Subject: Sequence of infrastructure-subelements
Posted by Dominik Looser on Thu, 24 Mar 2022 10:41:16 GMT
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The railML3.2 beta versions show a different order of the subelements of <infrastructure>
compared to railML 3.1:

railML3.1:
 <topology>
 <geometry>
 <functionalInfrastructure>
 <physicalFacilites>
 <infrastructureVisualizations>
 <infrastructureStates>

railML3.2 beta: (alphabetical order)
 <functionalInfrastructure>
 <genericLocations>
 <geometry>
 <infrastructureStates>
 <physicalFacilites>
 <topology>

There already exist two tickets ([1], [2]) to this topic, where it says that the order should stay the
same. One ticket is open, one is closed, but the order is still alphabetical.
Will the order stay the same now or will it be reverted to the railML 3.1 order?

For compatibility reasons we would propose to not change the order of the subelements,
especially since the order in 3.1 also makes more sense (defining topology first, then going into
details with functional infrastructure elements and then their states).

The same topic exists for subelements of <common> [3] and in railML 3.2 beta3 also top-level
<railML> where the order of the subelements has changed. If wished, I will gladly create additional
posts in the respective forums.

[1] https://development.railml.org/railml/version3/-/issues/446
[2] https://development.railml.org/railml/version3/-/issues/462
[3] https://development.railml.org/railml/version3/-/issues/464

Thank you in advance for feedback

Subject: Re: Sequence of infrastructure-subelements
Posted by christian.rahmig on Fri, 01 Apr 2022 10:21:13 GMT
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Dear Dominik,

thank you for your reminder on this topic...
Actually, this is the result of a "feature" in Enterprise Architect. In order to avoid default ordering of elements by alphabet (done automatically by EA), we need to add parameters explicitly defining the sequence of these elements. Milan is now working on this topic to bring the whole railML 3.2 in the right order...

Best regards
Christian

Subject: Re: Sequence of infrastructure-subelements
Posted by Milan Wölke   on Mon, 04 Apr 2022 08:02:42 GMT
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Hi all,

I worked my way through infrastructure and common. They should be in the same ordering now. @Dominik: Do you have an automated way of verifying?

Best regards, Milan

Subject: Re: Sequence of infrastructure-subelements
Posted by Dominik Looser on Mon, 04 Apr 2022 13:12:50 GMT
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Hi Milan

Thank you for your effort. I don't have an automated way but if you send me the updated xsd-files I can check them by integrating them in our tool and validating our files (with the "old" order) against them. I can however only check the parts that we are actually exporting, so subelements of <railML>, <infrastructure>, <common>. If that would help you, please let me know.

Best regards,
Dominik

Subject: Re: Sequence of infrastructure-subelements
Posted by Milan Wölke   on Tue, 19 Apr 2022 07:53:02 GMT
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Hi Dominik,
could you please recheck with the RC1 of railML 3.2? You can download it here:
https://www.railml.org/en/download/schemes.html?file=files/d
ownload/schemas/3.2/railML-3.2-RC1.zip
Im reasonably confident that it should be fine, but its better to double check.

Thanks in advance.

Best regards, Milan