



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

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Valenciennes, 22/05/2026

Certification request – Implementation of Telematics Path Request messages in TPS

Dear Niklas Galonske,

I confirm and certify herewith that the following TAF TSI functionality implemented by the company Hacon Ingenieurgesellschaft mbH (Germany), within the project “Implementation of Telematics Path Request messages in TPS”, is compliant with the appropriate provisions of chapter 2.3. Capacity Allocation of the [Telematics TSI Regulation \(EU\) 2026/253](#) and its [Technical Documents](#) (XSD version 3.4.1).

In this activity the company Hacon Ingenieurgesellschaft mbH has implemented the Telematics TSI Path Request Messages within its TPS system.

To enable the ERA verification, Hacon Ingenieurgesellschaft mbH has sent on 21/05/2026 to ERA Telematics TSI compliant Path Request Messages (see Annex 1).

In above delivery Hacon Ingenieurgesellschaft mbH has also sent Path Coordination messages, which are at present stage not part of above ERA XSD, thus have not been tested for compliance.

Mickael VARGA
European Union Agency for Railways
Operational Data Unit
Project Officer
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Annex 1 – Path Request messages

```

<ErrorMessage
xmlns:tsi="http://www.era.europa.eu/schemes/TAFTSI/3.4" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/3.4
file:///C:/Users/vargami/OneDrive%20-%20European%20Union%20Agency%20for%20Railways%20(E
RA)/Desktop/Telematics/Compliance%20mapping/Hacon/T
SI_TAF-3.4.1/taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>

  </MessageHeader>
  <MessageType>9000</MessageType>

  <MessageTypeVersion>3.4.1.0</MessageTypeVersion>

  <MessageIdentifier>0</MessageIdentifier>
  <MessageDateTime>2026-05-19T10:19:46</MessageDateTime>
  </MessageReference>
  <Sender>1234</Sender>
  <Recipient>9876</Recipient>
</MessageHeader>
<MessageStatus>1</MessageStatus>
<AdministrativeContactInformation>
  <Name>YYYYXX</Name>
</AdministrativeContactInformation>
<Error>
  <TypeOfError>1</TypeOfError>
  <Severity>2</Severity>
  <ErrorCode>5209</ErrorCode>
  <FreeTextField>The Secondary Train
number 6538533453 is present but a corresponding
train is not found.</FreeTextField>
</Error>
  <PlannedTransportIdentifiers>
    <ObjectType>TR</ObjectType>
    <Company>6543</Company>
    <Core>-----12345</Core>
    <Variant>00</Variant>
    <TimetableYear>2026</TimetableYear>
  </PlannedTransportIdentifiers>
  <PlannedTransportIdentifiers>
    <ObjectType>PR</ObjectType>
    <Company>6543</Company>
    <Core>-----12345</Core>
    <Variant>00</Variant>
    <TimetableYear>2026</TimetableYear>
  </PlannedTransportIdentifiers>
</ErrorMessage>
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<PathCanceledMessage
xmlns="http://www.era.europa.eu/schemes/TAFTSI/3.4"
xmlns:tsi="http://www.era.europa.eu/schemes/TAFTSI

/3.4" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/3.4
file:///C:/Users/vargami/OneDrive%20-%20European%20Union%20Agency%20for%20Railways%20(E
RA)/Desktop/Telematics/Compliance%20mapping/Hacon/T
SI_TAF-3.4.1/taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>

  </MessageHeader>
  <MessageType>2001</MessageType>

  <MessageTypeVersion>3.4.1.0</MessageTypeVersion>

  <MessageIdentifier>8b22a093-
cf68-4e7c-9def-335f8afa6734</MessageIdentifier>
  <MessageDateTime>2025-09-02T06:54:50.810Z</MessageDateTime>
  </MessageReference>
  <Sender>1234</Sender>
  <Recipient>9876</Recipient>
</MessageHeader>
<AdministrativeContactInformation>
  <Name>YYYYXX</Name>
</AdministrativeContactInformation>
<Identifiers>
  <PlannedTransportIdentifiers>
    <ObjectType>TR</ObjectType>
    <Company>6543</Company>
    <Core>-----12345</Core>
    <Variant>00</Variant>

  <TimetableYear>2025</TimetableYear>
  </PlannedTransportIdentifiers>
  <PlannedTransportIdentifiers>
    <ObjectType>PR</ObjectType>
    <Company>6543</Company>
    <Core>-----12345</Core>
    <Variant>00</Variant>

  <TimetableYear>2025</TimetableYear>
