
Subject: Re: SpeedChange : Protection system reference
Posted by [Carsten Weber](#) on Wed, 24 Oct 2012 15:32:00 GMT
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"Susanne Wunsch" <coord@common.railml.org> schrieb im Newsbeitrag
news:m14nlklz6n.fsf@cygnus.heep.sax.de...

> Dear Christian, Dirk, Pierre and others,

>

> Christian Rahmig <coord@infrastructure.railml.org> writes:

>> I added the request for an (optional) reference from a <signal> to a

>> <trainProtectionElement> as a comment to trac ticket [1].

>>

>> [1] <https://trac.assembla.com/railML/ticket/173>

>

> That's only one part of the idea.

>

> There are also speed changes that are ensured by train protection

> elements, such as PZB-magnets. [1]

>

Ok.

> Sure, not all speed changes have such restrictions, it should be an

> optional addition to the current <speedChange> element.

Ok.

>

> Moreover there should be more than one such a reference to different

> <trainProtectionElement>s. The Germans use up to three magnets for one

> speed aspect. [1]

>

> [1] https://de.wikipedia.org/wiki/Geschwindigkeitspr%C3%BCfabsch_nitt

(GPA) can also be caused by special situations inside of a station (e.g. missing overlap). It is also possible to have several GPA for one speed aspect if you need to check speed several times (e.g. S-Bahn-Tunnel in

you need more than one link between a speedChange and a train protection element. So in case of an GPA which "Magnet" should be linked? Or if you do it with balises or some thing else which might exist as a balise group and only a single balise? In such a case you need another structure for train protection elements. Otherwise the reading program has to guess whether the three magnets you linked are single magnets or a GPA. There should be a grouping element (= balise group, GPA, ...) which is linked from a speed aspect and some train protection elements which are linked to the grouping element.

For me it is not usefull to have such a link between speed changes and train

protection elements. There should be a tool which checks the speed steps and searches for a required train protection grouping element and checks the distances and all the other things around.

Best regards.

Carsten
