
Subject: Re: roles

Posted by [Susanne Wunsch railML](#) on Thu, 15 Mar 2012 13:46:11 GMT

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Andreas Tanner <ata@ivu.de> writes:

Hi Andreas,

- > In RailML, we have different attributes and elements for roles:
- > - "owner" in InfraAttrGroups and "ownerChanges", both used for tracks
- > - "manufacturer" and "operator" (element) for vehicles,
- > - "operator" (attribute) for trainParts

Yes, it's done in different ways across the subschemas.

- > I think it would be wise to introduce a dedicated type for "roles" and
- > provide slots for id references at the appropriate locations. Maybe a
- > string enumeration type would work for the names of the different
- > roles. Even better, we could provide container elements as used in the
- > vehicle classification everywhere.

I try to figure out, what you want to get. The following XML snippets try to show your wishes. Please correct me, if I'm wrong with my implementation.

```
<infrastructure>
...
<infraAttributes>
  <owner id="im_12345" name="Die Bahninfrastruktur"
    role="infrastructureManager"
    uicNumber="foo"/>
..
<track>
...
  <ownerChange id="im_54321" name="Schweizerische Bahn"
    role="infrastructureManager"
    uicNumber="bar"/>
...
</infrastructure>
<rollingstock>
...
<vehicle>
  <classification>
    <manufacturer id="m_123" name="Bombardjee"
      role="manufacturer"
      serial_number="123.456.78"/>
    <operator id="o_123" name="EmErCeE-DispoLok"
      role="rollingstockOperator"
```

```
class="baz"  
startDate="2012-01-01" endDate="2012-12-31"/>
```

```
...  
</rollingstock>  
<timetable>  
...  
<trainPart>  
  <operator id="op_123" name="Der Bahnbetreiber"  
    role="railwayUntertaking"/>  
...  
</timetable>
```

My first step is some clarification, afterwards I would comment it.

Thanks for your idea and kind regards...
Susanne

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Susanne Wunsch
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