  </PlannedTransportIdentifiers>
</Identifiers>
  <MessageStatus>3</MessageStatus>
  <TypeOfRequest>3</TypeOfRequest>
  <TypeOfInformation>32</TypeOfInformation>
  <AffectedSection>
    <StartOfSection>

  <CountryCodeISO>MT</CountryCodeISO>

  <LocationPrimaryCode>12345</LocationPrimaryCode>
    <PrimaryLocationName>City
A</PrimaryLocationName>
  </StartOfSection>
  <EndOfSection>

  <CountryCodeISO>MT</CountryCodeISO>

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        <LocationPrimaryCode>12345</LocationPrimary
Code>
        <PrimaryLocationName>City
A</PrimaryLocationName>
        </EndOfSection>
        <OperationalTrainNumberIdentifier>

        <OperationalTrainNumber>11111</OperationalT
rainNumber>
        </OperationalTrainNumberIdentifier>
        <PlannedCalendar>
            <BitmapDays>1</BitmapDays>
            <ValidityPeriod>
                <StartDateTime>2025-
09-02T00:00:00+01:00</StartDateTime>
                <EndDateTime>2025-09-
02T00:00:00+01:00</EndDateTime>
            </ValidityPeriod>
        </PlannedCalendar>
        <NetworkSpecificParameter>
            <Name>YYYXXX</Name>
            <Value>13973201</Value>
        </NetworkSpecificParameter>
        </AffectedSection>
</PathCanceledMessage>
    
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<PathConfirmedMessage
xmlns:ns1="http://www.era.europa.eu/schemes/TAFTSI
/3.4"
xmlns:ns5="http://uic.cc.org/li/messageprocessing/
header"
xmlns:ns4="http://uic.cc.org/li/messageprocessing/
inbound/"
xmlns:ns3="http://uic.cc.org/li/messageprocessing/
outbound/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
xsi:schemaLocation="http://www.era.europa.eu/schem
es/TAFTSI/3.4
file:///C:/Users/vargami/OneDrive%20-
%20European%20Union%20Agency%20for%20Railways%20(E
RA)/Desktop/Telematics/Compliance%20mapping/Hacon/
TSI_TAF-3.4.1/taf_cat_complete.xsd">
    <MessageHeader>
        <MessageReference>

        <MessageType>2002</MessageType>

        <MessageTypeVersion>3.4.1.0</MessageTypeVer
sion>
            <MessageIdentifier
xmlns="http://www.era.europa.eu/schemes/TAFTSI/3.4
">d2f7a265-d75d-11f0-8298-
b6fb4e678d39</MessageIdentifier>
            <MessageDateTime
xmlns="http://www.era.europa.eu/schemes/TAFTSI/3.4
">2025-12-12T13:24:02.003+00:00</MessageDateTime>
        </MessageReference>

        <SenderReference>XXXXX</SenderReference>
            <Sender>1234</Sender>
            <MessageDateTimeCreated>2025-12-
12T13:24:01.75901097Z</MessageDateTimeCreated>
    
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```

        <Recipient>9876</Recipient>
</MessageHeader>
<AdministrativeContactInformation>
    <Name>YYYXXX</Name>
    <eMail>xx.yy@zz.no</eMail>
</AdministrativeContactInformation>
<Identifiers>
    <PlannedTransportIdentifiers>
        <ObjectType>PA</ObjectType>
        <Company>6543</Company>
        <Core>-----12345</Core>
        <Variant>01</Variant>

    <TimetableYear>2027</TimetableYear>
        </PlannedTransportIdentifiers>
        <PlannedTransportIdentifiers>
            <ObjectType>TR</ObjectType>
            <Company>6543</Company>
            <Core>-----12345</Core>
            <Variant>00</Variant>

    <TimetableYear>2027</TimetableYear>
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        <PlannedTransportIdentifiers>
            <ObjectType>PR</ObjectType>
            <Company>6543</Company>
            <Core>-----12345</Core>
            <Variant>01</Variant>

    <TimetableYear>2027</TimetableYear>
        </PlannedTransportIdentifiers>
        <PlannedTransportIdentifiers>
            <ObjectType>RO</ObjectType>
            <Company>6543</Company>
            <Core>-----12345</Core>
            <Variant>01</Variant>

    <TimetableYear>2027</TimetableYear>
        </PlannedTransportIdentifiers>
</Identifiers>
<MessageStatus>1</MessageStatus>
<TypeOfRequest>2</TypeOfRequest>
<ProcessType>0</ProcessType>
<TypeOfInformation>12</TypeOfInformation>
<CoordinatingIM>9999</CoordinatingIM>
<LeadRU>9999</LeadRU>
</PathConfirmedMessage>
    
```

