Subject: [railML3] Units of Gradients
Posted by David Lichti on Thu, 20 Jun 2024 07:45:10 GMT
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Dear community,
Can someone clarify the unit of the gradientCurve@gradient and gradientCurve@deltaGradient attributes? The value type rail3:tGradientPerMille suggests a measure in per mille. But the attribute documentation in the XSD file says "constant gradient of the gradient curve in per million", which is a different unit.

I would expect the commonly used unit ‰. But this should probably also be fixed in the documentation.

Best regards

David

Subject: Re: [railML3] Units of Gradients
Posted by christian.rahmig on Fri, 21 Jun 2024 10:06:43 GMT
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Dear David,

the attributes @gradient and @deltaGradient should be given in per mille as this is the standard unit for defining gradients in the railway domain.
Therefore, the XSD documentation should be adapted/fixed with railML 3.3.

I filed a ticket for this issue: https://development.railml.org/railml/version3/-/issues/549

Best regards
Christian

Subject: Re: [railML3] Units of Gradients
Posted by David Lichti on Fri, 21 Jun 2024 12:57:55 GMT
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Thank you for the clarification, Christian.