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Subject: Extension suggestion for alternativeSectionTT  
Posted by [Torben Brand](#) on Thu, 20 Feb 2020 12:03:12 GMT  
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Dear TT community,

For the use case TT:LongTermStrategicTimetabling, TT:ATimetableForACompetition, TT:SlotOrdering we would like to indicate the alternative paths to be available for a train or pattern/template train of a train group to be used if the planned path is not available. This being in a simulation, short term scheduling, dispatching decisions or data preparation for long term planning.

We suggest adding an extension in railML2.4 for Norwegian sector purposes, and if the community thinks this is beneficial to add the new element in railML2.5.

The proposed solution is to copy the element <sectionTT> with all attributes and sub elements, with the new name <nor:alternativeSectionTT>. Placement would be parallel to <sectionTT> under <ocpTT>.

We will add one extra attribute @rank to indicate the rank between the different elements, if more than one <nor:alternativeSectionTT>.

For info on @rank see separate forum posting:

[https://www.railml.org/forum/index.php?t=msg&th=691&goto=2332&#msg\\_2332](https://www.railml.org/forum/index.php?t=msg&th=691&goto=2332&#msg_2332)

nor:alternativeSectionTT@rank has a semantic constraint of the value 2 or higher. This as <sectionTT> is always @rank="1".

What does the community think?

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