Subject: Re: Representation of operational stations
Posted by christian.rahmig on Tue, 03 Apr 2018 08:48:12 GMT

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Dear Dirk,

Am 28.03.2018 um 10:50 schrieb Dirk Bräuer:
> So, to model such stations, we use an <ocp> without the sub-element <propService>.
>
> To make it explicitly, if you fear a misunderstanding with an unknown <propService>, you can either use an empty <propService> element or set all its services to false:
>
>   <ocp id='ocp_DKT_B' name='Dresden-Klotzsche Bbf.' type='operationalName'>
>   <propOperational operationalType='station' orderChangeable='true'
ensuresTrainSequence='true'/>
>   <propService/>
>   <designator register='RL100' entry='DKT B'/>
>   </ocp>
>
> or
>
>   <ocp id='ocp_DKT_B' name='Dresden-Klotzsche Bbf.' type='operationalName'>
>   <propOperational operationalType='station' orderChangeable='true'
ensuresTrainSequence='true'/>
>   <propService passenger='false' goodsLoading='false'/>
>   <designator register='RL100' entry='DKT B'/>
>   </ocp>

I prefer the second solution explicitly stating the boolean service
parameters with value "false". Missing service parameters can be
interpreted as being "unknown". As suggested by you we then need to add
this set of "interpretation rules" in the railML Wiki [1].

The central question to be solved: do we need to have a complementary
information with the attribute <ocp><propOperational>@trafficType in
addition to the attributes in <ocp><propService>? Any comments on this
question are highly appreciated.

>> We propose the addition of a fifth attribute "operational" in railML 2.4...
>
> I think that this would not be in the original sense. Even a station with "services" (dt:
verkehrlichen Eigenschaften) would be operational as well. Please be also aware the possible
misunderstanding with the sub-element <propOperational>.

This conflict could be solved by changing the current attribute
<ocp><propOperational>@trafficType into an element
<ocp><propOperational><traffic> that can be repeated. The modified
example may look like this:

```xml
<ocp id='ocp_DKT_B' name='Dresden-Klotzsche Bbf.' type='operationalName'>
  <propOperational operationalType='station' orderChangeable='true'
ensuresTrainSequence='true'>
    <traffic type="operational"/>
  </propOperational>
  <propService passenger='false' goodsLoading='false'/>
  <designator register='RL100' entry='DKT B'/>
</ocp>
```

[1] https://wiki.railml.org/index.php?title=IS:propService

Best regards
Christian

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