
Subject: odometry, pos and absPos

Posted by [bob.janssen](#) on Mon, 08 Dec 2014 14:30:23 GMT

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Dear all,

ETCS operation relies on precise odometry. Engineers will want to use RailML positions of balises, points and other track elements to compute speedprofiles, balise-profiles, etc. This information is vital.

Geographic coordinates are of little use for this purpose. Much rather, the pos and absPos attributes of many IS elements are useful.

These elements therefore deserve a thorough definition and here's my proposal:

pos: the length of track, measured along the track's centreline from <trackBegin>. To be used for vital purposes such as train odometry.

absPos: a mileage, or kilometrage, typically displayed alongside the track, that supports positioning e.g. for maintenance purposes but not for vital or signalling purposes.

Yours,
Bob Janssen

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-----== posted via PHP Headliner ==-----
