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Subject: Re: How to mix switches and crossings en connections ?

Posted by [prenaud](#) on Fri, 17 Jun 2016 08:04:36 GMT

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Hello Christian,

I have checked the definition of the <xs:choice> element on different reference sites.

On the web site of W3C <https://www.w3.org/TR/xmlschema11-1/> chapter 3.8.1 the definition is:

Quote:

- (sequence) correspond, in order, to the specified {particles};
- (choice) correspond to exactly one of the specified {particles};
- (all) correspond to the specified {particles}. The elements can occur in any order.

On Microsoft MSDN [https://msdn.microsoft.com/en-us/library/ms256109%28v=vs.110 %29.aspx](https://msdn.microsoft.com/en-us/library/ms256109%28v=vs.110%29.aspx) the definition is:

Quote:Allows one and only one of the elements contained in the selected group to be present within the containing element.

On the site W3Schools.com [http://www.w3schools.com/xml/el\\_choice.asp](http://www.w3schools.com/xml/el_choice.asp) :

Quote:XML Schema choice element allows only one of the elements contained in the <choice> declaration to be present within the containing element.

These three definitions are coherent and indicate that a <xs:choice> element cannot contains both the sub-elements it defines.

In other words, in the RailML, a <connections> element cannot contains both <switch> AND <crossing> elements.

Your code snippet is not valid with the validation tool xmllint which is based on the library LibXML 2.7.7

Best regards,

Patrick

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