



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

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Valenciennes, 02/05/2025

CEF Project Compliance Test Results – Activity 5 - 2017-DE-TM-0009-W, Path Request Messages

Dear Heinrich Wehrmeyer,

I confirm and certify herewith that the TAF TSI functionality implemented by the company DB Cargo AG (Germany), within the project “Activity 5 - 2017-DE-TM-0009-W, Path Request Messages” is compliant with the appropriate provisions of chapters “4.2.2.2. Path Request message”, “4.2.2.3. Path Details message”, “4.2.2.4. Path Confirmed message”, “4.2.2.5. Path Details Refused message”, “4.2.2.6. Path Cancelled message”, “4.2.2.7. Path Not Available message”, “4.2.2.8. Receipt Confirmation message” and “Error Message” of the [TAF-TSI Regulation \(EU\) 2021/541](#) and its [Technical Documents](#) (XSD version 3.4.0).

In this activity the company DB Cargo AG had to implement the TAF TSI Path Request function. To enable the ERA verification, DB Cargo AG has sent on 25/02/2025 and 17/04/2025 to ERA TAF TSI compliant Path Request messages implemented and used in operation in its own IT system (see Annexes).

Mickael VARGA
European Union Agency for Railways
Operational Data Unit
Project Officer
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Annex 1 – Path Request Message from DB Cargo AG

```

<PathRequestMessage xmlns:ns6="http://rail.dbschenker.de/PPR/PathOrder/Internal/Operations/V01"
.../Path%20Request%20messages/XSD%203_4_0/taf_cat_complete.xsd">
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      <MessageDateTime>2025-01-27T13:08:35.159Z</MessageDateTime>
    </MessageReference>
    <Sender CI_InstanceNumber="1">9876</Sender>
    <Recipient>9876</Recipient>
  </MessageHeader>
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    <eMail>xxx.yyy@deutschebahn.com</eMail>
    <PhoneNumber>+00 000000</PhoneNumber>
  </AdministrativeContactInformation>
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      <Core>-----12345</Core>
      <Variant>01</Variant>
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      <Core>-----12345</Core>
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  </Identifiers>
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  <LeadRU>9999</LeadRU>
  <TypeOfRequest>2</TypeOfRequest>
  <TypeOfInformation>4</TypeOfInformation>
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```

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    <Offset>0</Offset>
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  <PrimaryLocationName>City A</PrimaryLocationName>
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    <BrakingRatio>77</BrakingRatio>
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    <TrainRadioSystem>1</TrainRadioSystem>
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  <Value>SGV</Value>
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  <Value>TRA</Value>
```

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</NetworkSpecificParameter>
</PathRequestMessage>
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Annex 2 – Path Details Message from DB Cargo AG

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<PathDetailsMessage xmlns:ns1="http://www.era.europa.eu/schemes/TAFTSI/3.4"
.../Path%20Request%20messages/XSD%203_4_0/taf_cat_complete.xsd">
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      <MessageDateTime>2025-01-27T13:08:37.017Z</MessageDateTime>
    </MessageReference>
    <Sender CI_InstanceNumber="1">1234</Sender>
    <Recipient>9876</Recipient>
  </MessageHeader>
  <AdministrativeContactInformation>
    <Name>YYYYXX</Name>
    <eMail>xxx@deutschebahn.com</eMail>
    <PhoneNumber>0654321</PhoneNumber>
    <FaxNumber>123456</FaxNumber>
    <FreeTextField>Bitte nutzen Sie bei Anfragen immer diese E-Mail Adresse</FreeTextField>
  </AdministrativeContactInformation>
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    <PlannedTransportIdentifiers>
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      <Core>-----12345</Core>
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      <Core>-----12345</Core>
      <Variant>01</Variant>
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      <Core>-----12345</Core>
      <Variant>00</Variant>
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<LeadRU>9999</LeadRU>
<TypeOfRequest>2</TypeOfRequest>
<TypeOfInformation>16</TypeOfInformation>
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    <LocationPrimaryCode>12345</LocationPrimaryCode>
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    </TimingAtLocation>
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    <ResponsibleRU>9876</ResponsibleRU>
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</PlannedTrainTechnicalData>
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  </TrainActivity>
  <TrainActivity>
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  </ValidityPeriod>
</RequestedCalendar>
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<NetworkSpecificParameter>
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  <Value>SGV</Value>
</NetworkSpecificParameter>
<NetworkSpecificParameter>
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  <Value>1000.00</Value>
</NetworkSpecificParameter>
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  <Value>>false</Value>
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  <Value>7A82F522B2734D92A1A34S312BPTRAIN</Value>
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</PathDetailsMessage>

```

Annex 3 – Path Confirmed Message from DB Cargo AG

