsi:OperationalTrainNumber>
</tsi:PlannedJourneyLocation>
<tsi:PlannedJourneyLocation>
  <tsi:CountryCodeISO>AR</tsi:CountryCodeISO>
  <tsi:LocationPrimaryCode>123454</tsi:LocationPrimaryCode>
  <tsi:PrimaryLocationName>B Ville</tsi:PrimaryLocationName>
  <tsi:TimingAtLocation>
```

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```xml
                    <tsi:Timing TimingQualifierCode="ALA">
                        <tsi:Time>01:05:00.000+01:00</tsi:Time>
                        <tsi:Offset>1</tsi:Offset>
                    </tsi:Timing>
                </tsi:TimingAtLocation>
                <tsi:ResponsibleRU>1234</tsi:ResponsibleRU>
                <tsi:ResponsibleIM>99</tsi:ResponsibleIM>
                <tsi:PlannedTrainData>
                    <tsi:TrainType>2</tsi:TrainType>
                    <tsi:PlannedTrainTechnicalData>
                        <tsi:TrainWeight>360</tsi:TrainWeight>
                        <tsi:TrainLength>140</tsi:TrainLength>
                        <tsi:WeightOfSetOfCarriages>300</tsi:WeightOfSetOfCarriages>
                        <tsi:LengthOfSetOfCarriages>110</tsi:LengthOfSetOfCarriages>
                        <tsi:TractionDetails>
                            <tsi:LocoTypeNumber>1170660</tsi:LocoTypeNumber>
                            <tsi:TractionMode>11</tsi:TractionMode>
                            <tsi:TractionWeight>90</tsi:TractionWeight>
                            <tsi:Length>
                                <tsi:Value>66</tsi:Value>
                                <tsi:Measure>ft</tsi:Measure>
                            </tsi:Length>
                        </tsi:TractionDetails>
                        <tsi:TrainMaxSpeed>70</tsi:TrainMaxSpeed>
                        <tsi:MaxAxleWeight>21</tsi:MaxAxleWeight>
                        <tsi:RouteClass>D4</tsi:RouteClass>
                        <tsi:BrakeType>G</tsi:BrakeType>
                        <tsi:BrakingRatio>70</tsi:BrakingRatio>
                        <tsi:BrakeWeight>275</tsi:BrakeWeight>
                    </tsi:PlannedTrainTechnicalData>
                </tsi:PlannedTrainData>
                <tsi:OperationalTrainNumber>7M25</tsi:OperationalTrainNumber>
            </tsi:PlannedJourneyLocation>
            <tsi:PlannedCalendar>
                <tsi:BitmapDays>1</tsi:BitmapDays>
                <tsi:ValidityPeriod>
                    <tsi:StartDateTime>2017-07-20T00:00:00.000+02:00</tsi:StartDateTime>
                    <tsi:EndDateTime>2017-07-20T00:00:00.000+02:00</tsi:EndDateTime>
                </tsi:ValidityPeriod>
            </tsi:PlannedCalendar>
        </tsi:PathInformation>
</tsi:PathDetailsMessage>
```