
Subject: Map infrastructure to a country
Posted by [Mark Lorenz](#) on Fri, 04 May 2018 12:14:27 GMT
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Hi,

I am working on a tool for vehicle planning. Some vehicles may not have the ability to drive on tracks that are located in different countries.

Is it possible to add attributes which show the country within the OCPs or Tracks? Same problems appear with different infrastructure attribute, namely electricity and such things. So is it possible to add some attributes which help to choose the right vehicle for a special track? (currently using RailML 2.2 or 2.3).

Or do I have to wait for 3.1?

Greets Mark

Subject: Re: Map infrastructure to a country
Posted by [Tobias Bregulla](#) on Sat, 05 May 2018 06:24:20 GMT
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Hello,

welcome to the forum. Nice that the Verkehrsautomatisierung Berlin is also active here.

The selection of the right vehicle for a special infrastructure (e.g. track) should be the task of the processing software (e.g. tools for vehicle planning), right? railML can only model and map data, a decision should always be made by the processing software.

In railML 2.x it is possible to specify the infrastructure operator via the <infrastructureManager> code list, a list can be found at <https://wiki.railml.org/index.php?title=Dev:InfrastructureManagers>. Where the corresponding registration of the vehicle is modeled, I cannot say, since I work exclusively in the infrastructure area.

The same applies to properties such as electrification: Compare and decide on the infrastructure property (<https://wiki.railml.org/index.php?title=IS:electrification>) and the vehicle property (<https://wiki.railml.org/index.php?title=RS:tractionMotor>).

Waiting for railML 3.x should not be necessary, the current railML 2.x (and maybe some minor extensions) should be sufficient.

Best regards,

Tobias Bregulla (Bahnkonzept Dresden)

Am 04.05.2018 um 14:14 schrieb Mark Lorenz:

- > I am working on a tool for vehicle planning. Some vehicles
 - > may not have the ability to drive on tracks that are located
 - > in different countries.
 - >
 - > Is it possible to add attributes which show the country
 - > within the OCPs or Tracks? Same problems appear with
 - > different infrastructure attribute, namely electricity and
 - > such things. So is it possible to add some attributes which
 - > help to choose the right vehicle for a special track?
 - > (currently using RailML 2.2 or 2.3).
 - >
 - > Or do I have to wait for 3.1? :)
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Subject: Re: Map infrastructure to a country

Posted by [Mark Lorenz](#) on Mon, 07 May 2018 07:36:11 GMT

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Thanks Tobias, your information concerning the <InfrastructureManagers> and the <electrification> attributes help me a lot.

Subject: Re: Map infrastructure to a country

Posted by [Joerg von Lingen](#) on Wed, 09 May 2018 13:08:57 GMT

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Hi,

just for correction: The electrification data of a vehicle is included in Propulsion (<https://wiki.railml.org/index.php?title=RS:propulsion>). Any data of TractionMotor are internal for the vehicle.

At the moment there is only <https://wiki.railml.org/index.php?title=RS:operator> for basic operator data but there is no list or mapping for which infrastructure manager the vehicle is licensed. If you need such information in RS please open a ticket with a proposal of what information is needed.

Mark Lorenz wrote on 07.05.2018 09:36:

- > Thanks Tobias, your information concerning the
 - > <InfrastructureManagers> and the <electrification>
 - > attributes help me a lot.
 - >
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