

Dear RailML-Users,

by implementing RailML-Interface to a vehicle data program I thought some changes would be helpful:

- The enumeration tTrainProtectionMedium should also include the value="electric".

This value might be usefull to describe the French "crocodile"-system or would you use another value of the existing?

- I think it is useful to add the following part:

```
<!--***** -->
```

```
<!-- trackGauges for gauge changing axles -->
```

```
<!--***** -->
```

```
<xs:complexType name="tTrackGauge">
```

```
<xs:attribute name="trackGauge" type="rail:tLengthMM"/>
```

```
</xs:complexType>
```

This makes it possible to show all possible gauges for gauge changing vehicles. I know, that there is a way shown by two different values inside the vehicle.

- The attribute named "count" inside the attribute group aPlaces should change his type to nonNegativeInteger to differ between known values by zero and unknown values by a not existing entry inside the list of places.

- The attributeGroup "aService" should be extended by an attribute "count". Here it can be a tCounter-type.

- Here is also a list of my suggestions for tNationalSystemsType of train protection systems:

```
<xs:enumeration value="ALSEN"/>
```

```
<xs:enumeration value="ALSN"/>
```

```
<xs:enumeration value="ASFA"/>
```

<xs:enumeration value="ATB"/>  
<xs:enumeration value="ATBEG"/>  
<xs:enumeration value="ATBEN"/>  
<xs:enumeration value="ATC"/>  
<xs:enumeration value="ATSP"/>  
<xs:enumeration value="AWS"/>  
<xs:enumeration value="BACC"/>  
<xs:enumeration value="CIR-ELKE"/>  
<xs:enumeration value="CIR-ELKE2"/>  
<xs:enumeration value="Crocodile"/>  
<xs:enumeration value="CSS"/>  
<xs:enumeration value="DATC"/>  
<xs:enumeration value="EBICAB"/>  
<xs:enumeration value="EVM120"/>  
<xs:enumeration value="Fahrsp"/>  
<xs:enumeration value="GWATP"/>  
<xs:enumeration value="Indusi54"/>  
<xs:enumeration value="Indusi60"/>  
<xs:enumeration value="Indusi60R"/>  
<xs:enumeration value="Integra-Signum"/>  
<xs:enumeration value="KHP"/>  
<xs:enumeration value="KLUBU"/>  
<xs:enumeration value="KVB"/>  
<xs:enumeration value="LS"/>

<xs:enumeration value="LS90"/>  
<xs:enumeration value="LZB"/>  
<xs:enumeration value="Memor"/>  
<xs:enumeration value="Mirel"/>  
<xs:enumeration value="PZ80"/>  
<xs:enumeration value="PZB90"/>  
<xs:enumeration value="RS4c"/>  
<xs:enumeration value="SAUTC"/>  
<xs:enumeration value="SAUTCM"/>  
<xs:enumeration value="SAUTU"/>  
<xs:enumeration value="SCMT"/>  
<xs:enumeration value="SELCAB"/>  
<xs:enumeration value="SHP"/>  
<xs:enumeration value="SSC"/>  
<xs:enumeration value="TBL"/>  
<xs:enumeration value="TPWS"/>  
<xs:enumeration value="TVM300"/>  
<xs:enumeration value="TVM400"/>  
<xs:enumeration value="TVM430"/>  
<xs:enumeration value="ZSL90"/>  
<xs:enumeration value="ZUB121"/>  
<xs:enumeration value="ZUB122"/>  
<xs:enumeration value="ZUB123"/>  
<xs:enumeration value="ZUB262"/>

Please do not hesitate to ask me, if there are any questions about my remarks.

Kind regards

Carsten Weber

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