Subject: Distinguish vehicles by vehicle category
Posted by christian.wermelinger on Mon, 16 Sep 2013 16:23:41 GMT

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Dear group

I work as developer at Qnamic
(http://http://www.railml.org//index.php/entwickler.html?show =35). We use
RailML for exchanging timetable, infrastructure and rolling stock data
with different modules of our resource planning and dispatching software
RailOpt (http://www.railml.org/index.php/programme.html?show=10).

Among other things, RailOpt supports the export of rolling stock data.

(http://wiki.railml.org/index.php?title=RS:vehicle) which allows us to
differentiate between different categories of vehicles like coaches, motor
coaches, control cap coaches and motor vehicles.
This information is mainly of interest in context of train formation
planning and validation. Following some examples:
- make sure that motor vehicles, motor coaches, coaches and/or control cap
coaches are planned in the expected sequence
- support vehicle planners meeting the given (multi-)traction requirements
- support stationary depot planners. Provide information where train
formations can be shunted without the need of involving further motor
vehicles.

following values:

- coach
- motorCoach
- controlCapCoach
- motorVehicle
- other:anything Any value that does not fit any value from the previous
enumeration list, fulfilling the constraint: at minimum two characters,
whitespace is not allowed.

```
<xs:simpleType name="tvehicleCategoryType">
  <xs:union>
   <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="coach" />
      <xs:enumeration value="motorCoach" />
      <xs:enumeration value="controlCapCoach" />
      <xs:enumeration value="motorVehicles" />
    </xs:restriction>
   </xs:simpleType>
```

```
    <xs:simpleType>
      <xs:restriction base="rail:tOtherEnumerationValue" />
    </xs:simpleType>
  </xs:union>
</xs:simpleType>
```

What are your thoughts? Feedback is welcomed.

Regards,
Christian

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----== posted via PHP Headliner ==----