
Subject: Re: [railML3] Positioning approach
Posted by [christian.rahmig](#) on Wed, 07 Aug 2024 14:22:51 GMT
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Dear Thomas,

as there has not been any further feedback from the community on the question about `linearCoordinate` and `geometricCoordinate` as child elements of `linearLocation` and `areaLocation`, I agree with the proposal to deprecate these two child elements. This means that in future there will be no `linearLocation` or `areaLocation` without a topology reference via `associatedNetElement`.

The related Git issue for railML 3.3 has already been created:
<https://development.railml.org/railml/version3/-/issues/556>

Best regards
Christian

`christian.rahmig` wrote on Wed, 08 November 2023 06:46Dear Thomas,

thank you for your feedback and input to complete the refactoring of the locations. Yes, we still have to talk about the `linearCoordinate` and `geometricCoordinate` children of `linearLocation` and `areaLocation`, which result from the RTM modelling.

If you want to model a (linear or area) location with reference to the topology layer (`netElements...`), you have to do it using `associatedNetElement` and relevant child elements and attributes. So, the remaining question is if we should allow for `linearLocation` or `areaLocation` without reference to the topology? Btw: a `spotLocation` is always linked with the topology...

So, in order to harmonize the approach with `spotLocation`, I agree with your suggestion to deprecate `linearCoordinate` and `geometricCoordinate` in `linearLocation` and `areaLocation`. And if someone really needs to define a location without a reference to the topology, he or she may still make use of the `gmlLocations` and its child elements `lineString` and `point`.

Question to the community:

Who is using the child elements `linearCoordinate` and `geometricCoordinate` in elements `linearLocation` and `areaLocation`?

Any feedback is highly appreciated...
Best regards
Christian