
Subject: [railML3] Need for modelling Lineside Electronic Unit
Posted by [christian.rahmig](#) on Thu, 06 Jun 2024 08:52:11 GMT
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Dear community,

within the railML use case developer group "ETCS" [1] we are going for enhancing railML3 data model to be able to deal with ETCS level 1 projects. In that context, the need for modelling Lineside Electronic Units (LEU) was discussed. In particular, the following requirements have been collected:

- 1) An infrastructure element for the LEU is needed.
- 2) A LEU should be able to connect with one or more signals.
- 3) A LEU should be able to connect with one or more balise groups.
- 4) A LEU should be able to connect with one or more balises.
- 5) A LEU should be able to connect with one or more euroloops.
- 6) The signal aspects to be evaluated by the LEU should be provided.
- 7) For each signal aspect to be evaluated by the LEU, the relevant route should be provided
 - * target signal of the movement authority
 - * required position of passed switches
 - * signals between start and target signal of the route (optional)

Dear community, if you have any comments on this request, please let us know by your feedback here in the forum.

[1] https://wiki3.railml.org/wiki/UC:IS:ETCS_track_net

Thank you very much and best regards
Christian