```

<PathConfirmedMessage xmlns:ns6="http://rail.dbschenker.de/PPR/PathOrder/Internal/Operations/V01"
.../Path%20Request%20messages/XSD%203_4_0/taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>
      <MessageType>2002</MessageType>
      <MessageTypeVersion>3.3.0.0</MessageTypeVersion>
      <MessageIdentifier>03954eb5-d0d1-4085-8610-66f9ec9c5504</MessageIdentifier>
      <MessageDateTime>2025-01-27T13:09:24.413Z</MessageDateTime>
    </MessageReference>
    <Sender CI_InstanceNumber="1">9876</Sender>
    <Recipient>9876</Recipient>
  </MessageHeader>
  <AdministrativeContactInformation>
    <Name>YYYYXX</Name>
    <eMail>xxx.yyy@deutschebahn.com</eMail>
    <PhoneNumber>+00 000000</PhoneNumber>
  </AdministrativeContactInformation>
  <Identifiers>
    <PlannedTransportIdentifiers>
      <ObjectType>PR</ObjectType>
      <Company>6543</Company>
      <Core>-----12345</Core>
      <Variant>01</Variant>
    </PlannedTransportIdentifiers>
  </Identifiers>

```

```

        <TimetableYear>2025</TimetableYear>
    </PlannedTransportIdentifiers>
    <PlannedTransportIdentifiers>
        <ObjectType>TR</ObjectType>
        <Company>6543</Company>
        <Core>-----12345</Core>
        <Variant>00</Variant>
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    <PlannedTransportIdentifiers>
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        <Company>6543</Company>
        <Core>-----12345</Core>
        <Variant>00</Variant>
        <TimetableYear>2025</TimetableYear>
    </PlannedTransportIdentifiers>
    <PlannedTransportIdentifiers>
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        <Company>6543</Company>
        <Core>-----12345</Core>
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        <TimetableYear>2025</TimetableYear>
    </PlannedTransportIdentifiers>
</Identifiers>
<MessageStatus>1</MessageStatus>
<TypeOfRequest>2</TypeOfRequest>
<TypeOfInformation>17</TypeOfInformation>
<LeadRU>9999</LeadRU>
</PathConfirmedMessage>

```

Annex 4 – Path Detail Refused Message from DB Cargo AG

```

<ns8:PathDetailsRefusedMessage
xmlns:ns6="http://rail.dbschenker.de/PPR/PathOrder/Internal/Operations/V01"
xmlns:ns5="http://rail.dbschenker.de/RCF/Acknowledgement/V02"
xmlns:ns8="http://www.era.europa.eu/schemes/TAFTSI/3.4"
xmlns:ns7="http://rail.dbschenker.de/PPR/PathOrder/V01" xmlns:ns9="http://uic.cc.org/UICMessage"
xmlns:ns10="http://uic.cc.org/UICMessage/Header"
xmlns:ns2="http://rail.dbschenker.de/RCF/ServiceError/V02"
xmlns:ns4="http://rail.dbschenker.de/RCF/BaseMessage/V02"
xmlns:ns3="http://rail.dbschenker.de/RCF/Header/V02" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/3..../
XSD%203_4_0/taf_cat_complete.xsd">
    <ns8:MessageHeader>
        <ns8:MessageReference>
            <ns8:MessageType>2004</ns8:MessageType>
            <ns8:MessageTypeVersion>3.3.0.0</ns8:MessageTypeVersion>
            <ns8:MessageIdentifier>82aa049f-b920-4186-957d-
8d8595a8212d</ns8:MessageIdentifier>
            <ns8:MessageDateTime>2024-08-29T12:23:12.577Z</ns8:MessageDateTime>
        </ns8:MessageReference>
        <ns8:Sender ns8:CI_InstanceNumber="1">1234</ns8:Sender>
    </ns8:MessageHeader>

```

