Subject: Re: ocp's/stations and their properties
Posted by Christian Rahmig on Sat, 01 Sep 2012 10:12:32 GMT
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Hello Dirk & everyone interested,

>>> So, my suggestion would be:
>>> - to define an optional attribute 'parentOcpRef' (=tGenericRef) of an
>>> <ocp>.
>
>> However, your question brings it to the point: Do we need an explicit
>> <ocpGroup> or may we reference from one <ocp> to the next/parent
>> <ocp>? What do others think about this question regarding their usage
>> of <ocp>?
>
> It seams to me that an optional attribute 'parentOcpRef' (=tGenericRef)
> of an <ocp> is the simplest way to allow the desired function: No
> additional structures, no 'ref's to more than one target list, direct
> (cascaded) cross-references from a train to it's ocp's, more flexibility.

And that is the way, how we will do it with railML 2.2. An <ocp> may
refer to its one and only parent <ocp> using the new optional attribute
'parentOcpRef' of type tGenericRef.

This requires the following changes within infrastructureTypes.xsd (c.f.
trac ticket [1]):

```
  <xs:complexType name="tOperationControlPoint">
   <xs:complexContent>
    <xs:extension base="rail:tElementWithIDAndName">
      ...
      <xs:attribute name="parentOcpRef" type="rail:tGenericRef">
       <xs:annotation>
        <xs:documentation>references the one and only parent ocp of
this ocp</xs:documentation>
       </xs:annotation>
      </xs:attribute>
    </xs:extension>
   </xs:complexContent>
  </xs:complexType>
```

However, I still think that concerning the overloading of attributes, we
should follow the concept that the attributes of a referenced
"parentOcp" should be overwritten by corresponding attributes from the
referencing <ocp>.

Regards

[1] https://trac.assembla.com/railML/ticket/153

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