Subject: Feedback from 1st railML 3.1 Workshop 09./10.01.2018 - intrinsic coordinates

Posted by christian.rahmig on Wed, 07 Feb 2018 21:18:47 GMT View Forum Message <> Reply to Message

Dear RTM colleagues,

on January 9-10, 2018 the first railML 3.1 Workshop took place in Berlin. The aim of this workshop was to collect feedback on the beta version of railML 3.1 that has been released in Octobre 2017. As railML 3.1 is based on RailTopoModel V1.1 (November 2017) one question that has been raised deals with intrinsic coordinates to be forwarded to you:

Intrinsic coordinates are used to define a relative position of a NetEntity between 0 and 1 within the topological network. This attribute is used for all types of locations, e.g. <spotLocation> and linearLocation>.

Examples in railML 3.1 beta:

The problem:

The intrinsic coordinate is usually not the "leading" positioning information in data base exports. Instead, it is being calculated on the basis of mileage or meter positioning values and thus represents a "derived" value. The conclusion of the discussion was the statement that for the data exchange intrinsic coordinates are not of interest. Instead, it may be calculated by the importing system based on the positioning information from the input. Thus, it was suggested to make the intrinsic coordinate for all NetEntities optional for the data exchange format since the information seems to be redundant. The concept of intrinsic coordinates in general and within internal data models is

not questioned by this discussion.

Questions resulting from the discussion:

- * Can UIC please provide a more detailed documentation of the whole topic of intrinsic coordinates? Is there something more specific available than in [1]?
- * What do you think about the proposal above to having intrinsic coordinates in the data exchange scheme only optionally? If considered positively, when will such a modelling change be implemented in RTM (V1.2?)?

[1] http://wiki.railtopomodel.org/index.php?title=Object_positio ning_in_the_network

Thank you very much and best regards Christian Rahmig

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