



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

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Valenciennes, 27/6/2024

**Building interoperable rail system in the Baltic countries Activity 5 - AS "Eesti Raudtee": CEF Grant Agreement INEA/CEF/TRAN/M2018/1774156**

Dear Tõnu Tammer,

I confirm and certify herewith that the following TAF TSI functionalities implemented by the company AS "Eesti Raudtee" (Estonia), within the project "CEF Grant Agreement INEA/CEF/TRAN/M2018/1774156", are compliant with the appropriate provisions of the [TAF-TSI Regulation \(EU\) 2021/541](#) and its [Technical Documents](#) (XSD version 3.3.0) as follows:

TAF function / activity / milestone tested (Text4)	TAF TSI function / chapter	Type Compliance
Activity 5: Implementation of the common system	4.2.2.2. Path Request message	Hard
Activity 5: Implementation of the common system	4.2.3.2. Train Composition message	Hard
Activity 5: Implementation of the common system	4.2.3.3. Train ready message	Hard
Activity 5: Implementation of the common system	4.2.4.2. Train running forecast and Train Delay Cause message	Hard
Activity 5: Implementation of the common system	4.2.4.3. Train Running Information message	Hard
Activity 5: Implementation of the common system	4.2.10.1. Reference Files	Hard
Activity 5: Implementation of the common system	4.2.11.1. General Architecture and 4.2.11.5. Common Interface	Hard

To enable the ERA verification, AS "Eesti Raudtee" has sent on 20/06/2024 to ERA TAF TSI compliant

- Path Request message
- Train Composition message
- Train ready message
- Train running forecast and Train Delay Cause message
- Train running Information message
- Reference Files
- Descriptions of General Architecture and Common Interface

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

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Operational Data Unit  
Project Officer  
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**Annex – Path Request Message**

```

<PathRequestMessage xmlns="http://www.era.europa.eu/schemes/TAFTSI/3.3"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/3.3
../XSD%20Schemas/taf_cat_complete.xsd">
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      <MessageType>2006</MessageType>
      <MessageTypeVersion>3.3.0.0</MessageTypeVersion>
      <MessageIdentifier>bc34debd-28ce-11ef-9b15-0050568e9ac6</MessageIdentifier>
      <MessageDateTime>2024-06-12T18:16:25.787+03:00</MessageDateTime>
    </MessageReference>
    <p5:Sender xmlns:p5="http://www.era.europa.eu/schemes/TAFTSI/3.3"
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    <MessageDateTimeCreated>2024-02-
23T12:39:24.4185654+02:00</MessageDateTimeCreated>
    <Recipient>9876</Recipient>
  </MessageHeader>
  <AdministrativeContactInformation>
    <Name>YYYXXX</Name>
  </AdministrativeContactInformation>
  <Identifiers>
    <PlannedTransportIdentifiers>
      <ObjectType>PR</ObjectType>
      <Company>6543</Company>
      <Core>-----12345</Core>
      <Variant>00</Variant>
      <TimetableYear>2024</TimetableYear>
    </PlannedTransportIdentifiers>
  </Identifiers>
  <MessageStatus>1</MessageStatus>
  <CoordinatingIM>9999</CoordinatingIM>
  <LeadRU>9999</LeadRU>
  <TypeOfRequest>2</TypeOfRequest>
  <ProcessType>2</ProcessType>
  <TypeOfInformation>19</TypeOfInformation>
  <TrainInformation>
    <PlannedJourneyLocation>
      <CountryCodeISO>MT</CountryCodeISO>
      <LocationPrimaryCode>12345</LocationPrimaryCode>
      <PrimaryLocationName>City A</PrimaryLocationName>
      <TimingAtLocation>
        <p7:Timing xmlns:p7="http://www.era.europa.eu/schemes/TAFTSI/3.3"
p7:TimingQualifierCode="ALD">
          <p7:Time>10:00:00.0000000+02:00</p7:Time>
          <p7:Offset>0</p7:Offset>
        </p7:Timing>
      </TimingAtLocation>
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      <ResponsibleRU>9876</ResponsibleRU>
      <ResponsibleIM>1234</ResponsibleIM>
    </PlannedJourneyLocation>
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        <TrainWeight>1111</TrainWeight>
        <TrainLength>4018</TrainLength>
        <WeightOfSetOfCarriages>5000</WeightOfSetOfCarriages>
        <LengthOfSetOfCarriages>4000</LengthOfSetOfCarriages>
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            <TypeCode1>9</TypeCode1>
          </LocoTypeNumber>
        </TractionDetails>
      </PlannedTrainTechnicalData>
    </PlannedTrainData>
  </TrainInformation>
</PathRequestMessage>

