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Subject: Re: Speed Panels: types and reference to <speedChange>

Posted by [Christian Rahmig](#) on Sat, 01 Sep 2012 08:38:17 GMT

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Hello Pierre,

- > In the Belgian railway five different speed panels types exists :
- > -Announcement
- > -Origin
- > -reference
- > -End\_zone\_green
- > -End\_zone\_yellow
- >
- > An example will be provided in the next days to illustrate these types.
- >
- > It would be nice to have the <speedPanel> element in a next version of
- > railML, and with the following types
- > - announcement
- > - execution
- > - repetition

the <speedPanel> element within its container <speedPanels> is a special type of a panel and therefore implemented within the <panels> container in <ocsElements> with railML 2.2 as described in the post [1].

The definition of various speed panel types is a good extension to the panel concept. It can be either realized by defining a new parameter "speedPanelType" having the values 'announcement', 'execution' and 'reminder' or by setting up boolean parameters for each type, i.e. "announcementPanel", "executionPanel" and "reminderPanel".

Any comments about a preferred solution are appreciated.

- > In order to make the connection with the speed profile on the tracks, a
- > reference from the <speedPanel> to the <speedChange> is needed.
- >
- > [de: Es wird ein Element fuer Geschwindigkeitstafeln/Lf-Signale benoetigt.
- > Sie sollten eine Referenz zu dem entsprechenden <speedChange> haben. Zudem
- > werden obige Typen zur Charakterisierung empfohlen.]

As you correctly mentioned, speed panels may refer to actual speed changes, e.g. at a speed restriction section. I suggest a parameter "speedChangeRef" within the element <speedPanel>, which refers to the ID of a <speedChange> element.

However, this concept of referencing other elements may be applied to other types of panels as well. In particular, catenary panels may refer

to <electrificationChange> elements or levelcrossing panels can link to <levelCrossing> objects.

Regards

[1]

<http://www.railml.org/forum/ro/index.php?group=1&offset=0&thread=54&id=148>

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