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Subject: Re: Blockparts: emptyRuns, depotRuns  
Posted by on Tue, 19 Nov 2013 15:33:34 GMT  
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Dear Andreas and "along-readers",

- > the wiki page on <blockPart>s is inconsistent.
- > - It says that for missions fullRun, emptyRun, <trainpartref> must not
- > be used, but a "note" on the bottom of the page says the opposite for
- > emptyRun

I think it is not inconsistent but capable of being misunderstood: The "note" on the bottom of the page does not say the opposition for \_the enumeration value\_ "emptyRun" but for one of two possibilities to express an empty run in general.

- There are two possibilities to express empty runs (in general) as the note of Joachim says.
- The enumeration value "emptyRun" is to be used only if the attribute /trainpartref/ is not existing. This is the second possibility ("loosely planned").
- The other way is an empty run "planned in all details in the timetable". This must have the /trainPartRef/ attribute and therefore the /mission/ = "timetable".

- > Is a depotRun a trip to a depot? Then I would think that it is a run,
- > and start and end will be different.

I think we can clarify this in the meaning of the footnote written by Joachim: Everything (each <blockPart>) with the attribute /trainPartRef/ shall have the /mission/ = "timetable". (This should be an easy signalling to the parser to look for the /trainPartRef/ attribute.) So, the /mission/ = "depotRun" is away for the runs with timetable ("planned in all details"). It is still usable for "loosely planned" runs. You can use it for a trip to a depot (if "loosely planned") as well as for a trip inside the depot (something like shunting). There is so far no further definition in RailML.

--> I suggest to extend the formulation "A duty which is not a run" by "...or which is a run 'loosely planned'". If nobody contradicts I will do this change in some weeks.

- > Also, shouldn't, instead of start and end ocps, rather <ocpts> be used
- > for those missions that are runs? Referencing a trainPart I think is not
- > optimal, because so far they are always used in connection with a train,
- > and we don't have a train for those runs.

There should not be references to trainParts in <blockPart>s which have

/start/endOcpRef/.

There cannot be references to <ocpTT>s because <ocpTT>s are sub-structures of <trainPart>, and since we have no <trainPart>s for such <blockPart>s, we also have no <ocpTT>.

The <ocpTT>s of the "surrounding" trains cannot be references because depending on the operation day, these could be different "surrounding" trains around a duty such as "refuel". Additionally, two or more such duties without <trainPart>s could follow: A "refuel" can be followed by "shunting" can be followed by "pre-heating".

Please look at the examples for more information.

- > Finally, it would be nice if we could clarify the semantics of shunting,
- > emptyRun, fullRun and depotRun.

I guess the footnote of Joachim aimed to do so. We could write more on this but before I would like to "hear" (read) the opinion of Joachim. My suggestion is to add two examples (directly on the Wiki page) on a "loosely planned" and a "timetable planned" empty run, full run, and depot run and a (of course non-timetable planned) shunting.

Best regards,  
Dirk.

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