

Dear Fabiana,

Am 12.07.2019 um 18:24 schrieb Fabiana Diotallevi:

```
> [...]
> In particular, if we consider the netRelation joining
> netElements ne_02 and ne_03 (upper and lower central
> tracks), both of the following relations could be exported:
>
> <netRelation id="nr_0203" positionOnA="0" positionOnB="0"
> navigability="None">
>     <elementA ref="ne_02"/>
>     <elementB ref="ne_03"/>
> </netRelation>
>
> <netRelation id="nr_0203" positionOnA="1" positionOnB="1"
> navigability="None">
>     <elementA ref="ne_02"/>
>     <elementB ref="ne_03"/>
> </netRelation>
>
> There is no way to decide which one is the preferred one,
> and I can't export both of them because they have the same
> id and railML does not allow for a duplicate.
>
> Is there a way to solve this problem?
```

Yes, there is a way how to solve this problem:

In railML, IDs of elements must be unique (otherwise the parser will throw an error). Further, an ID must not be used to "carry" information. The ID must only be used for file internal identification (and referencing). Thus, the ID "aqwzdzq278fcas" is an even better ID than "nr_0203". However, for purpose of understanding, the Simple Example uses "readable" ID, but the used ID pattern is not mandatory. So, if I programmed your exporting interface, I would take IDs based on incrementing numbers (like a counter). Thus, although both netRelations would connect the same netElements, they would have different IDs (e.g. "e316" and "e317").

Best regards
Christian

--
Christian Rahmig - Infrastructure scheme coordinator

railML.org (Registry of Associations: VR 5750)

Phone Coordinator: +49 173 2714509; railML.org: +49 351 47582911

Altplauen 19h; 01187 Dresden; Germany www.railml.org
