
Subject: Re: Use railML to model parts of a large network
Posted by [Larissa Zhuchyi](#) on Fri, 29 Sep 2023 12:49:43 GMT
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Dear all

railML.org and its partners actively developed approaches to split and connect the railway network this year. The intermediate result is two approaches: placeholder and connector published in a paper at the conference [1].

railML.org partners (Siemens, Thales, PSI Transcom GmbH) have also proposed their own approaches: intrinsic coordinate, splitting of functional infrastructure elements, etc.

Currently, the connector approach of [1] is being implemented and somehow worked to split and connect railway lines for routes that combine them. However, during the meeting of the NEST working group, it happened that there is a reverse task to split the railway network into lines.

The planned result of the development process is a set of guidelines published at wiki unifying splitting and connecting infrastructure.

Thus, please provide some example data and use cases for splitting (input, desired output, e.g. we have a network in one file but want to have a single line per file) to generalise the developed tool (future guidelines).

This request is related to both railML2 and railML3 users as a tool is closely related to the railML ontology development process [2] i.e. allows for splitting railML2 files after their transformation to railML3.

[1] https://www.dlr.de/fs/Portaldata/16/Resources/dokumente/berichtsreihe/Volume_40_5th_SmartRaCon_Scientific_Seminar_2023.pdf#page=176

[2] <https://www.railml.org/en/public-relations/news/reader/railml-ontology-subgroup-started.html>

Summarising all the above there is an ongoing development of guidelines to split and connect infrastructure and railML.org kindly asks you to provide your use cases.

Sincerely,