```

        <ns8:Recipient ns8:CI_InstanceNumber="1">9876</ns8:Recipient>
    </ns8:MessageHeader>
    <ns8:AdministrativeContactInformation>
        <ns8:Name>Peter Hansmann</ns8:Name>
        <ns8:eMail>nathalie.musterfrau@deutschebahn.com</ns8:eMail>
        <ns8:PhoneNumber>0777 3312 8418</ns8:PhoneNumber>
    </ns8:AdministrativeContactInformation>
    <ns8:Identifiers>
        <ns8:PlannedTransportIdentifiers>
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        <ns8:PlannedTransportIdentifiers>
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            <ns8:Company>2199</ns8:Company>
            <ns8:Core>DBXXX878711</ns8:Core>
            <ns8:Variant>00</ns8:Variant>
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        <ns8:PlannedTransportIdentifiers>
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            <ns8:Company>2199</ns8:Company>
            <ns8:Core>DBNETZY48711</ns8:Core>
            <ns8:Variant>00</ns8:Variant>
            <ns8:TimetableYear>2025</ns8:TimetableYear>
        </ns8:PlannedTransportIdentifiers>
        <ns8:PlannedTransportIdentifiers>
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            <ns8:Company>0099</ns8:Company>
            <ns8:Core>*****</ns8:Core>
            <ns8:Variant>A1</ns8:Variant>
            <ns8:TimetableYear>2025</ns8:TimetableYear>
        </ns8:PlannedTransportIdentifiers>
    </ns8:Identifiers>
    <ns8:MessageStatus>1</ns8:MessageStatus>
    <ns8:TypeOfRequest>2</ns8:TypeOfRequest>
    <ns8:TypeOfInformation>25</ns8:TypeOfInformation>
    <ns8:LeadRU>2199</ns8:LeadRU>
</ns8:PathDetailsRefusedMessage>

```

Annex 5 – Path Canceled Message from DB Cargo AG

```

<PathCanceledMessage xmlns:ns6="http://rail.dbschenker.de/PPR/PathOrder/Internal/Operations/V01"
.../Path%20Request%20messages/XSD%203_4_0/taf_cat_complete.xsd">
    <MessageHeader>
        <MessageReference>
            <MessageType>2001</MessageType>
            <MessageTypeVersion>3.3.0.0</MessageTypeVersion>

```

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<MessageIdentifier>1675ed86-c809-46f2-ba64-4d5573a8a891</MessageIdentifier>
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</MessageReference>
<Sender CI_InstanceNumber="1">9876</Sender>
<Recipient>9876</Recipient>
</MessageHeader>
<AdministrativeContactInformation>
  <Name>YYYYXX</Name>
  <eMail>xxx.yyy@deutschebahn.com</eMail>
  <PhoneNumber>+00 000000</PhoneNumber>
</AdministrativeContactInformation>
<Identifiers>
  <PlannedTransportIdentifiers>
    <ObjectType>PA</ObjectType>
    <Company>6543</Company>
    <Core>-----12345</Core>
    <Variant>I6</Variant>
    <TimetableYear>2025</TimetableYear>
  </PlannedTransportIdentifiers>
  <PlannedTransportIdentifiers>
    <ObjectType>TR</ObjectType>
    <Company>6543</Company>
    <Core>-----12345</Core>
    <Variant>00</Variant>
    <TimetableYear>2025</TimetableYear>
  </PlannedTransportIdentifiers>
  <PlannedTransportIdentifiers>
    <ObjectType>RO</ObjectType>
    <Company>6543</Company>
    <Core>-----12345</Core>
    <Variant>00</Variant>
    <TimetableYear>2025</TimetableYear>
  </PlannedTransportIdentifiers>
</Identifiers>
<MessageStatus>1</MessageStatus>
<TypeOfRequest>3</TypeOfRequest>
<TypeOfInformation>32</TypeOfInformation>
<LeadRU>9999</LeadRU>
<AffectedSection>
  <StartOfSection>
    <CountryCodeISO>MT</CountryCodeISO>
    <LocationPrimaryCode>12345</LocationPrimaryCode>
    <PrimaryLocationName>City A</PrimaryLocationName>
  </StartOfSection>
  <EndOfSection>
    <CountryCodeISO>MT</CountryCodeISO>
    <LocationPrimaryCode>12345</LocationPrimaryCode>
    <PrimaryLocationName>City A</PrimaryLocationName>
  </EndOfSection>
<PlannedCalendar>
  <BitmapDays>00110</BitmapDays>
  <ValidityPeriod>
    <StartDateTime>2025-02-01T00:00:00.000Z</StartDateTime>
```

```
        <EndTime>2025-02-05T00:00:00.000Z</EndTime>
    </ValidityPeriod>
    <OffsetToReference>0</OffsetToReference>
</PlannedCalendar>
</AffectedSection>
</PathCanceledMessage>
```

