

Hello newsgroup,

besides the previous question about accuracies, I received another suggestion from the same user and I'm happy to share it with you for discussion.

Mr. Pitz (Ansaldo) suggested the following improvement regarding linking and references between RailML elements. Let me cite from his email:

- > There seems to be no references between data in your model. XML
- > allows for reference to another part of the model and we feel like
- > this might be necessary to have consistent reference between
- > interlocking and infrastructure model. Did you consider this kind of
- > syntax (<xsd:keyref name="signal_segmentId"
- > refer="segmented" <xsd:selector
- > xpath="trackElements/signals/signal/location"/> <xsd:field
- > xpath="segmentId"/>) ?

It seems to me that this way of referencing between elements offers additional ways of consistency checking (XML now knows that a number is a reference and not just an arbitrary number). On the other hand, introducing this syntax would require significant modifications in the XSD-file although the RailML-XML-file would syntactically not be affected. It's a change "behind the scenes".

Please give me your feedback: what do you think about introducing this syntax in RailML?

Best regards,
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