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Subject: Re: Feedback from 1st railML 3.1 Workshop 09./10.01.2018 - intrinsic coordinates

Posted by [Airy Magnien](#) on Thu, 12 Jul 2018 14:58:09 GMT

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Two answers to the two questions :

A1: the wiki does not indeed provide information about the usage of intrinsic coordinates. We'll consider complementing it.

When the linear positioning is known, intrinsic coordinates may be derived from relative linear positioning. When the linear positioning is not known or not available, intrinsic coordinates are necessary to achieve schematic representation.

A2: Intrinsic coordinates have been made optional in RTM 1.1. In the location package, the intrinsic coordinates have been moved from the AssociatedNetElement to a daughter class, the use of which is optional. It is always possible to refer to other positioning systems instead. On the other hand, in the Topology package, the extremities of (linear) NetElements need to be differentiated (disambiguated) in some way. This is why the corresponding intrinsic coordinates (0 and 1) of PositioningNetElements must refer to some coordinate, in the POsitioningSystem package.

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