
Subject: Re: How to mark the end of a speed restriction?

Posted by [Susanne Wunsch railML](#) on Fri, 20 Jun 2014 07:03:09 GMT

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Hi Christian,

Christian Rahmig <coord@infrastructure.railml.org> writes:

```
>
> <xs:simpleType name="tVMax">
>   <xs:union>
>     <xs:simpleType>
>       <xs:restriction base="rail:tSpeedKmPerHour" />
>     </xs:simpleType>
>     <xs:simpleType>
>       <xs:restriction base="xs:string">
>         <xs:pattern value="end" />
>       </xs:restriction>
>     </xs:simpleType>
>   </xs:union>
> </xs:simpleType>
>
> The speedChange's attribute @vMax uses this data type.
>
> I hope this solution solves the problem with the undefined maximum
> speed at the end of a temporary speed restriction zone and I
> appreciate your comments about it...
```

Great!

You have chosen the regular expression option in XML schema. I would admit, that there is another possibility to define the value "end", allowing to comment this value:

```
<xs:enumeration value="end" >
  <xs:annotation>
    <xs:documentation>The value 'end' should be used for temporary
    speed restrictions, otherwise define the next speed aspect.</xs:documentation>
  </xs:annotation>
</xs:enumeration>
```

The railML schemas currently use the regular expression method only in cases, where there is no XML schema alternative, e.g. constraining the "other-enumeration-value".

See also <http://stackoverflow.com/questions/13974148/pattern-vs-enumeration-in-schema-xml>

Kind regards...
Susanne

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