
trains

Posted by

on Fri, 26 May 2017 10:35:29 GMT

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Am 18.05.2017 um 12:35 schrieb Dirk Bräuer:

> Dear all,

>

> I fully agree with Leopold concerning:

>

>> ...the replacementOf should not be an attribute. It

>> is a child element of the train and should reference either trainNumber

>> + operatingPeriod or a tafTapTsiTrainID.

>

> And I want to add the attributes additionalTrainNumber and possibly

> scope (when not using tafTapTsiTrainID) to be consequent in railML 2.x.

>

> Dirk.

Hi Dirk,

thanks for the input, I agree with you! As we have discussed in earlier meetings and documented in the railML-Wiki

(<https://wiki.railml.org/index.php?title=TT:train>) a train should have

trainNumber, additionalTrainNum, scope and operating period as unique key in railml.

Therefore I propose to add an element replacements with following schema definition to the eTrain Element:

```
<xs:element name="replacements" type="tReplacedTrains">
</xs:element>
```

```
<xs:complexType name="tUniqueTrainKey">
  <xs:sequence>
    <xs:element ref="eOperatingPeriodRef"/>
  </xs:sequence>
  <xs:attributeGroup ref="aUniqueTrainKey"/>
</xs:complexType>
```

```
<xs:complexType name="tReplacedTrains">
  <xs:sequence>
    <xs:element name="replacementOf" type="tReplacementOf"
minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

```
<xs:complexType name="tReplacementOf">
  <xs:choice>
    <xs:element ref="tafTapTsiTrainID"></xs:element>
    <xs:element ref="eUniqueTrainKey"></xs:element>
  </xs:choice>
</xs:complexType>

<xs:attributeGroup name="aUniqueTrainKey">
  <xs:attribute name="trainNumber" type="xs:string"/>
  <xs:attribute name="additionalTrainNumber" type="xs:string"/>
  <xs:attribute name="scope" type="tTrainScope"/>
</xs:attributeGroup>

<xs:element name="eUniqueTrainKey" type="tUniqueTrainKey">
</xs:element>
```

Best regards,
Leo
