Subject: Re: Representation of operational stations
Posted by   on Wed, 28 Mar 2018 08:50:45 GMT
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Dear Tobias,

in my understanding of the current railML schemes, a purely-operational station as you describe them is a station without any traffic service (dt: Bahnhof, der keine Zugangsstelle ist, keine verkehrlichen Eigenschaften hat).

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>
```

Please be aware that it is always good provide your interface with an own specification of which elements/attributes you used and how, complementing the railML scheme - a kind of use case documentation. Here, you can specify what a missing or an empty <propService> means.

> 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>.

> Btw, isn't this an OCP of type "siding" as proposed in [1]?

As far as I know, "siding" has been intended for sidings (dt: Nebengleise; hier: Anschlussstelle = Nebengleis abzweigend auf freier Strecke).

A pure station for overtakings or crossings (dt: reiner Überholungs- oder Kreuzungsbahnhof) would be a "loop". But in the operational meaning, it is still a station (dt: i. S. v. Zugmeldestelle).

Since the name of the attribute is _operational_Type, the value should be 'station'.

(Dt: Im betrieblichen Sinne sind auch reine Überholungsbahnhöfe Zugmeldestellen. Da der Name des Attributs "_betrieblicher_ Typ" ist, sollte hier für alle Zugmeldestellen einheitlich 'station' verwendet werden. Die Unterscheidung der verkehrlichen Eigenschaften (Reiseverkehr, Güterverkehr oder keiner davon) sollte nicht im Element <propOperational> = "betriebliche Eigenschaften", sondern im Element <propService> = "verkehrliche Eigenschaften" erfolgen.)

With best regards,
Dirk.