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Subject: Re: tElementWithIDAndName

Posted by [Joachim Rubröder railML](#) on Wed, 12 Mar 2008 16:05:54 GMT

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coord@timetable.railml.org writes:

- > we diskussed in Bern to use "tElementWithIDAndName" in all sub
- > schemas for elements to be referenced (elementRefId --> element.id).
- > I startet to do so in the timetable, here my experiences: -
- > tElementWithIDAndName should be part of GenericRailML.xsd

I agree. I would move the complexType definition to file "genericRailML.xsd", if Volker agrees.

- > - the "name" attribute should be optional because not every element
- > needs to have a name. - a "description" attribute is often used in
- > the timetable schema instead of the "name" and should be added
- > (optional) as well, because it is something slightly different from
- > a "name" (e.g. an operating period with id="15", name="Mo-Fr" and
- > description="driving Monday to Friday on working days")

I applied the ideas, mentioned by Joachim:

```
<xsd:complexType name="tElementWithIDAndName">
  <xsd:attribute name="id" type="tGenericID" use="required" />
  <xsd:attribute name="name" type="tGenericName"
    use="optional" />
  <xsd:attribute name="description" type="tElementDescription"
    use="optional" />
  <!-- Provide an extension point for other attributes-->
  <xsd:anyAttribute />
</xsd:complexType>
```

If needed, I can upload a new version of file "genericRailML.xsd" on developer page.

Other schema coordinators should apply this type in order to get a step forward to harmonized railML-schemas.

On the other hand, all references should be renamed e.g. following way:

```
<xsd:attribute name="trainRefId" type="tGenericID" use="optional">
  <xsd:annotation>
    <xsd:documentation>
      Reference to "id" attribute in "train"
      element, "timetable" subschema
    </xsd:documentation>
  </xsd:annotation>
</xsd:attribute>
```

```
<xsd:documentation>  
  Other remarks, e.g. for semantical usage  
</xsd:documentation>  
</xsd:annotation  
</xsd:attribute>
```

I would prefer to define a new simpleType "tGenericRef" in "genericRailML.xsd", in order to distinct between "id" and "\*refId".

Optional or required use has to be decided in special context of element usage.

Best regards,  
Susanne

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Susanne Wunsch  
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