
Subject: Re: [railML3|alpha] Suggestion for an enhanced topology model
Posted by [Martin Karlsson](#) on Mon, 31 Oct 2016 12:21:09 GMT

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Dear Alain,

Thank you for your clarifications.

I appreciate the philosophy of separating pure topology from physical objects, and I do not suggest to change this fundamental principle, or at all to change anything in RTM. As I wrote, I was sure there were good reasons behind choosing this model, and you have clarified that further.

My suggestion is rather to add - in railML, not RTM - a second layer of information, to reflect the topology related properties of the physical objects, in particular

- dependence of relation navigability on the run time state of a physical object (i.e. the course of a switch)
- mutual exclusivity of navigable relations (in the case of diamond crossings)
- length of tracks

For sure, my suggestion is not the only way to address these issues, but they need to be addressed one way or another.
