Subject: Hi! / Timing links
Posted by Sara Gestrelius on Wed, 12 Jun 2019 16:13:53 GMT
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Hi,

My name is Sara and I an a researcher working with timetable planning. I have just started looking into railML and I have a question regarding "timing links", namely - do they exist in railML?

Part of my research is using optimization to construct timetables, and the model I use relies on minimum run-times for each link that depend on whether the train stops at any (or both!:wink: of the ends of the link. In our vocabulary, each train part belongs to a "timing load" class that is specified by important aspects for estimating the speed (e.g. train type, locomotives, weight, max allowed speed). For each track and each timing load, four minimum running times are specified, one for each of the stop patterns: "Stop" - "Stop", "Full Speed" - "Stop", "Stop" - "Full speed" and "Full speed" - "Full speed". Are these timing loads and timing links defined in railML?

Happy to be here! :smile:

Best Regards,
Sara

Subject: Re: Hi! / Timing links
Posted by Philip Wobst on Mon, 17 Jun 2019 09:08:54 GMT
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Hello Sara,

the timing links you mention are not available in railML. Only the "result" i.e. the constructed train run is relevant in railML. The data you describe is master data that probably needs to be exchanged - what systems would exchange this data?

Best regards,

Philip Wobst
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Philip Wobst
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Subject: Re: Hi! / Timing links
Posted by Christoph Jobmann on Tue, 06 Aug 2019 12:55:40 GMT
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Hello Sara,

I once had a similar problem: I needed to exchange run times for different kind of train categories. The stop pattern was not part of my considerations.
I decided to add elements "runTime" in a new namespace with attributes "duration" and "categoryRef" below the element "track" and add references to these tracks in the element "sectionTT".
For your problem a similar approach might make sense where you could add an attribute "stopPattern".

Besides that you can set the "minimalTime" in the "runTimes" element of "sectionTT", but you would have to do that for each operation control point of the train's run.

Kind regards

Christoph Jobmann
Deutsche Bahn AG