Subject: railml 3.1 validation
Posted by Fabiana Diotallevi on Thu, 24 Oct 2019 11:03:56 GMT
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Dear all,

we are trying to incorporate a railml 3.1 validator (after export and before import) in our RaIL-AiD tool, which is written in QT (c++) language. We are using the railml 3.1 xsd files downloaded from the railml.org website.
However, it seems that the internal QT standard xml validator fails in validating the xsd files themselves (not the produced xml, but the schema files!!!), because there is a circular reference between the two schemas:
- common3.xsd
- rtm4railml3.xsd

The fact is that the common3.xsd file includes the rtm4railml3.xsd, and the rtm4railml3.xsd file includes the common3.xsd.

Is this correct? Is the problem related only to the QT internal validator that can't deal with a cyclic reference? Anybody has had the same problem?

Subject: Re: railml 3.1 validation
Posted by Thomas Nygreen JBD on Thu, 24 Oct 2019 13:38:40 GMT
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Dear Fabiana,

I have not experienced this with other validators (Altova, libxml, xerces), so apparently they will ignore the <include> reference to a schema that is already loaded. I recommend filing an issue towards the QT validator and trying to load the files using an external library such as xerces or Saxon.

Best regards,
Thomas Nygreen
Common coordinator, railML.org

Subject: Re: railml 3.1 validation
Posted by Fabiana Diotallevi on Thu, 24 Oct 2019 13:52:05 GMT
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Dear Thomas,
thank you for your quick reply, I will do as you say.

Thanks again,

f.