
Subject: Re: Meanings of "disabled" (Re: Mapping of availability periods of the infrastructure by TT:operatingPeriod)

Posted by [christian.rahmig](#) on Mon, 18 Jun 2018 07:35:38 GMT

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Dear Christian and Tobias,

Am 23.05.2018 um 09:10 schrieb Christian Rößiger:

> [...]

> However, the purpose of the disabled attribute is also unclear to me. If
> you assume that an infrastructure element without <state> element is
> always available, you can only define restrictions with the <state>
> element, i.e. it only makes sense to use "disabled=true". However, if
> the infrastructure is not available by default, only "disabled=false"
> may be used. The attribute "disabled" is therefore completely
> unnecessary in this form.
> I therefore take a very positive view of proposals for a more
> comprehensible implementation.

I had a look at the implementation in railML 2.3 and my understanding of the topic is the following one:

- * The attribute <state>@disabled is used to mark an infrastructure element not being available for operation (no matter for which reason)
- * In practical usage, we assume that modelled infrastructure is available for operation --> "default value" of <state>@disabled would be "false".
- * The attribute <state>@disabled is used to explicitly mark infrastructure elements not being available (@disabled="true").

For railML 2.x I suggest to keep this implementation except there are users who urgently need to have some changes implemented related to the <state>.

My proposal for railML 3.x would be to change the <state> modelling: Instead of the boolean parameter @disabled I prefer having an enumeration value with different types of states. For example, infrastructure element can be

- * planned
- * underConstruction
- * inOperation
- * removed
- * disabled

Do you have any further states in mind?

Best regards
Christian

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