Annex 6 – Path Not Available Message from DB Cargo AG

```
<PathNotAvailableMessage xmlns:ns1="http://www.era.europa.eu/schemes/TAFTSI/3.4"
.../Path%20Request%20messages/XSD%203_4_0/taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>
      <MessageType>2005</MessageType>
      <MessageTypeVersion>3.1.0.1</MessageTypeVersion>
      <MessageIdentifier>4fe9cf18-2fce-4c45-8b54-539b3cd458d9</MessageIdentifier>
      <MessageDateTime>2024-11-20T11:00:24.374Z</MessageDateTime>
    </MessageReference>
    <SenderReference>XXXXX</SenderReference>
    <Sender CI_InstanceNumber="1">1234</Sender>
    <MessageDateTimeCreated>2024-11-20T11:00:24.374Z</MessageDateTimeCreated>
    <Recipient>9876</Recipient>
  </MessageHeader>
  <AdministrativeContactInformation>
    <Name>YYYYXX</Name>
    <eMail>xxxx@fghfgh.de</eMail>
    <PhoneNumber>45987654</PhoneNumber>
  </AdministrativeContactInformation>
  <Identifiers>
    <PlannedTransportIdentifiers>
      <ObjectType>PR</ObjectType>
      <Company>6543</Company>
      <Core>-----12345</Core>
      <Variant>01</Variant>
      <TimetableYear>2024</TimetableYear>
    </PlannedTransportIdentifiers>
    <PlannedTransportIdentifiers>
      <ObjectType>TR</ObjectType>
      <Company>6543</Company>
      <Core>-----12345</Core>
      <Variant>00</Variant>
      <TimetableYear>2024</TimetableYear>
    </PlannedTransportIdentifiers>
    <PlannedTransportIdentifiers>
      <ObjectType>RO</ObjectType>
      <Company>6543</Company>
      <Core>-----12345</Core>
      <Variant>00</Variant>
      <TimetableYear>2024</TimetableYear>
    </PlannedTransportIdentifiers>
```

```

    <PlannedTransportIdentifiers>
      <ObjectType>PA</ObjectType>
      <Company>6543</Company>
      <Core>-----12345</Core>
      <Variant>W4</Variant>
      <TimetableYear>2024</TimetableYear>
    </PlannedTransportIdentifiers>
  </Identifiers>
  <MessageStatus>1</MessageStatus>
  <TypeOfRequest>3</TypeOfRequest>
  <TypeOfInformation>23</TypeOfInformation>
  <CoordinatingIM>9999</CoordinatingIM>
  <LeadRU>9999</LeadRU>
  <AffectedSection>
    <StartOfSection>
      <CountryCodeISO>MT</CountryCodeISO>
      <LocationPrimaryCode>12345</LocationPrimaryCode>
      <PrimaryLocationName>City A</PrimaryLocationName>
    </StartOfSection>
    <EndOfSection>
      <CountryCodeISO>MT</CountryCodeISO>
      <LocationPrimaryCode>12345</LocationPrimaryCode>
      <PrimaryLocationName>City A</PrimaryLocationName>
    </EndOfSection>
    <PlannedCalendar>
      <BitmapDays>00001000</BitmapDays>
      <ValidityPeriod>
        <StartDateTime>2024-12-06T00:00:00</StartDateTime>
        <EndDateTime>2024-12-13T00:00:00</EndDateTime>
      </ValidityPeriod>
      <OffsetToReference>0</OffsetToReference>
    </PlannedCalendar>
  </AffectedSection>
  <InterruptionInformation/>
</PathNotAvailableMessage>

```

Annex 7 – Receipt Confirmation Message from DB Cargo AG

```

<ReceiptConfirmationMessage xmlns:ns1="http://www.era.europa.eu/schemes/TAFTSI/3.4"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
.../Path%20Request%20messages/XSD%203_4_0/taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>
      <MessageType>2007</MessageType>
      <MessageTypeVersion>3.3.0.0</MessageTypeVersion>
      <MessageIdentifier>bcd16b28-3e8b-4a83-a35f-eccb209549da</MessageIdentifier>
      <MessageDateTime>2025-01-27T13:08:36.058Z</MessageDateTime>
    </MessageReference>
    <Sender CI_InstanceNumber="1">1234</Sender>
    <Recipient>9876</Recipient>

