Subject: Re: [railML3.1] TrainDetectionElement and TrainDetectionElementSection
Posted by Joerg von Lingen on Sat, 20 Oct 2018 03:41:50 GMT
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Dear all,

please note the view from interlocking side:

<TrainDetectionElement>
It is an element on the track with a definitive position but without length. It can be a axle counter detection point, a wheel sensor or an insulated rail joint. It is NOT an entire track circuit.

<TrainDetectionElementSection>
First it seems to be a duplicate to the functional item <TvdSection> we have in the interlocking part.
A TVD section is a part of a track (with length) used to detect whether there is any rail vehicle in it. It is clearly delimited by detection elements or end of tracks (buffer stop).

Best regards,
Joerg v. Lingen

Interlocking Coordinator
On 15.10.2018 12:56, Christian Rahmig wrote:
> Dear Fabrizio,
> dear all,
>
> the original idea behind this separation was:
>
> TrainDetectionElement
> ... is exactly one element, e.g. one track circuit, covering a certain area.
>
> TrainDetectionElementSection
> ... describes an area, where a specific train detection system has been
> installed, e.g. track circuits, without mentioning a number of elements.
>
> In your special case, I would choose the TrainDetectionElement, because you
> describe one single track circuit, right?
>
> If you think, that such a separation is not needed for the model, we may think
> about adapting the model. Please keep in mind, that the IL schema needs a train
> detection element (axle counter or track circuit border) as element with
> explicit position.
>
> @all: any comment is highly appreciated...
>

> Best regards
> Christian
>