Subject: Re: Multiple train protection systems
Posted by christian.rahmig on Mon, 14 Jan 2019 15:23:57 GMT
View Forum Message <> Reply to Message

Dear all,

more than eight years ago we took notice of the problem that we cannot model overlapping / multiple train protection systems along a track:

Am 19.04.2010 um 15:43 schrieb Susanne Wunsch:
> [...]
> How do you define multiple active train protection systems on a track?
>
> <!-- PZB -->
> <rail:trainProtectionChange id="tpc0" pos="0"
>   monitoring="intermittent" medium="inductive"/>
> <!-- LZB -->
> <rail:trainProtectionChange id="tpc1" pos="500"
>   monitoring="continuous" medium="cable"/>
>
> Normally, the new *Change entry stops the previous similar entry.
> That means, from pos=500 upwards there is _only_ LZB, no PZB.
>
> How do you define this issue?

With upcoming railML 3.x, we finally can solve this problem: Each <trainProtectionElement> instance has its own (linear) location and these locations may overlap. So, if you want to define a track being equipped with PZB and LZB (see example above), just define two <trainProtectionElement> instances with overlapping locations.

Consequently, Trac ticket #80 [1] can finally be closed.

[1] https://trac.railml.org/ticket/80

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