
Subject: Re: [railML3] meaning and purpose of speedSection.isTemporary is unclear

Posted by [christian.rahmig](#) on Mon, 13 Jun 2022 22:08:54 GMT

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Dear Jorgen,

thank you very much for bringing up this question about the time dimension of speed restrictions. The idea, to model a TSR using the element `<speedSection>@isTemporary="true"` sounds good and I am happy about any practical example that could be added in our wiki.

But what about the potential overlapping with "isValid"?

The child element `<isValid>` comes from the RailTopoModel and therefore it is available for all functional infrastructure elements (because they derive from RTM class NetEntity). The element `<isValid>` contains two attributes - `@from` and `@to` - which refer to dates (xs:date).

Apart from this, there exists the view `<infrastructureStates>` inside domain `<infrastructure>`. An `<infrastructureState>` defines the state using attribute `@value` (e.g. "operational"). This state can be linked with a time dimension using the child element `<validityTime>`.

The task for us in one of our next working group meetings should be to clarify which approach to use for which purpose. Until then, any comment is highly appreciated...

Best regards
Christian
