Subject: Re: Topologie-Stichtag / Topology reference date
Posted by   on Tue, 22 Nov 2016 07:18:34 GMT
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Hello everyone,

sorry for my late answer.

In the SBB data model, the topology reference dates are defined directly on the train itself because they are globally valid. These mean that multiple topology dates have been used for all referenced infrastructure elements at the moment the train was planned.

Example: At the beginning of 2016, a new train is planned for the whole operation period in 2016 (every day in the year). At this time, the topology reference date is 01.01.2016. It is already known, however, that the topology will change on 01.06.2016. Thus, another topology reference date is set for the 01.06.2016. In this case, the topology from 01.01.2016 is used for e.g. train runtime calculation for the first half-year.

In RailML, that would mean that we have to add a list of dates to the <train> element. Something like that:

```
<!-- Trasse: T16321-001 -->
<train id="train-trasse-16321-001"
    code="T16321-001"
    type="operational"
    trainNumber="16321"
    additionalTrainNumber="1"
    cancellation="false"
    processStatus="actual"
    description="BnMuebD">

  <my:topologyReferenceDates>
    <my:referenceDate>2016-01-01</my:referenceDate>
    <my:referenceDate>2016-06-01</my:referenceDate>
  </my:topologyReferenceDates>

  ...
  ...

</train>
```

Best regards,
Mico