

Hello Susanne, Dirk and anyone interested,

>>> [minimum percentage of brake power]
>>>
>>> At some railway infrastructure companies the minimum percentage of
>>> brake power can't be directly calculated by means of physics. It is
>>> somehow defined by some legal body.
>>>
>>> Therefore we would suggest an additional attribute
>>> "minimumBrakePercentage" for this value in the <speedProfile> element.

>> A more proper solution would be:
>> There is a "minimumBrakePercentage" for each section of a speed
>> profile between two places where trains can start or end
>> (i. e. between two stations).
>
> How about putting this attribute into the "speedChange"?
>
> For sure, it messes up the code. :-(
>
> But this allows for defining "sections of speed aspects" instead of
> "lots of quite equal speed profiles".

If the attribute "minimumBrakePercentage" is directly coupled with the speed information and only used for speed profile purposes, I agree to somehow implement it in connection with the <speedChange> element. But if we can think of other usages of the "minimumBrakePercentage" information, i prefer to put it in an extra element outside the <speedProfile>.

Therefore my question to everyone: Are there any other applications for the "minimumBrakePercentage" information, which are not connected to the speed of the train?

>> At least, for completeness: If we add a "minimumBrakePercentage" to
>> <speedProfile> we also have to provide them with a brake type and a
>> brake switch position (rail:tAirBrakeApplicationPosition). The same
>> brake percentage can mean totally different braking power depending on
>> the brake position (G or P,...).
>
> Thanks again. That's a good point we should forseen.

At the moment, within the ongoing implementation of trac ticket [1] for railML 2.2, we only defined the new attribute "minimumBrakePercentage"

of type "tBrakePercentage" for a <speedProfile>. Depending on the comments on my above question, I would add the further attributes mentioned there.

[1] <https://trac.assembla.com/railML/ticket/41>

Regards

--

Christian Rahmig
railML.infrastructure coordinator
