
Subject: Re: The correct use of trackRef under sectionTT

Posted by on Mon, 09 Mar 2020 11:20:20 GMT

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Dear Torben,

> For a macroscopic model with only a main track with or without station tracks there is no alternate path to choose from. So, do not use <sectionTT> as it does not give any added value.

I don't agree. We still use <sectionTT> in a macroscopic model

- to encode the line in case of parallel lines (attribute @lineRef),
 - to encode the line-side track in case of double-track lines (sub-element <trackRef>),
 - to encode the run times (sub-element <runTimes>),
 - to encode the run time supplement (attribute @percentageSupplement)
- and more.

- > In the seldom case that there exist two lines between two
- > OCP's with no intermediate OCP in between...

This is by far not a seldom case in Germany and other countries. How many examples should I describe...? ;-)

> ...unambiguous definition of the path of a sectionTT...

I am afraid I doubt that there will be an unambiguous definition by railML in general since we've learned the definition of what is a "station" is highly controversial. May be we can clarify it by some use cases of railML, ok.

For instance, in your example sketch, I see the following possibilities:

- a) No description of the route in station B in a macroscopic model (as you mentioned it),
- b) Station B is split into several (two) <ocp>s for timetabling,
- c) Encode the detailed way through station B by using a route identification at <ocpTT>.@trackInfo.

Solution (b) may sound strange, but this is a very common solution for that problem for instance in Germany and other countries.

I want to point out that, in my opinion,

- <sectionTT>.<trackRef> is only intended to encode the track between stations (<ocp>s) - not the tracks inside stations. That's why it is located at <sectionTT> - everything at <sectionTT> should concern the section between stations (<ocp>s).
- the route inside stations (<ocp>s) must be described, if necessary, by other attributes or elements - for instance <ocpTT>.@trackInfo or some more precise, standardised solution of future railML.

Best regards,
Dirk.
