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Subject: infrastructure "state"

Posted by [christian.rahmig](#) on Thu, 28 Jun 2018 06:46:49 GMT

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Dear all,

the state of infrastructure becomes more and more important for several use cases and therefore requires an appropriate model implementation in railML, too.

I would like to ask for your feedback on the following ideas related with the infrastructure state:

1) operational view:

Infrastructure can be "available" or "not available" for operation.

Instead of "available" one could also use the term "valid". In any case, the time reference (when is the infrastructure not available?) important.

2) asset life-cycle view

An infrastructure component is being "planned", then "manufactured" or "constructed", then being put "in operation", after some years "disabled", in between maybe several times "under construction", and finally some day "removed" or "dismantled".

Despite the time, also the place is relevant here, because an infrastructure component (e.g. switch) can be installed at different locations in a track network during its lifetime.

3) functional view

In railML 3.1 we define "functional infrastructure". Based on what I wrote in 1) and 2) I consider the operational view to be identical with the functional view. Do you agree?

Are there further views that I forgot to introduce?

Are there further states in these views that I forgot to mention?

Any comments are highly appreciated with regards to bringing them into railML 3.1 beta2.

Thank you very much and best regards  
Christian

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