```

```

        <TypeCode2>4</TypeCode2>
        <CountryCode>26</CountryCode>
        <SeriesNumber>1235</SeriesNumber>
        <SerialNumber>000</SerialNumber>
    </LocoTypeNumber>
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<EmergencyBrakeOverride>>false</EmergencyBrakeOverride>
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</PlannedTrainData>
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    <LocationPrimaryCode>12345</LocationPrimaryCode>
    <PrimaryLocationName>City A</PrimaryLocationName>
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        <p7:Timing xmlns:p7="http://www.era.europa.eu/schemes/TAFTSI/3.3"
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            <p7:Time>17:00:00.0000000+02:00</p7:Time>
            <p7:Offset>0</p7:Offset>
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    <ResponsibleRU>9876</ResponsibleRU>
    <ResponsibleIM>1234</ResponsibleIM>
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    <PlannedTrainTechnicalData>
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        <TrainLength>4018</TrainLength>
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        <LengthOfSetOfCarriages>4000</LengthOfSetOfCarriages>
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</PlannedJourneyLocation>
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        <EndTime>2024-07-09T00:00:00</EndTime>
    </ValidityPeriod>
</PlannedCalendar>
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    <LocationPrimaryCode>12345</LocationPrimaryCode>
    <PrimaryLocationName>City A</PrimaryLocationName>
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        <ResponsibleRU>9876</ResponsibleRU>
        <ResponsibleIM>1234</ResponsibleIM>
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            <PlannedTrainTechnicalData>
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                <TrainLength>4018</TrainLength>
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                <LengthOfSetOfCarriages>4000</LengthOfSetOfCarriages>
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                <EmergencyBrakeOverride>false</EmergencyBrakeOverride>
                <MinBrakedWeightPercent>55</MinBrakedWeightPercent>
                <TiltingFunction>false</TiltingFunction>
            </PlannedTrainTechnicalData>
        </PlannedTrainData>
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    <PlannedJourneyLocation>
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        <LocationPrimaryCode>12345</LocationPrimaryCode>
        <PrimaryLocationName>City A</PrimaryLocationName>
        <TimingAtLocation>
            <p7:Timing xmlns:p7="http://www.era.europa.eu/schemes/TAFTSI/3.3"
                p7:TimingQualifierCode="ALA">
                <p7:Time>17:00:00.000000+02:00</p7:Time>
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            </p7:Timing>
        </TimingAtLocation>
    </PlannedJourneyLocation>

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    <TrainLength>4018</TrainLength>
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      </LocoTypeNumber>
    </TractionDetails>
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    <EmergencyBrakeOverride>false</EmergencyBrakeOverride>
    <MinBrakedWeightPercent>55</MinBrakedWeightPercent>
    <TiltingFunction>false</TiltingFunction>
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<OperationalTrainNumber>11111</OperationalTrainNumber>
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</PlannedJourneyLocation>
<PlannedCalendar>
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    <EndDateTime>2024-07-09T00:00:00</EndDateTime>
  </ValidityPeriod>
</PlannedCalendar>
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</PathRequestMessage>
```

