
Subject: Re: SpeedChange : Protection system reference
Posted by on Thu, 05 Jul 2012 13:47:26 GMT
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Dear Pierre and Christian,

we should not try to implement all cables or such which are in practice in the RailML or at least in Infrastructure scheme of RailML. Rather, we should as ourselves which function such a cross-reference should provide:

If there is a real and general function, we should implement the link. If there is no objective or general function, we should leave it as a special local case for adoption in local sub-schemes of RailML.

We should also consider the actual case as a property of RailML Interlocking Scheme.

In my opinion, the speed change sign and the <trainProtectionElement> have independent functions. (Of course they have the same origin or reason why they are there but: If there would be a speed change without <trainProtectionElement> or vice versa, each one would have to function alone.)

Both should be implemented as single elements may be with the same position (meter). A reading software can possibly expect that there should be a <trainProtectionElement> at or near the position of a <speedChange> but there is no `_general_` (internationally accepted) necessity for that.

But if you decide to make that cross-reference anyway, as an optional attribute - what objection should one have?

With best regards,
Dirk.

Am 05.07.2012, 06:12 Uhr, schrieb Christian Rahmig
<coord@infrastructure.railml.org>:

> Hello Pierre,
>
>> In the Belgian railway, the speedChanges could be equipped with a
>> protection system (crocodile).
>>
>> We suggest to add a reference from <speedChange> to the
>> <trainProtection>
>> element.

>>
>> [de: Es wird ein Attribut benoetigt, welches vom <speedChange> zum
>> <trainProtectionElement> (BE: 'Krokodil' / DE: Gleismagnet) verweist.]
>
> This reference from a <speedChange> to a <trainProtectionElement> is a
> useful innovation, which may be implemented with railML 2.2, because the
> reference attribute will be optional. However, is it really the
> <speedChange> that needs to refer to the <trainProtectionElement> or is
> it the signal, which is connected to the magnet or the Belgian crocodile?
>
> Any comments appreciated...
>
> Regards
>
> ---
> Christian Rahmig
> railML.infrastructure coordinator

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