

---

Subject: Re: roles

Posted by [Joerg von Lingen](#) on Fri, 16 Mar 2012 14:47:32 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hi,

basically I don't see a problem to have one type <role> for this. However, we have to bear in mind that this type must have all the particular attributes required for each role, e.g. startDate+endDate for "Operator" but not necessarily for "Manufacturer".

--

Best regards,

Joerg v. Lingen

Rollingstock Coordinator

On 16.03.2012 11:48, Andreas Tanner wrote:

> Hi,

>

> what about something like this:

>

> Fragment from schema:

>

> <xs:simpleType name="RoleName">

> <xs:restriction base="xs:string">

> <xs:enumeration value="InfrastructureManager"/>

> <xs:enumeration value="Operator"/>

> <xs:enumeration value="Contractor"/>

> <xs:enumeration value="Manufacturer"/>

> </xs:restriction>

> </xs:simpleType>

>

> Usage in document:

>

> <role id="001" roleName="InfrastructureManager" owner="BrokenTracks" uic="foo"/>

> <role id="002" roleName="Operator" owner="SpeedyRailways" uic="xxx"/>

> <role id="003" roleName="Contractor" owner="AtYourServiceCorp" uic="yyy"/>

> <role id="004" roleName="Manufacturer" owner="SteamCoach" />

> ...

>

> <infraStructure>

> ...

> <infraAttributes><roleref ref = "001" startdate="..." ... </infraAttributes>

> ...

> </infraStructure>

>

> <timetable>

> ...

```
> <trainPart><roleRefs>002 003</roleRefs><trainPart>
> ...
> </timetable>
>
> <rollingStock>
> <vehicle>
> <classification>
> <roleRefs>
> <roleRef ref="004" startDate="..." .../>
> ..
> </roleRefs>
> </classification>
> ...
>
>
> Regards,
> Andreas Tanner.
>
>
>
> Am 15.03.2012 14:46, schrieb Susanne Wunsch:
>> 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
>>
>
```

---