Subject: Infrastructure data for a train path finding tool
Posted by Rüdiger Ebendt on Wed, 29 Jul 2020 12:21:31 GMT
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Hi everyone,

This post is related to two similar posts in railml.infrastructure (see https://www.railml.org/forum/index.php?t=msg&goto=2507, https://www.railml.org/forum/index.php?t=msg&th=747& goto=2508).

Our team would like to base the import interface of a train path finding tool on railML. When adressing this use case, we encountered the problem that it is not entirely obvious to us how to represent some of the concerned data in railML2.4 (more precisely, in the subschema rollingstock).

In the following, I would like to list these pieces of data, and kindly ask the community for suggestions on how to represent them. Respectively, additional comments or sharing of experiences in representing similar data in other use cases, are also greatly appreciated.

The list is (the original German terms are included in square brackets):

- required line category [benötigte Streckenklasse]
- degree of regeneration (of a regenerative brake) [Rückspeisegrad]
- existing tilting mechanism [vorhandene Neigetechnik]: though there is <rollingstock / vehicles / vehicle / wagon / passenger / tilting>, it would probably make more sense if one was able to (simply) refer to a known catalog, e.g. by the Siemens ZUB-no. corresponding to the vehicle equipment (see e.g. https://de.wikipedia.org/wiki/Geschwindigkeits%C3%BCberwachung_f%C3%BCr_NeiTech-Z%C3%BCge#Fahrzeuge) instead of specifying all attributes of the tilting mechanism.

Many thanks in advance for your help!

Kind regards
Ruediger Ebendt