
trains

Posted by

on Fri, 26 May 2017 10:32:21 GMT

[View Forum Message](#) <> [Reply to Message](#)

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
