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Subject: Re: InfraAttributes and InfraAttrGroups

Posted by [christian.rahmig](#) on Fri, 02 Sep 2016 07:27:07 GMT

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Dear Christoph,

let me comment on your post inline:

Am 16.08.2016 um 15:24 schrieb Christoph Jobmann:

> [...]

>

> As far as I can tell the element InfraAttrGroup and thereby  
> the underlying InfraAttributes elements can only be  
> references by track elements. That makes sense considering  
> that most infraAttributes children are strongly connected to  
> tracks.

That is correct. Currently, infraAttrGroups can only be referenced from tracks.

> Are there similar elements that can be used for the elements  
> of type ocp? If not - are there plans to add them?

The problem will be solved with railML3 as it will allow to reference parameter sets (like infrastructure parameters) from any type of NetElement, even from a whole network. For railML baseline 2, such a possibility is currently missing.

> For now I see three ways to add information I would rather  
> wrap up in some kind of attribute Containers:

>

> Use the regular extension Point and add an element for  
> referencing infraAttributes Element Use the "other"  
> extension point and add references as user-defined  
> attributes or elements. Add a trackref pointing to a dummy  
> track that contains an appropriate attributeGroupRefs  
> element

>

> I prefer the first option, even though it has the downside  
> that it enables connecting an ocp with attributes that only  
> make sense for tracks.

I prefer the first version as well: It should be possible to reference to infraAttrGroups from an OCP, too. The mentioned downside can be solved by extending the variety of possible parameters so that also specific OCP features can be modelled.

The main question for now:

Do you need to have a solution for railML baseline 2 or will it be OK if we solve the issue just with railML 3?

Best regards  
Christian

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Christian Rahmig  
railML.infrastructure coordinator

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