Question railML-Modelling of Mileage Changes

V01 from 2021-08-24



Describing the figure above via railML 3.2-beta1, it results in the following railML text (extraction only with focus on the modelling of the mileage change (kilometer jump at the point P02 at siding track only):

<u>QUESTION:</u> How can software tools know, at which track (main track or siding track) the kilometer jump should be placed?

NOTE: Because the ETCS system is based on exact measurement (e.g. the description of a movement authority [MA] length is possible with accuracy in [cm]), this problem occurs at every "circle structure" of the node-edge-model.

Therefore very often double track lines are affected by mileage changes due to measurement results:



Remark: It seems that a reference from the anchor element to the affected netElement (and/or vice versa) could maybe solve the problem. Other option could be to delete the anchor elements from element "linear PositioningSystem" and to create the anchor element(s) as optional subelement(s) of a netElement. Possibly other options could solve the problem, too.

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