Subject: Re: Distinguish vehicles by vehicle category
Posted by Joerg von Lingen on Fri, 04 Oct 2013 07:03:52 GMT
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Hi Christian,

I have inserted the new attribute. The enumeration was extended by value
"freightWagon" for completeness. The version is checked-in in SVN id 603.

Best Jörg

On 16.09.2013 18:23, Christian Wermelinger wrote:
> 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.
> What we miss is a stricter model for â€˜vehicleâ€™ elements
> (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.
>
> We would appreciate an optional attribute â€˜vehicleCategoryâ€™ on the
> â€˜vehicleâ€™ element. I suggest to model it as enumeration containing the
> 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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Best regards,
Joerg v. Lingen

Rollingstock Coordinator