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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

Schema Coordinator: railML.common

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