Subject: Re: speed profiles and braking percentages
Posted by   on Tue, 02 Oct 2012 18:17:12 GMT
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Dear Christian,

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

To avoid a misunderstanding: The "minimumBrakePercentage" _depends_ on the
permitted speed! In one section of line, you have _many_ minimum brake
percentages - one for each possible permitted speed (normally from 20 km/h
until the maximum permitted speed in 5 km/h steps) and for each braking
switch and for each direction.

So, it may not be possible to have "minimumBrakePercentage" information
which are not connected to the (permitted) 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).

> 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>.

Anyway - wherever you have an attribute "minimumBrakePercentage" you
must also have the connected brake type and position - otherwise nobody
can know for which trains the "minimumBrakePercentage" applies.

I would strongly recommend not to make a half solution: Either you
introduce minimum brake percentage, brake type and position or you
introduce nothing.

Since we do know that we need the minimum brake percentages in practice, I
would prefer to define all the necessary attributes now.

Best regards,
Dirk-