
Subject: How to represent Line Continuation on railML
Posted by [Fabiana Diotallevi](#) on Mon, 08 Jul 2019 16:02:00 GMT
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Dear all,

if I want to export in railML 3.1 the schematic of a station that has several "real" bufferstops, and also some "fake" bufferstops representing the line borders (see image below), how can I export the fake ones?

I need to export them because they define the borders of the tvdSection for the interlocking schema.

Any ideas?

Thanks in advance,
f.

File Attachments

1) [bufferstops.JPG](#), downloaded 27 times

Subject: Re: How to represent Line Continuation on railML
Posted by [Jörg von Lingen](#) on Tue, 09 Jul 2019 04:27:37 GMT
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Hi,

from interlocking point of view I think the tvdSection is delimited by the trainDetectionElement. A bufferstop would be no active element for an interlocking.

I have added some detection points and names to your example:
tvdSection "R1" is delimited by "dp01" and "dp02"

tvdSection "R4" is delimited by "bs01" and "dp03"

The infrastructure limits shall be marked by border elements.

Regards,
Jörg von Lingen - Interlocking Coordinator
Fabiana Diotallevi wrote on 08.07.2019 18:02:

> Dear all,
>
> if I want to export in railML 3.1 the schematic of a station
> that has several "real" bufferstops, and also some "fake"

> bufferstops representing the line borders (see image below),
> how can I export the fake ones?
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> I need to export them because they define the borders of the
> tvdSection for the interlocking schema.
>
> Any ideas?
>
> Thanks in advance,
> f.

File Attachments

1) [bufferstop2.png](#), downloaded 3 times

Subject: Re: How to represent Line Continuation on railML
Posted by [Fabiana Diotallevi](#) on Tue, 09 Jul 2019 07:37:48 GMT
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Dear Joerg,
thanks for the quick answer.
I get your point, but I have another question then: what kind of "trainDetectionElement" could a line border be?

From the 3.1 railML documentation the possible values are:

```
<xs:enumeration value="axleCounter"/>  
<xs:enumeration value="axleCountingCircuit"/>  
<xs:enumeration value="clearancePoint"/>  
<xs:enumeration value="insulatedRailJoint"/>  
<xs:enumeration value="trackCircuit"/>  
<xs:enumeration value="virtualClearancePoint"/>
```

Any suggestion?

Thanks again in advance,

f.

Subject: Re: How to represent Line Continuation on railML
Posted by [Jörg von Lingen](#) on Tue, 09 Jul 2019 10:15:12 GMT
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Dear Fabiana,

- 1) "border" element of type="rail3:Border" is a separate functionalInfrastructure element
- 2) a "trainDetectionElement" delimiting a tvdSection can be only of type "axleCounter" or "insulatedRailJoint". You may consider "insulatedRailJoint" also for locations limiting an audio frequency track circuit without having a physical insulation in the rails.

A "trackCircuit" would be already an equivalent to "tvdSection", i.e. not representing a spotLocation.

A "clearancePoint" or "virtualClearancePoint" is not really a mean to detect the presence of a train on the track -

explanation for use is missing.

For "axleCountingCircuit" I have no clue what it stands for, but it seems also not representing a spotLocation.

Regards,

Jörg von Lingen - Interlocking Coordinator

Fabiana Diotallevi wrote on 09.07.2019 09:37:

- > Dear Joerg,
- > thanks for the quick answer.
- > I get your point, but I have another question then: what
- > kind of "trainDetectionElement" could a line border be?
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- > From the 3.1 railML documentation the possible values are:
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- > <xs:enumeration value="trackCircuit"/>
- > <xs:enumeration value="virtualClearancePoint"/>
- >
- > Any suggestion?
- >
- > Thanks again in advance,
- >
- > f.
- >

Subject: Re: How to represent Line Continuation on railML
Posted by [Fabiana Diotallevi](#) on Fri, 12 Jul 2019 16:09:41 GMT
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Ok,
thank you for the answer!

f.