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-----
<PathDetailsMessage
xmlns:tsi="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/schem
es/TAFTSI/3.4
file:///C:/Users/vargami/OneDrive%20-
%20European%20Union%20Agency%20for%20Railways%20(E
RA)/Desktop/Telematics/Compliance%20mapping/Hacon/
TSI_TAF-3.4.1/taf_cat_complete.xsd">
    <MessageHeader>
        <MessageReference>

        <MessageType>2003</MessageType>
    
```



```

        </PlannedTrainData>
        <TrainActivity>
    <TrainActivityType>0040</TrainActivityType>
    </TrainActivity>

    <OperationalTrainNumber>11111</OperationalT
rainNumber>

    <JourneyLocationTypeCode>04</JourneyLocatio
nTypeCode>
    </PlannedJourneyLocation>
    <PlannedCalendar>

        <BitmapDays>01111110111110101111101011111011
111101111110111111011111101111110111110111110111
11011111101111110111111011111011111101111101111
10111111011111101111101111101111110111110111111
0111111011111011111011111011111011111011111011111
111110111111011111011111101111101111101111101111101
1111101111110111110111111011111</BitmapDays>
        <ValidityPeriod>
            <StartDateTime>2026-
12-13T00:00:00+01:00</StartDateTime>
            <EndDateTime>2027-12-
11T23:59:59+01:00</EndDateTime>
        </ValidityPeriod>
    </PlannedCalendar>
</PathInformation>
<NetworkSpecificParameter>
    <Name>YYYXXX</Name>
    <Value>Gt</Value>
</NetworkSpecificParameter>
<NetworkSpecificParameter>
    <Name>YYYXXX</Name>
    <Value>K1</Value>
</NetworkSpecificParameter>
</PathRequestMessage>
    
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```

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<ReceiptConfirmationMessage
xmlns:ns1="http://www.era.europa.eu/schemes/TAFTSI
/3.4"
xmlns:ns5="http://uic.cc.org/li/messageprocessing/
header"
xmlns:ns4="http://uic.cc.org/li/messageprocessing/
inbound/"
xmlns:ns3="http://uic.cc.org/li/messageprocessing/
outbound/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
xsi:schemaLocation="http://www.era.europa.eu/schem
es/TAFTSI/3.4
file:///C:/Users/vargami/OneDrive%20-
%20European%20Union%20Agency%20for%20Railways%20(E
RA)/Desktop/Telematics/Compliance%20mapping/Hacon/
TSI_TAF-3.4.1/taf_cat_complete.xsd">
    <MessageHeader>
        <MessageReference>

    <MessageType>2007</MessageType>

    <MessageTypeVersion>3.4.1.0</MessageTypeVer
sion>
    
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        <MessageIdentifier
xmlns="http://www.era.europa.eu/schemes/TAFTSI/3.4
">68693eb6-93a5-11f0-88d4-
b6fb4e678d38</MessageIdentifier>
        <MessageDateTime
xmlns="http://www.era.europa.eu/schemes/TAFTSI/3.4
">2025-09-17T09:05:07.944+00:00</MessageDateTime>
    </MessageReference>
    <Sender>1234</Sender>
    <MessageDateTimeCreated>2025-09-
17T09:05:07.870462936Z</MessageDateTimeCreated>
    <Recipient>9876</Recipient>
</MessageHeader>
<Identifiers>
    <PlannedTransportIdentifiers>
        <ObjectType>RO</ObjectType>
        <Company>6543</Company>
        <Core>-----12345</Core>
        <Variant>01</Variant>

    <TimetableYear>2026</TimetableYear>
    </PlannedTransportIdentifiers>
    <PlannedTransportIdentifiers>
        <ObjectType>TR</ObjectType>
        <Company>6543</Company>
        <Core>-----12345</Core>
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    <TimetableYear>2026</TimetableYear>
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        <Company>6543</Company>
        <Core>-----12345</Core>
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    <TimetableYear>2026</TimetableYear>
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        <ObjectType>PA</ObjectType>
        <Company>6543</Company>
        <Core>-----12345</Core>
        <Variant>01</Variant>

    <TimetableYear>2026</TimetableYear>
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</Identifiers>
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<TypeOfInformation>8</TypeOfInformation>
<RelatedReference>
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    <RelatedIdentifier>66816ba6-93a5-
11f0-9e62-06502f37d84d</RelatedIdentifier>
    <RelatedMessageDateTime>2025-09-
17T11:05:04.735+02:00</RelatedMessageDateTime>
    </RelatedReference>
</ReceiptConfirmationMessage>
    
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