Subject: Logical constraints for speed profile characteristics (was: More detailed 'speed change' definitions)
Posted by Susanne Wunsch railML on Mon, 12 Nov 2012 12:07:12 GMT
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Dirk Bräuer <dirk.braeuer@irfp.de> writes:

> There are some attributes of <speedProfile> which act as conditions:
> The <speedProfile> is valid if the train fulfils the condition
> (axleLoad, meterLoad, operatingPeriodRef, nationalSystem). At least
> if there are more than one such conditions, there is the question:
> Are they linked with logical AND or with logical OR?
>
> Is the speed profile valid for the train if it has an axleLoad of more
> than xxx tons AND a meter load of more than yyy tons per meter?
> Or for if the train has an axleLoad of more than xxx tons OR a meter
> load of more than yyy tons per meter?
>
> This may be left to the documentation but it is not very easy. It
> depends at least on the attribute influence=decreasing/increasing:
> Typically, the conditions of an increasing speed profile are
> necessary (AND), and the conditions of an decreasing speed profile
> are optional (OR). To clarify this, I would prefer an attribute for
> the logical link if there is more than one condition.

I filed a Trac ticket for this issue in order to clarify it within
railML 2.2:

  http://trac.assembla.com/railML/ticket/194

Kind regards...
Susanne

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Susanne Wunsch
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