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Subject: Re: Include track length information in topology  
Posted by [Thomas Nygreen JBD](#) on Mon, 21 Jan 2019 14:34:33 GMT  
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christian.rahmig wrote on Fri, 18 January 2019 15:28

Am 08.01.2019 um 22:37 schrieb Thomas Nygreen:

> [...]

> One concern I have is how to interpret spotLocation/@pos if

> the optional netElement/@length is missing.

one possible solution is to define the rule, that if the optional attribute <spotLocation>@pos is being used, the other optional attribute <netElement>@length has to be given.

Alternatively, the attribute <netElement>@length could be declared as being mandatory.

What do you prefer?

I think there could be (strategic or template) use cases where netElement length is not needed and @intrinsicCoord would still be used. Therefore, I am in favour of keeping <netElement>@length optional and only require it when a <spotLocation>@pos is not used on that <netElement>.

There is also a possible conflict if both @intrinsicCoord and @pos are used and (@intrinsicCoord \* <netElement>@length) calculates to something else than @pos. Should there be a rule that only one of the two attributes can be used on the same element, or should they be interpreted differently?

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