
Subject: Re: [railML2] Extension proposal: pattern trains, distributions and slots
Posted by on Fri, 08 Jan 2021 18:36:58 GMT

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Hello all,

I agree with Milan. In my opinion, the train parts referenced by `<patternTrain>`s should be a separate XML class, apart from the existing `<trainPart>`s.

If the existing `<trainPart>` were to be reused, we would have to document very extensively which attributes may be used in which use case and what their meaning is in each context.

By creating a separate class, we can provide for the new "`<patternTrainPart>`" exactly the attributes that are needed.

Another argument is that there are implementations of railML readers that are initially only interested in the `<trainPart>`s (not trains) of a railML file. If a railML file contained both "classic" `<trainPart>`s and new `<patternTrainPart>`s, it would be difficult to decide which type of `<trainPart>` it was.

As with Thomas' suggestion for modelling the `<patternTrain>`, I would prefer to create a common (internal) base class for the existing `<trainPart>` and the new `<patternTrainPart>` to reuse as much of the modelling as possible.

Best regards
Christian

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