
Subject: Re: [railML3]: openend and Macroscopic nodes
Posted by [christian.rahmig](#) on Mon, 04 Dec 2017 14:50:10 GMT
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Dear Fabrizio,

Am 29.11.2017 um 14:53 schrieb Fabrizio Cosso:

- > Dear Christian,
- > How <openEnd> and <macroscopicNode> elements can be modeled
- > within railML3?
- > Generally speaking, what are the allowed values for
- > trackBegin and trackEnd elements: are switches, crossings
- > and bufferStops the only allowed values?

<track> child elements <trackBegin> and <trackEnd> provide reference to demarcating infrastructure elements. At microscopic level, a <track> may reference <bufferStop>, <switch> or <crossing> elements as begin and end. At the aggregated mesoscopic or macroscopic level a <track> may reference <operationalPoint> or <border> elements. If you want to model a station track without knowing exactly about the underlying microscopic topology network, a possible solution may look like this:

```
<operationalPoint id="opp01">
</operationalPoint>
....
<track id="trc01" type="sidingTrack" length="320">
  <trackBegin ref="opp01"/>
  <trackEnd ref="opp01"/>
</track>
```

This solution is very close to the implementation in railML 2.3, see "Best Practices" in [1].

But how about the "open end"? Does anybody have a brilliant idea on how to model them in railML v3?

[1] <http://wiki.railml.org/index.php?title=IS:track>

Best regards
Christian

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