## Subject: Additional attribute for crossing roads/rivers
Posted by Alexander Wolf on Sat, 24 Oct 2015 17:44:02 GMT
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Hello railML community,

with our project GPSinfradat we record and visualise railway infrastructure data. All measured data can be exported with railML for utilisation in other railway applications and include information about railway topology, track elements and operational elements. Within projects concerning the planning of construction we are often asked to export the name of the crossing road (level crossings) or the passed river/road (bridges). Currently, this information can not be mapped in the railML data model yet!

Therefore I suggest to extend the elements <bridge>, <levelCrossing> and <tunnel> in railML v2.3 with an additional attribute for the description/name of the crossing, e.g. "crossingElement".

Comments on this proposal are welcome!

Best regards
Alexander


--
Alexander Wolf
Bahnkonzept Dresden

## Subject: Re: Additional attribute for crossing roads/rivers
Posted by Christian Rahmig on Mon, 26 Oct 2015 08:58:00 GMT
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Dear Alex,
Dear railML IS community,

I took the idea and set up a ticket for this issue with the crossing river/road/etc. (see [1]). If there are other users interested in it, we can include this minor enhancement in the upcoming railML 2.3.

[1] https://trac.railml.org/ticket/271

Best regards
Christian

Am 24.10.2015 um 19:44 schrieb Alexander Wolf:
> Hello railML community,

> 
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> infrastructure data. All measured data can be exported with railML for
> utilisation in other railway applications and include information about
> railway topology, track elements and operational elements. Within
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> export the name of the crossing road (level crossings) or the passed
> river/road (bridges). Currently, this information can not be mapped in
> the railML data model yet!
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> <tunnel> in railML v2.3 with an additional attribute for the
> description/name of the crossing, e.g. "crossingElement".
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> 
> 
> --
> Alexander Wolf
> Bahnkonzept Dresden


--
Christian Rahmig
railML.infrastructure coordinator

---

## Subject: Re: Additional attribute for crossing roads/rivers
Posted by Alexander Wolf on Mon, 26 Oct 2015 12:42:12 GMT
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Dear Christian,

thank you for the quick response!

I had a look at your example in the ticket #271. From my point of view, it
would be a more generalized approach, allowing multiple crossing elements.

The enhanced example might look like this:

```
<bridge ... name="Marienbrücke">
  <crossingElements>
    <crossingElement ... name="Elbe" type="river" pos=2100 />
    <crossingElement ... name="B6" type="road" pos=2150 />
    <crossingElement ... name="Elberadweg" type="other" pos=2200 />
```

</crossingElements>
</bridge>

Usually only a few elements will occur here, but especially for larger
bridges a detailed description in the data model will be possible then.
Moreover, this link between the various infrastructure layers may also
help in other current railML projects [1].

Best regards,
Alexander

Links:
[1]
 http://documents.railml.org/events/slides/2014-03-26_bmvi_bo
ehm-bundesverkehrswegeplanung.pdf

Am 26.10.2015, 09:58 Uhr, schrieb Christian Rahmig
<coord@infrastructure.railml.org>:

> Dear Alex,
> Dear railML IS community,
>
> I took the idea and set up a ticket for this issue with the crossing
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> can include this minor enhancement in the upcoming railML 2.3.
>
> [1] https://trac.railml.org/ticket/271
>
> Best regards
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>
> Am 24.10.2015 um 19:44 schrieb Alexander Wolf:
>>  Hello railML community,
>>
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>> --
>> Alexander Wolf
>> Bahnkonzept Dresden
>
>


--
Alexander Wolf
Bahnkonzept Dresden

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## Subject: Re: Additional attribute for crossing roads/rivers
Posted by s.kuehnlenz on Mon, 26 Oct 2015 14:43:44 GMT
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Hello railML community,

we (Software-Service John GmbH) are interested in this new attribute. In
the context of our actual project (Bundesverkehrswegeplan 2015, Mr. Wolf
has alreadie mentioned) it would be quite useful.

With best regards,
Stephanie Kühnlenz

Alexander Wolf wrote:
>
> Dear Christian,
>
> thank you for the quick response!
>
> I had a look at your example in the ticket #271. From my point of view, it
> would be a more generalized approach, allowing multiple crossing elements.
>
> The enhanced example might look like this:
>
> <bridge ... name="Marienbrï¿½cke">
>   <crossingElements>
>     <crossingElement ... name="Elbe" type="river" pos=2100 />
>     <crossingElement ... name="B6" type="road" pos=2150 />

>     &lt;crossingElement ... name="Elberadweg" type="other" pos=2200 /&gt;
>   &lt;/crossingElements&gt;
> &lt;/bridge&gt;
>
> Usually only a few elements will occur here, but especially for larger
> bridges a detailed description in the data model will be possible then.
> Moreover, this link between the various infrastructure layers may also
> help in other current railML projects [1].
>
> Best regards,
> Alexander
>
>
> Links:
> [1]
>
> http://documents.railml.org/events/slides/2014-03-26_bmvi_bo
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>
>
>
> Am 26.10.2015, 09:58 Uhr, schrieb Christian Rahmig
> <coord@infrastructure.railml.org>:
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>>>
>>>  --
>>>  Alexander Wolf
>>>  Bahnkonzept Dresden
>>
>>
>
>


--
----== posted via PHP Headliner ==----

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## Subject: Re: Additional attribute for crossing roads/rivers
Posted by coordination on Mon, 26 Oct 2015 18:04:43 GMT
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Dear all,

an idea - maybe already taken inti consideration by the responsible
coordinator - for better interoperability of the data:

Alexander Wolf wrote:
> The enhanced example might look like this:
>
> <bridge ... name="Marienbrücke">
>    <crossingElements>
>      <crossingElement ... name="Elbe" type="river" pos=2100 />
>      <crossingElement ... name="B6" type="road" pos=2150 />
>      <crossingElement ... name="Elberadweg" type="other" pos=2200 />
>    </crossingElements>
> </bridge>

Why not using the same name for the tags like in Openstreetmap? This
description is used widely and free available via their wiki at
http://wiki.openstreetmap.org/wiki/Map_Features. Maybe we need not the
same level of detail (as we're not Openstreetmap) but it's always a good

idea to call the same things with the same name in exchange formats. If other available formats (like GML) have descriptions too, maybe they are closer to railML?

Regards,
--
Vasco Paul Kolmorgen


--
----== posted via PHP Headliner ==----