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Subject: Re: Introduction of speedChangeGroups required?  
Posted by [Volker Knollmann](#) on Thu, 13 Oct 2005 11:49:22 GMT  
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On 10.10.2005 11:29, Matthias Hengartner wrote:

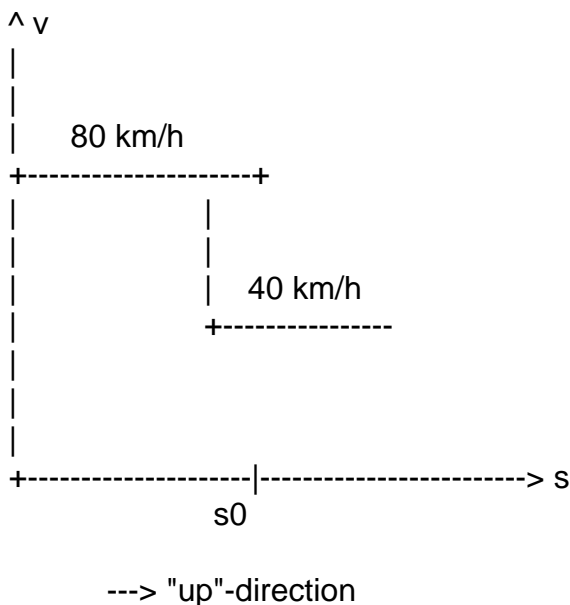
>> 2) How to keep compatibility with the version 1.0? Should the old  
>> <speedChange>-element be kept untouched?  
>

> My original idea was to leave the original <speedChange>-element and add the  
> <speedChangeGroup>-element as an additional possibility (similar to  
> signal/balise groups).

Hmmm... two different elements for almost the same purpose?

> --> Where should we place the attribute "dir"? As an attribute of  
> <speedChangeGroup> (as above) or as an attribute of the single  
> <aSpeedChange>-elements?

That points me to a slightly more general question. Image the following  
static speed profile for a train of an arbitrary train category:



Which railML-elements would you introduce at position s0?

A speed change to 40 km/h valid in up-direction?  
Plus a speed change to 80 km/h in down-direction?

A speed change to 40 km/h with implicit assumption of a speed change to 80 km/h in opposite direction? (Attention: speed changes are often not "symmetrically"!)

An extended <speedChange>-element with two v-attributes: vMaxUp, vMaxDown? This would be incompatible to V1.0, btw!

Anything else?

The more I think about this example, the more I guess we need not only a clear definition and documentation of the SYNTAX, but also of the SEMANTICS...

What do you think?

Remember: Answers to this posting in German are as welcome as answers in English! Don't hesitate to tell us your opinion!

Best regards,  
Volker Knollmann

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