
Subject: [railML3] Grouping IS:trainProtectionElement-s
Posted by [Larissa Zhuchyi](#) on Mon, 30 Oct 2023 12:15:55 GMT
[View Forum Message](#) <> [Reply to Message](#)

Dear all

railML.org would be grateful if you could tell:

- (1) is there a need to extend railML 3.3 by a new element <trainProtectionElementGroup> (with reference attribute) or a new attribute @belongsToParent of an existing element <trainProtectionElement>?
- (2) did you find a way to group <trainProtectionElement>-s by existing (railML 3.2) elements?

Currently, the need occurs when transforming the Simple example of railML from 2.5 to 3.2: <trainProtectionElementGroup> of railML 2.5 (see source code below) is lost because of missing correspondent element and attribute in railML3.

```
<trainProtectionElements>  
  <trainProtectionElement id="tr03_tpe01" pos="3800" absPos="4300" dir="up"  
medium="magnetic" trainProtectionSystem="Indusi"/>  
  <trainProtectionElementGroup id="tr03_tpeg01">  
    <trainProtectionElementRef ref="tr03_tpe01"/>  
  </trainProtectionElementGroup>  
</trainProtectionElements>
```

As "Simple example" is just a learning material, railML.org wonders whether <trainProtectionElementGroup> is needed in practice.

Thanks in advance.

Sincerely,
