Subject: [railml3.1] cleanup of empty sequences
Posted by Thomas Nygreen JBD on Thu, 03 Jan 2019 19:39:33 GMT

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Dear all,

There are a lot of (=124) empty <sequence/>s in the 3.1-RC. They have no function, are annoying when viewing the schemas in a tree view, and they conceal bad constructs. In most cases the empty sequences can simply be removed, but in some others, the construct should also be changed.

One example:

In common3.xsd:
```
 <xs:element name="Metadata" type="rail3:Metadata"/>
 <xs:complexType name="Metadata">
  <xs:annotation>
   <xs:documentation>This is the top level element for file metadata
information.</xs:documentation>
  </xs:annotation>
  <xs:complexContent>
   <xs:extension base="dc:elementContainer">
    <xs:sequence/>
   </xs:extension>
  </xs:complexContent>
 </xs:complexType>
```

Referenced by the subelement of <railML> in rail3ml.xsd:
```
    <xs:element name="metadata" type="rail3:Metadata" minOccurs="0" maxOccurs="1"/>
```

This is equivalent to simply:

In common3.xsd:
```
 <xs:element name="metadata" type="dc:elementContainer">
  <xs:annotation>
   <xs:documentation>This is the top level element for file metadata
information.</xs:documentation>
  </xs:annotation>
 </xs:element>
```

In rail3ml.xsd (note that I also changed to the normal Salami Slice way):
```
    <xs:element name="metadata" ref="rail3:metadata" minOccurs="0" maxOccurs="1"/>
```

Subject: Re: [railml3.1] cleanup of empty sequences
Posted by Thomas Nygreen JBD on Thu, 03 Jan 2019 21:03:21 GMT

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An example:

Subject: Re: [railml3.1] cleanup of empty sequences
Posted by Vasco Paul Kolmorgen on Sun, 13 Jan 2019 15:31:10 GMT
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Dear Thomas,

many thanks for the attention and support of railML development.

Am 03.01.2019 um 20:39 schrieb Thomas Nygreen:
> There are a lot of (=124) empty <sequence/>s in the 3.1-RC.
> They have no function, are annoying when viewing the schemas
> in a tree view, and they conceal bad constructs. In most
> cases the empty sequences can simply be removed, but in some
> others, the construct should also be changed.

We have already opened ticket #314 (see
https://trac.railml.org/ticket/314) because of this problem and keep an
eye on it during development of Release Candidate 2 of railML 3.1. I
also added your post to the corresponding ticket.

Best regards,
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Vasco Paul Kolmorgen - Governance Coordinator
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