Subject: RailML semantics, nextdeparture, recurringschedule
Posted by tuomas.tiihonen on Fri, 06 May 2011 07:02:13 GMT
View Forum Message <> Reply to Message

Greetings to RailML community!

This is my first post to the forum so I will start with a introduction. I am a Software Design Engineer with strong Java/C++ programming/design background. I am currently working for Finnish company called Mitron Oy. We have headquarters in Forssa/Finland and other offices in Tampere/Finland, Mittenaar/Germany and Warszawa/Poland. Mitron focuses on passenger information, display, entertainment, announcement and security systems for trains, trams, subways, stops, stations and platforms. More information about company can be found from www.mitron.com and I am happy to answer further queries about me or the company.

Within Mitron we have ongoing discussion about RailML and I have now been studying it from technical perspective. Goal of this study is to make decision about our commitment to RailML and what our role would be.

During this technical investigation I have had some difficulties related to the semantic specification explained (or more accurately not explained) in the RailML wiki pages.

I have so many questions about the semantics, but I have to start from somewhere so here it goes:

We have thing called "Departure" which I think is close to timetable->trains->train in RailML. Our departure knows route and timetable for the route for example. Departure knows also list of possible next Departures that might come next from the terminal station of first departure. What would be the place in RailML to get that information? Is the circulations/rostering/blocks semantically identical to this? Does the block mean part of train or part of track as an example? I have tried to figure out the semantical relations of those mentioned RailML elements, but without documentation in wiki it has proved difficult.

Other thing I don't quite get, even though it is mentioned in wiki is relation between operatingpediod->operatingday->operatingcode->bitmask and operatingperiod->bitmask and operatingdaydeviance and holiday and specialservice. Which one overrides which? Why there are period bitmask separately from week bitmask and then deviances and holidays?

What is ocpTT->sectionTT->distance. Distance from where to where? Is this in relation to infrasructures track->tracktopology->trackBegin/trackEnd->pos -attribute? If I would like to know distance of two stations along the track/line what is the correct place?

With Kindest Regards,
Mr. Tuomas Tiihonen

--
----== posted via PHP Headliner ==----