
Subject: Re: Extension suggestion for <upTime>
Posted by [christian.rahmig](#) on Wed, 26 Feb 2020 20:58:10 GMT
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Torben Brand wrote on Mon, 17 February 2020 15:06Dear railML-community,

For the Norwegian railway sector, we are looking for a way to model an ocp, that is unmanned on certain timely restrictions. The restrictions we would like to model are specific days, for example Saturdays or public holidays.

The element <upTime> (<https://wiki2.railml.org/index.php?title=IS:uptime:wink>: makes it possible to state that an ocp is unmanned with @mode="unmanned". But it doesn't give us the possibility to restrict this property to certain days, but only certain times in a day with @from and @until.

The element <propOther/states/state> on the other hand would give us the option to refer to an operating period via @operatingPeriodRef and thus makes it possible to model restrictions for certain days (in the sub element <operatingDay>).

We would like to propose a solution to extend the element <upTime> with the time attributes of <state>: @operatingPeriodRef and @endDayOffset. The existing attributes @from and @until seem to be semantically equivalent to @startTime and @endTime. So, we suggest keeping them as is, but to change their semantic constraint from mandatory to optional.

Dear Torben, dear all,

the current implementation of <ocp><propOperational><uptime> is not usable for regular/repeating time patterns as described by you. Your proposal to add an attribute @operatingPeriodRef as it is already available in <ocp><propOther><states><state> sounds reasonable.

However, for version compatibility reasons (within railML 2.x), we are not able to set <uptime> attributes @from and @to from mandatory to optional. Further, I see a semantic overlap between the usage of <ocp><propOperational><uptime> and <ocp><propOther><states><state>. I would like to solve this potential conflict by clarifying the current practical usage of both elements. Therefore, any feedback from the community is very much welcome.

Thank you very much and best regards
Christian