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Subject: Train Turnback Association

Posted by [Fabrizio Cosso](#) on Wed, 09 Sep 2020 15:02:25 GMT

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Dear all,

this is my first post in timetable forum: nice to meet you.

I'm looking for a way to describe turnback association between trains using timetable domain. I mean a train (trainA) that goes to an ocp and then depart from there as a new train (trainB). Is there a way to explicitly describe this association?

I figured out different options but I'm not sure if they are valid and which is the best one.

1- make usage of rostering

2- make usage of trainGroups

3- make usage of connection in last ocpTT

Thanks

BR

FABrizio

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Subject: Re: Train Turnback Association

Posted by \_\_\_\_\_ on Mon, 14 Sep 2020 11:04:25 GMT

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Dear Fabrizio,

welcome in the railML forum and thank you for your contribution.

The "turn-back association" of a train is a link between two train parts in a circulation:

- The direction does not necessarily need to turn.
  - In general, a train can consist of more than one vehicle, which may go to different "trainB"s.
- Therefore, the link is defined between train parts, not trains. In case all the formation is linked from trainA to trainB, it may consist of only one train part.
- In general, the link may (and will) be different for different operating days; therefore we use circulations. <trainGroups> would not do for different different operating days; <connections> in last <ocpTT> could do in a certain way, but since a circulation also may include information on cleaning, refilling, maintenance etc. of vehicles, rosterings are the state-of-the-art solution therefore.

So, your option 1 - rostering - would be the right one.

You can find some examples for instance in our documentation at [1]. If you have certain questions, I could send certain specific examples.

[1]

<http://www.support.irfp.de/schnittstellenbeschreibung.html>

<http://www.support.irfp.de/dokumente-und-beispieldateien.htm> I

<http://www.support.irfp.de/technische-hinweise-fuer-entwickler.html>

With best regards,  
Dirk Bräuer,  
Leading developer of iRFP, founding member of railML.

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Am 09.09.2020 um 17:02 schrieb Fabrizio Cosso:

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