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Subject: Extra attributes on signal in RailML2.3 norwegian extention

Posted by [Morten Johansen](#) on Mon, 30 Apr 2018 11:48:48 GMT

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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 to express 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?

Best regards

Morten Johansen

RailML coordinator in Bane NOR