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Subject: Re: trainProtection and equipmentUsage  
Posted by [Christian Rahmig](#) on Sat, 27 Oct 2012 17:12:18 GMT  
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Dear Andreas and other railML users,

>> the trainProtection element offers a somewhat rough classification of  
>> train protection equipment for tracks. On the other hand, in the  
>> timetabling scheme we have the <equipmentUsage> of a trainPart where a  
>> predefined list is offered. I think this should be harmonized.  
>  
> You are right, the trainProtection element within the infrastructure  
> scheme is still quite abstract and needs revision. Your idea is to add  
> the enumeration attribute  
>  
> tNationalSystemsType  
> (ALSEN, ALSN, ASFA, ATB, ATBEG, ATBEN, ATC, ATSP, ATSS, AWS, BACC,  
> CIR-ELKE, CIR-ELKE2, Crocodile, CSS, DATC, EBICAB, EVM120, EVM160,  
> Fahrsp, GWATP, Indusi54, Indusi60, Indusi60R, Integra-Signum, KHP,  
> KLUBU, KVB, LS, LS90, LZB, Memor, Memor2, Mirel, PZ80, PZB90, RS4c,  
> SAUTC, SAUTCM, SAUTU, SCMT, SELCAB, SHP, SSC, TBL, TPWS, TVM300, TVM430,  
> ZSI127, ZSI90, ZSL90, ZST90, ZUB121, ZUB122, ZUB123, ZUB262)  
>  
> that is being used within the timetable schema in the  
> trainProtectionElement object? Thus, the string attributes "system" and  
> "model" may become redundant.

for the implementation of this open task I created a new trac ticket  
with the following content [1]:

For railML 2.2 the infrastructure element trainProtectionElement should  
be enhanced with a new parameter "trainProtectionSystem" with the values  
of type tNationalSystemsType. The string parameter "system" is then no  
longer needed and should be marked as DEPRECATED.

[1] <https://trac.assembla.com/railML/ticket/175>

Regards

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Christian Rahmig  
railML.infrastructure coordinator

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