Subject: Re: Include track length information in topology
Posted by Martin Karlsson on Mon, 15 Oct 2018 12:50:02 GMT
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I am pleased to see this suggestion included in version 3.1b2. However, it has not been done quite consistently. Some elements introduced in the previous approach towards this problem (as per forum post referred in the main post) have been left in the model, resulting in redundant information.

Classes SpotLocationOnTrack and LinearLocationOnTrack should be removed, along with references from class Entity to them (trackPosition and trackSection respectively).

TrackNode class should also be removed, with the consequences that
- child classes Switch, BufferStop, Border and Crossing need to be reparented from FunctionalInfrastructureEntity
- relations from Track class should be removed, i.e. trackBegin and trackEnd
- "use" relation from Track class should be removed from diagram railML3_IS_FunctionalTypes (the diagram should also be renamed to better reflect the remaining information in it)
- the whole diagram railML3_IS_Functional_Track-and-Tracknode should be removed

Another minor observation is about the naming of the new attributes, related to physical length, in class RTM_AssociatedNetElement. They are now called fromPos and toPos, whereas my suggestion was posBegin and posEnd. The difference may be insignificant, but since the corresponding intrinsic coordinate attributes are called intrinsicCoordBegin and intrisicCoordEnd, I think my suggestion makes the connection between the two positioning views clearer.