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Subject: Blockparts: emptyRuns, depotRuns

Posted by [Andreas Tanner](#) on Fri, 25 Oct 2013 15:28:04 GMT

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Dear all,

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

- The English text says that depotRun is "not a run", in the German text this mission type is missing.

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

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.

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

Best, Andreas.

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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 <ocptts> 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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