```

```

</MessageHeader>
<Identifiers>
  <PlannedTransportIdentifiers>
    <ObjectType>PR</ObjectType>
    <Company>6543</Company>
    <Core>-----12345</Core>
    <Variant>01</Variant>
    <TimetableYear>2025</TimetableYear>
  </PlannedTransportIdentifiers>
  <PlannedTransportIdentifiers>
    <ObjectType>TR</ObjectType>
    <Company>6543</Company>
    <Core>-----12345</Core>
    <Variant>00</Variant>
    <TimetableYear>2025</TimetableYear>
  </PlannedTransportIdentifiers>
  <PlannedTransportIdentifiers>
    <ObjectType>RO</ObjectType>
    <Company>6543</Company>
    <Core>-----12345</Core>
    <Variant>00</Variant>
    <TimetableYear>2025</TimetableYear>
  </PlannedTransportIdentifiers>
  <RelatedPlannedTransportIdentifiers>
    <ObjectType>TR</ObjectType>
    <Company>6543</Company>
    <Core>-----12345</Core>
    <Variant>00</Variant>
    <TimetableYear>2025</TimetableYear>
  </RelatedPlannedTransportIdentifiers>
  <ReasonOfReference>DE06</ReasonOfReference>
</Identifiers>
<TypeOfRequest>2</TypeOfRequest>
<TypeOfInformation>4</TypeOfInformation>
<RelatedReference>
  <RelatedType>2006</RelatedType>
  <RelatedIdentifier>faa2c4f2-08ef-4685-988e-2b5e2b293997</RelatedIdentifier>
  <RelatedMessageDateTime>2025-01-27T13:08:35.159Z</RelatedMessageDateTime>
</RelatedReference>
</ReceiptConfirmationMessage>

```

Annex 8 – Error Message from DB Cargo AG

```

<ns1:ErrorMessage xmlns:ns1="http://www.era.europa.eu/schemes/TAFTSI/3.4"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/.../XSD%203_4_0/taf_cat_complete.xsd">
  <ns1:MessageHeader>
    <ns1:MessageReference>
      <ns1:MessageType>9000</ns1:MessageType>
      <ns1:MessageTypeVersion>3.3.0.0</ns1:MessageTypeVersion>
      <ns1:MessageIdentifier>3522e4bb-c192-4be3-b624-
fa787b88cb0f</ns1:MessageIdentifier>

```



```
<ns1:MessageDateTime>2025-01-17T08:02:19.979Z</ns1:MessageDateTime>
</ns1:MessageReference>
<ns1:Sender ns1:CI_InstanceNumber="1">0099</ns1:Sender>
<ns1:Recipient ns1:CI_InstanceNumber="1">2199</ns1:Recipient>
</ns1:MessageHeader>
<ns1:MessageStatus>1</ns1:MessageStatus>
<ns1:AdministrativeContactInformation>
  <ns1:Name>Team Neues xxx</ns1:Name>
  <ns1:eMail>xxx@deutschebahn.com</ns1:eMail>
  <ns1:PhoneNumber>Keine Nummer Vorhanden</ns1:PhoneNumber>
</ns1:AdministrativeContactInformation>
<ns1:ErrorCauseReference>
  <ns1:MessageReference>
    <ns1:MessageType>2006</ns1:MessageType>
    <ns1:MessageTypeVersion>3.3.0.0</ns1:MessageTypeVersion>
    <ns1:MessageIdentifier>6052ac15-2042-4bce-b82e-
b494a679584e</ns1:MessageIdentifier>
    <ns1:MessageDateTime>2025-01-17T08:02:16.464Z</ns1:MessageDateTime>
  </ns1:MessageReference>
</ns1:ErrorCauseReference>
<ns1>Error>
  <ns1:TypeOfError>2</ns1:TypeOfError>
  <ns1:Severity>4</ns1:Severity>
  <ns1:ErrorCode>6500</ns1:ErrorCode>
  <ns1:FreeTextField>Aufruf des OTN-Service ist fehlgeschlagen</ns1:FreeTextField>
</ns1>Error>
<ns1:PlannedTransportIdentifiers>
  <ns1:ObjectType>PR</ns1:ObjectType>
  <ns1:Company>2199</ns1:Company>
  <ns1:Core>YY46DF67Q0PB</ns1:Core>
  <ns1:Variant>01</ns1:Variant>
  <ns1:TimetableYear>2025</ns1:TimetableYear>
</ns1:PlannedTransportIdentifiers>
<ns1:PlannedTransportIdentifiers>
  <ns1:ObjectType>TR</ns1:ObjectType>
  <ns1:Company>2180</ns1:Company>
  <ns1:Core>XXXXXXBASIS1</ns1:Core>
  <ns1:Variant>00</ns1:Variant>
  <ns1:TimetableYear>2025</ns1:TimetableYear>
</ns1:PlannedTransportIdentifiers>
<ns1:PlannedTransportIdentifiers>
  <ns1:ObjectType>RO</ns1:ObjectType>
  <ns1:Company>2199</ns1:Company>
  <ns1:Core>YYYYYYBASIS1</ns1:Core>
  <ns1:Variant>00</ns1:Variant>
  <ns1:TimetableYear>2025</ns1:TimetableYear>
</ns1:PlannedTransportIdentifiers>
</ns1:ErrorMessage>
```