
Subject: Infrastructure data for a train path finding tool - #2, microscopic view

Posted by [Rüdiger Ebendt](#) on Wed, 29 Jul 2020 12:08:23 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi everyone,

this is again from Ruediger Ebendt, staff at the Institute of Transportation Systems, German Aerospace Center (DLR). This post addresses the same use case as in my previous post (<https://www.railml.org/forum/index.php?t=msg&goto=2507>), but looking at a different level.

Some of the pieces of data we need to represent in railML2.4 (for the purpose of an import interface of a train path finding tool) belong to a microscopic view on the infrastructure (maybe, some of these even belong to interlocking instead of infrastructure). These pieces of data are (original German terms in square brackets):

- train control system (i.e. ETCS, LZB): begin, block sign, end, clearing point [Zugsicherungstechnik: Anfang, Blockkennzeichen, Ende, Zugschlussstelle]
- route (including an exact description of all negotiated route elements, exclusions and of the overlap) [Fahrstraße (inkl. einer exakten Beschreibung der befahrenen Fahrwegelemente, der Ausschlüsse und des Durchrutschwegs)]
- route clearing point [Fahrstraßenzugschlussstelle]
- overhead line section [Oberleitungsschaltgruppe]
- signal clearing point [Signalzugschlussstelle]
- operational procedures (e.g. direct traffic control (DTC)) [Betriebsverfahren, z.B. Zugleitbetrieb]

Thank you very much for your help!

Kind regards
Ruediger Ebendt
