Subject: Re: [railML2] Extension proposal: pattern trains, distributions and slots
Posted by Thomas Nygreen on Tue, 23 Feb 2021 05:39:12 GMT
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Dear all,

I have updated the patternTrain implementation, including changes after feedback from the community:
same names for descendants of patternTrainPart as trainPart
same <times> for patternTrainPart as trainPart (but not allowing scope="actual")
removed @numberOfTrainsPer* from patternTrain (always use distributions)
moved @interval from patternTrain to distribution/slot
removed default for slot/@startTime and made slot/@duration and slot/@numberOfTrains required
added reference OCP for distribution

As before, the schema files are available in the patternTrain branch in the SVN repo, along with HTML documentation. The change log can be browsed in Trac if logged in, or using your favourite SVN client.

I have now also added two very simple examples. The first one shows a few options for how to use <distribution> and how to link a patternTrain with the individual resulting trains. The second example shows two patternTrains operating on the same line, one as a regular service and one shorter express service only during rush hours. This second file has no individual trains.

I had thought the easiest way to link the two patternTrains together, to form one service with an increased frequency during rush hours, would be to use trainGroups with the proposed @parentRef attribute. However, a trainGroup must have at least one (individual) train. One option is to also have a @parentRef on patternTrain, to allow a hierarchy of pattern trains. I see another option, which is to move @distributionRef from patternTrain to patternTrainPart, to work in a similar manner as @operatingPeriodRef for normal trainParts. Then both patternTrainParts can be referenced from the same patternTrain.

I welcome any and all input!

Best regards,
Thomas