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Subject: [railML 3] New semantic constraint for trainVariant

Posted by [Milan Wölke](#) on Mon, 13 Mar 2023 16:22:32 GMT

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Hi all,

in the last few timetable developer group meetings we have been discussing another semantic constraint in order to help understanding the new timetable model and in order to improve data exchange. This time it is focused on the operationalTrainVariant as well as the commercialTrainVariant. We propose for both of these to define the following semantic constraint:

Quote:

When calculating which <commercialTrainVariant> of a <commercialTrain> is valid on a particular day always a maximum of one active <commercialTrainVariant> shall be the result. If the result is more than one <commercialTrainVariant>, all except one shall be marked as <isCancelled> or <isOnRequest>.

The above wording exists in the same way for the operationalTrainVariant.

From our point of view this should help make it clear how to export and how import a railML 3 timetable. What do you think? Do you have use cases in mind where this semantic constraint would be a burden?

Best regards, Milan

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