**Annex – Train Composition Message**

```

<TrainCompositionMessage xmlns="http://www.era.europa.eu/schemes/TAFTSI/3.3"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/3.3
../XSD%20Schemas/taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>
      <MessageType>3003</MessageType>
      <MessageTypeVersion>3.3.0.0</MessageTypeVersion>
      <MessageIdentifier>KIL199Q3NMWE</MessageIdentifier>
      <MessageDateTime>2024-01-31T10:43:42Z</MessageDateTime>
    </MessageReference>
    <p5:Sender xmlns:p5="http://www.era.europa.eu/schemes/TAFTSI/3.3"
p5:CI_InstanceNumber="11">2126</p5:Sender>
    <Recipient>9876</Recipient>
  </MessageHeader>
  <MessageStatus>1</MessageStatus>
  <TransportOperationalIdentifiers>
    <ObjectType>TR</ObjectType>
    <Company>6543</Company>
    <Core>-----12345</Core>
    <Variant>00</Variant>
    <TimetableYear>2024</TimetableYear>
    <StartDate>2024-05-16</StartDate>
  </TransportOperationalIdentifiers>
  <OperationalTrainNumberIdentifier>
    <OperationalTrainNumber>11111</OperationalTrainNumber>
    <ScheduledDateTimeAtTransfer>2024-05-
16T12:00:00+03:00</ScheduledDateTimeAtTransfer>
  </OperationalTrainNumberIdentifier>
  <TransferPoint>
    <CountryCodeISO>MT</CountryCodeISO>
    <LocationPrimaryCode>12345</LocationPrimaryCode>
    <PrimaryLocationName>City A</PrimaryLocationName>
  </TransferPoint>
  <TransfereeIM>9876</TransfereeIM>
  <TrainCompositionJourneySection>
    <JourneySection>
      <JourneySectionOrigin>
        <CountryCodeISO>MT</CountryCodeISO>
        <LocationPrimaryCode>12345</LocationPrimaryCode>
        <PrimaryLocationName>City A</PrimaryLocationName>
      </JourneySectionOrigin>
      <JourneySectionDestination>
        <CountryCodeISO>MT</CountryCodeISO>
        <LocationPrimaryCode>12345</LocationPrimaryCode>
        <PrimaryLocationName>City A</PrimaryLocationName>
      </JourneySectionDestination>
      <ResponsibilityActualSection>
        <ResponsibleRU>9876</ResponsibleRU>
        <ResponsibleIM>1234</ResponsibleIM>
      </ResponsibilityActualSection>
    </JourneySection>
  </TrainCompositionJourneySection>
  <TrainRunningData>
    <TrainRunningTechData>
      <TrainType>2</TrainType>
      <TrainWeight>1111</TrainWeight>
      <TrainLength>100</TrainLength>
      <NumberOfVehicles>5</NumberOfVehicles>
      <NumberOfAxes>14</NumberOfAxes>
    </TrainRunningTechData>
  </TrainRunningData>
</TrainCompositionMessage>

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    </TrainRunningTechData>
    <DangerousGoodsIndicator>false</DangerousGoodsIndicator>
  </TrainRunningData>
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    <LocoTypeNumber>
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      <TypeCode2>0</TypeCode2>
      <CountryCode>26</CountryCode>
      <SeriesNumber>1234</SeriesNumber>
    </LocoTypeNumber>
    <LocoNumber>11111111111</LocoNumber>
    <TractionMode>11</TractionMode>
    <DriverIndication>1</DriverIndication>
    <TractionPositionInTrain>1</TractionPositionInTrain>
  </LocoIdent>
  <LivestockOrPeopleIndicator>0</LivestockOrPeopleIndicator>
  <WagonData>
    <WagonNumberFreight>11111111111</WagonNumberFreight>
    <WagonTrainPosition>2</WagonTrainPosition>
    <WagonOperationalData>
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      <TotalLoadWeight>1111</TotalLoadWeight>
    </WagonOperationalData>
    <WagonTechData>
      <LengthOverBuffers>1500</LengthOverBuffers>
      <WagonNumberOfAxles>2</WagonNumberOfAxles>
      <WagonWeightEmpty>99999</WagonWeightEmpty>
    </WagonTechData>
  </WagonData>
  <WagonData>
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    <WagonTrainPosition>3</WagonTrainPosition>
    <WagonOperationalData>
      <TotalLoadWeight>1111</TotalLoadWeight>
    </WagonOperationalData>
    <WagonTechData>
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      <WagonNumberOfAxles>2</WagonNumberOfAxles>
      <WagonWeightEmpty>99999</WagonWeightEmpty>
    </WagonTechData>
  </WagonData>
  <WagonData>
    <WagonNumberFreight>11111111111</WagonNumberFreight>
    <WagonTrainPosition>4</WagonTrainPosition>
    <WagonOperationalData>
      <TotalLoadWeight>1111</TotalLoadWeight>
    </WagonOperationalData>
    <WagonTechData>
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      <WagonNumberOfAxles>2</WagonNumberOfAxles>
      <WagonWeightEmpty>99999</WagonWeightEmpty>
    </WagonTechData>
  </WagonData>
  <WagonData>
    <WagonNumberFreight>11111111111</WagonNumberFreight>
    <WagonTrainPosition>5</WagonTrainPosition>
    <WagonOperationalData>
      <TotalLoadWeight>1111</TotalLoadWeight>
    </WagonOperationalData>
    <WagonTechData>

