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Subject: Re: [railML3.1] TrainDetectionElement and TrainDetectionElementSection  
Posted by [christian.rahmig](#) on Mon, 15 Oct 2018 10:56:58 GMT

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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

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Am 09.10.2018 um 11:17 schrieb Fabrizio Cosso:

- > Dear all,
- > I need some clarifications on TrainDetectionElements representation.
- > What's the meaning of TrainDetectionElementSection?
- > In particular, I'm interested in modeling trackCircuits:
- > it is not clear to me what is the difference between a
- > trainDetectionElement of type trackCircuit and a
- > TrainDetectionElementSection of type trackCircuit. My understanding
- > looking at the model was to use
- > areallocation to describe which part of topology were covered
- > by track circuits but probably you are describing them a

- > differently. May you help me understanding?
  - > The example is:
  - > I have 3 networkElements with a switch in the middle. The
  - > trackCircuit extension is indicated by the === symbol.
  - > How to represent it?
  - >           ne2
  - >       //=====----->
  - > ne1 // ne3
  - > ----->=====----->
  - >
  - > Thanks
  - >
  - > BR
  - >
  - > Fabrizio
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