
Subject: Re: Extra attributes on signal in RailML2.3 norwegian extention
Posted by [christian.rahmig](#) on Mon, 30 Apr 2018 14:38:48 GMT

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Dear Morten,

Am 30.04.2018 um 13:48 schrieb Morten Johansen:

- > Dear all
- >
- > The Norwegian ERTMS project have a need for holding some
- > extra information when engineering our ETCS solution. This
- > extra information is connected to signals and we have the
- > idea that our need best can be fulfilled by adding tree
- > attributes to the signal element as Norwegian extensions.
- >
- > What we have planned to do is to make these attributes as
- > Norwegian extensions, all optional:
- > - signal@nor:lamps (positive string), to hold the number of
- > lamps at the current signals
- > - signal@nor:side (enumeration: left/right/centre/other:),
- > to hold the placement of the signal relative to the track
- > and direction
- > - signal@nor:mounted (enumeration: pole/gantry/other:), to
- > hold where a signal is mounted.
- > We in Norway have made a set of norwegian extensions to
- > RailML2 based on the version RailML2.3, while waiting for
- > the RailML3.1 to be released and sufficiently matured. Are
- > any of the needs described above possible expressed by some,
- > to us unknown, elements or attributes in standard RailML2.3?
- > Or is it an acceptable way to handle these needs by making
- > these attributes as suggested?

at least the second point of your bullet list can already be handled with railML 3.1 beta: In order to locate an element (e.g. a signal) next to the railway track (and related NetElement), you can use the offset parameters @lateralOffset and @verticalOffset.

So, looking at the Simple Example, the home signal to "Bf Cstadt", named "69A" and standing right of the track, should be modelled like this:

```
<signal name="69A" id="sig04" type="main">  
  <spotLocation id="sig04_sloc01" netElementRef="ne_b03"  
intrinsicCoord="0" applicationDirection="normal">  
  <linearCoordinate positioningSystemRef="lps01" measure="4300.0"  
lateralOffset="2.2"/>  
  </spotLocation>  
</signal>
```

Regarding the other bullet points let me forward the question to the community: Are you interested in having information about lamps and mounting implemented in the railML 3 infrastructure schema?

Best regards
Christian

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