```



```
<LengthOverBuffers>1500</LengthOverBuffers>  
<WagonNumberOfAxles>2</WagonNumberOfAxles>  
<WagonWeightEmpty>99999</WagonWeightEmpty>  
</WagonTechData>  
</WagonData>  
</TrainCompositionJourneySection>  
</TrainCompositionMessage>
```

## Annex – Train Ready Message

```
<TrainReadyMessage xmlns="http://www.era.europa.eu/schemes/TAFTSI/3.3 "
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/3.3
../XSD%20Schemas/taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>
      <MessageType>3006</MessageType>
      <MessageTypeVersion>3.3.0.0</MessageTypeVersion>
      <MessageIdentifier>661IXEFAJCT4</MessageIdentifier>
      <MessageDateTime>2024-05-15T12:18:34.458812Z</MessageDateTime>
    </MessageReference>
    <Sender>0026</Sender>
    <Recipient>9876</Recipient>
  </MessageHeader>
  <MessageStatus>1</MessageStatus>
  <TransportOperationalIdentifiers>
    <ObjectType>TR</ObjectType>
    <Company>6543</Company>
    <Core>-----12345</Core>
    <Variant>00</Variant>
    <TimetableYear>2024</TimetableYear>
    <StartDate>2024-05-16</StartDate>
  </TransportOperationalIdentifiers>
  <OperationalTrainNumberIdentifier>
    <OperationalTrainNumber>11111</OperationalTrainNumber>
  </OperationalTrainNumberIdentifier>
  <TrainLocation>
    <CountryCodeISO>MT</CountryCodeISO>
    <LocationPrimaryCode>12345</LocationPrimaryCode>
  </TrainLocation>
</TrainReadyMessage>
```

**Annex – Train Running Forecast Message**

```
<TrainRunningForecastMessage xmlns="http://www.era.europa.eu/schemes/TAFTSI/3.3"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/3.3
../XSD%20Schemas/taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>
      <MessageType>4004</MessageType>
      <MessageTypeVersion>3.3.0.0</MessageTypeVersion>
      <MessageIdentifier>GQN07SEQIX9C</MessageIdentifier>
      <MessageDateTime>2024-06-14T06:50:03Z</MessageDateTime>
    </MessageReference>
    <SenderReference>XXXXX</SenderReference>
    <p5:Sender xmlns:p5="http://www.era.europa.eu/schemes/TAFTSI/3.3"
p5:CI_InstanceNumber="11">0026</p5:Sender>
    <Recipient>9876</Recipient>
  </MessageHeader>
  <MessageStatus>1</MessageStatus>
  <OperationalTrainNumberIdentifier>
    <OperationalTrainNumber>11111</OperationalTrainNumber>
  </OperationalTrainNumberIdentifier>
  <TrainLocationReport>
    <Location>
      <CountryCodeISO>MT</CountryCodeISO>
      <LocationPrimaryCode>12345</LocationPrimaryCode>
      <PrimaryLocationName>City A</PrimaryLocationName>
    </Location>
    <LocationDateTime>2024-06-14T14:00:00Z</LocationDateTime>
    <TrainLocationStatus>01</TrainLocationStatus>
  </TrainLocationReport>
</TrainRunningForecastMessage>
```

