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Subject: Panels in general (was: Speed Panels: types and reference to <speedChange>)

Posted by [Susanne Wunsch railML](#) on Tue, 13 Nov 2012 09:37:43 GMT

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Christian Rahmig <coord@infrastructure.railml.org> writes:

```
>>> In the trac ticket [2] I proposed the
>>> following categories and ask for your approval/denial/addition:
>>>
>>> - speed,
>
> As you mentioned in your example, it may look like this:
> <speedSignal kind="announcement" switchable="false" speedChangeRef="sc1" />
```

Quite fine. I would name it only 'speed' because it's some child element of a 'signal' element. That hint could be rolled out for all of the following examples.

```
>>> - etcs,
>>
>> * Fixed marker boards
>>
>> * light signals indicating a new movement authority (for ETCS level 1)
>>
>> * (level crossing signals), likely don't exist
>>
>> * no balises or balise groups, but they may transfer the "traditional
>>   signal aspect" as "speed restriction for a certain range".
>
> Example:
> <etcsSignal kind="execution" switchable="false" level="1" />
```

Sorry, if you tried to describe the marker boards, a marker board is not ETCS-level-specific.

```
>>> - levelCrossing,
>>
>> several kinds of signals for ringing the bell, whistle, announcing,
>> activating the level crossing ...
>
> Example:
> <levelCrossingSignal type="whistle" />
```

How about the 'levelCrossingRef'?

```
>>> - gsm,
>>
```

```
>> more general: trainRadio
>>
>> * fixed train radio signals indicating a channel
>>
>> * fixed GSM signals indicating an GSM-R-equipped area, also the
>> negation indicating a non-GSM-R-equipped area, maybe with an
>> attribute to "enter"/"leave", also used for a "radio hole"
>
> Example:
> <trainRadioSignal switchable="false" type="enter" />
```

How about a "trainRadioRef"?

Yes, we need such an element in 'trackElements' for indicating GSM-R and/or analogue train radio with specified channels/frequencies. [1]

```
>>> - catenary
>>
>> * no catenary section
>>
>> * no current section / main power switch off
>>
>> * lower pantograph section
>>
>> * additional signal (de: ICE-Schaltmerkhilfe)
>
> Example:
> <catenarySignal type="lowerPantograph" />
```

How about a 'trackConditionRef' instead of the 'type' attribute in order to reduce redundancy?

```
>> - line
>>
>> * indicating the line number
>
> Example:
> <lineSignal lineNumber="1234" />
```

Please don't repeat the elements name in the attribute: 'code' would be fine. Maybe some country uses combinations of numbers and letters for their lines.

```
>> - milepost (de:Hektometertafel)
>>
>> * indicating the mileage of a track, often fixed at a pole
>
> Example:
```

```
> <milepostSignal value="42.0" />
```

The mile post needs at minimum two values, one is printed large and one (the correction) is printed in small letters.

```
>> - braking
>>
>> * non-stopping section
>>
>> * no regenerative braking
>>
>> * no eddy-current braking
>>
>> * no magnetic-shoe braking
>
> Example:
> <brakingSignal type="nonStoppingSection" />
```

How about a 'trackConditionRef' instead of the 'type' attribute in order to reduce redundancy?

Christian, would you please summarize this thread and update the Trac ticket? [2]

[1] <http://trac.assembla.com/railML/ticket/43>

[2] <http://trac.assembla.com/railML/ticket/173>

Kind regards...

Susanne

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Susanne Wunsch

Schema Coordinator: railML.common

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