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Subject: Extension suggestion for <upTime>

Posted by [Torben Brand](#) on Mon, 17 Feb 2020 14:06:57 GMT

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Dear 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>) 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.

Furthermore, we are looking for a description of the value "off" in <upTime>@mode. What does this value stand for?

What does the community think?

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