**Annex – Train Running Information Message**

```

<TrainRunningInformationMessage xmlns="http://www.era.europa.eu/schemes/TAFTSI/3.3"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/3.3
../XSD%20Schemas/taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>
      <MessageType>4005</MessageType>
      <MessageTypeVersion>3.3.0.0</MessageTypeVersion>
      <MessageIdentifier>NLJ9FCBOP7QQ</MessageIdentifier>
      <MessageDateTime>2024-06-12T14:26:30Z</MessageDateTime>
    </MessageReference>
    <SenderReference>XXXXX</SenderReference>
    <p5:Sender xmlns:p5="http://www.era.europa.eu/schemes/TAFTSI/3.3"
p5:CI_InstanceNumber="11">0026</p5:Sender>
    <Recipient>9876</Recipient>
  </MessageHeader>
  <MessageStatus>1</MessageStatus>
  <OperationalTrainNumberIdentifier>
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  </OperationalTrainNumberIdentifier>
  <TrainLocationReport>
    <Location>
      <CountryCodeISO>MT</CountryCodeISO>
      <LocationPrimaryCode>12345</LocationPrimaryCode>
    </Location>
    <LocationDateTime>2024-06-12T13:57:00Z</LocationDateTime>
    <TrainLocationStatus>03</TrainLocationStatus>
  </TrainLocationReport>
</TrainRunningInformationMessage>

```

**Annex – Train Delay Cause Message**

```

<TrainDelayCauseMessage xmlns="http://www.era.europa.eu/schemes/TAFTSI/3.3"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.era.europa.eu/schemes/TAFTSI/3.3
../XSD%20Schemas/taf_cat_complete.xsd">
  <MessageHeader>
    <MessageReference>
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      <MessageTypeVersion>3.3.0.0</MessageTypeVersion>
      <MessageIdentifier>GGHN07SEQHFE</MessageIdentifier>
      <MessageDateTime>2024-06-14T06:50:03Z</MessageDateTime>
    </MessageReference>
    <p5:Sender xmlns:p5="http://www.era.europa.eu/schemes/TAFTSI/3.3"
p5:CI_InstanceNumber="11">0026</p5:Sender>
    <p5:Recipient xmlns:p5="http://www.era.europa.eu/schemes/TAFTSI/3.3"
p5:CI_InstanceNumber="03">2126</p5:Recipient>
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  <TrainOperationalIdentification>
    <TransportOperationalIdentifiers>
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      <Core>-----12345</Core>
      <Variant>00</Variant>
      <TimetableYear>2024</TimetableYear>
      <StartDate>2024-06-14</StartDate>
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  </TrainOperationalIdentification>
  <OperationalTrainNumberIdentifier>
    <OperationalTrainNumber>11111</OperationalTrainNumber>
  </OperationalTrainNumberIdentifier>
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      <LocationPrimaryCode>12345</LocationPrimaryCode>
      <PrimaryLocationName>City A</PrimaryLocationName>
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    <TrainLocationStatus>03</TrainLocationStatus>
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      <DelayCause>95</DelayCause>
      <DelayMinutes>15</DelayMinutes>
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    </DelayCauseTime>
  </DelayEventReport>
</TrainDelayCauseMessage>

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