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Subject: RailML-compliant?

Posted by [a.kuckelberg](#) on Mon, 02 Feb 2015 14:01:44 GMT

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Dear all,

we received "RailML2.2-compliant" infrastructure data but had some problems parsing it.

There is one element <switch> (within infrastructure -> tracks->track->trackTopology->connections) which contains an openEnd-element:

```
>      <switch [...]>
>      <openEnd id="..." code="..." />
>      </switch>
```

Is this compliant to RailML 2.2?

If so, where can I find it within the schema?

If not, is this invalid data with respect to the RailML-2.2-Schema?

The corresponding part of the XSD is:

```
<xs:complexType name="eSwitch">
  <xs:complexContent>
    <xs:extension base="rail:tSwitch">
      <xs:sequence>
        <xs:element name="connection" type="rail:tSwitchConnectionData"
maxOccurs="3">
          <xs:annotation>
            <xs:documentation
source="http://wiki.railml.org/index.php?title=IS:connection_switch" />
          </xs:annotation>
        </xs:element>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Thanks in advance,

Alexander

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----- posted via PHP Headliner -----

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Subject: Re: RailML-compliant?

Posted by [Bernhard Seybold](#) on Fri, 06 Feb 2015 14:56:31 GMT

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Dear Alexander

From my point of view, railML with an <openEnd> tag under <switch> is just not valid. I would consider this a bug in the corresponding program.

You didn't say which program produced this, but if it is OpenTrack I would be interested in knowing more about this bug, since I would have to fix it. ;-) If this is the case, please feel free to send me a bug report by email.

Best regards  
Bernhard Seybold

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Subject: Re: RailML-compliant?  
Posted by [Christian Rahmig](#) on Mon, 14 Sep 2015 08:30:23 GMT  
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Dear all,

just for clarification:

As already indicated by Bernhard an <openEnd> element as a child element of <switch> is, of course, invalid syntax. Please refer to [1] to find out that a <switch> must have at least one <connection> element for defining the connection to a branching track.

[1]  
[http://schemas.railml.org/2013/railML-2.2/documentation/railML.html#element\\_switch\\_Link05F708D0](http://schemas.railml.org/2013/railML-2.2/documentation/railML.html#element_switch_Link05F708D0)

Best regards  
Christian

Am 02.02.2015 um 15:01 schrieb A. Kuckelberg:

> Dear all,  
> we received "RailML2.2-compliant" infrastructure data but had some  
> problems parsing it.  
>  
> There is one element <switch> (within infrastructure ->  
> tracks->track->trackTopology->connections) which contains an  
> openEnd-element:  
>>       <switch [...]>  
>>        <openEnd id="..." code="..." />  
>>       </switch>  
> Is this compliant to RailML 2.2?  
> If so, where can I find it within the schema?  
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> The corresponding part of the XSD is:

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>     <xs:extension base="rail:tSwitch">
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>         <xs:element name="connection" type="rail:tSwitchConnectionData"
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>           <xs:annotation>
>             <xs:documentation
> source="http://wiki.railml.org/index.php?title=IS:connection_switch" />
>           </xs:annotation>
>         </xs:element>
>       </xs:sequence>
>     </xs:extension>
>   </xs:complexContent>
> </xs:complexType>
>
>
> Thanks in advance,
> Alexander
>
```

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Christian Rahmig  
railML.infrastructure coordinator

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