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Subject: Re: [railML3] tunnel resistance

Posted by [christian.rahmig](#) on Mon, 16 Sep 2024 09:15:53 GMT

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Dear all,

in the last SCTP developer group meeting on September 13, 2024, an alternative solution for tunnel resistance has been discussed. In particular, the proposal looks like this:

- \* add optional child element <tunnelResistance> in functional infrastructure element <overCrossing>
- \* in <tunnelResistance> add optional attribute @crossSection (Tunnelröhren-Querschnitt in qm) and extendable optional enumeration attribute @wallConstructionType (Tunnelwand-Material: rock, quarrystone, brick, concrete, other)
- \* in <tunnelResistance> add optional repeatable child element <resistanceFactor> with mandatory attribute @value (in kg/m) and mandatory enumeration attribute @type (enumeration: passenger, freight, mixed, other)

Is there any objection or feedback for this solution?

Thank you very much and best regards  
Christian

christian.rahmig wrote on Mon, 12 August 2024 13:50Dear all,

following my forum posting from October there has not been any further feedback or feature request. Therefore, I suggest the following solution for railML 3.3 implementation of element <overCrossing>:

- \* add attribute @resistanceFactorPassenger to describe the tunnel resistance factor valid for passenger trains running through this tunnel
- \* add attribute @resistanceFactorFreight to describe the tunnel resistance factor valid for freight trains running through this tunnel.

The proposed solution is documented in the Git issue  
<https://development.railml.org/railml/version3/-/issues/563>