Subject: [railML3] Insulated Electrification Sections
Posted by Dominik Looser on Thu, 08 Jun 2023 07:35:37 GMT
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Dear community

Our customer would like to model insulated electrification sections in railML3 and we are thinking about using the existing <electrificationSection>-element and its subelements.
One type of electrification section is called "Electrification Section Insulator" (mostly used in stations) and the other one is an "Electrification Section Break" that has a length extent.

How could we - as specific as possible - model this in railML3? Our idea is to use the subelement <phaseSeparationSection> for Electrification Section Breaks.
Does anyone have input on what the <phaseSeparationSection> is meant for and how to model these types of insulated sections?

Thank you and best regards,
Dominik Looser

Subject: Re: [railML3] Insulated Electrification Sections
Posted by Jörg von Lingen   on Sat, 09 Sep 2023 12:51:27 GMT
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Dear all,

I would use subelement <phaseSeparationSection> for modelling of Electrification Section Breaks (de: Schutzstrecke). There needs to be an <electrificationSection> defined for the overall electrified line. An additional <electrificationSection> uses child <phaseSeparationSection> with the position, length and flags, whether it is insulated (power off) or earthed. This shall look like the attached example.

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File Attachments
1) electrification.xml, downloaded 80 times