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Subject: MileageChanges

Posted by [ron.van.kampen](#) on Thu, 11 Nov 2004 17:01:43 GMT

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We are working on a program to convert dutch infrastructure defined in InfraAtlas to RailML. In InfraAtlas many measuring tapes are used. In one track one can encounter (track/ocs) elements defined by various measuring tapes. Some measuring tapes run in the same direction as the track/relPos, others in opposite direction.

We convert all absolute positions to a relative position (relative to the start of each track), that we enter in the required pos attribute.

We would also like to use the optional absPos attribute in order to reflect the original InfraAtlas position.

Doing this, we believe, we should also use the mileageChange element, to reflect switching to a different measuring tape.

Assumption 1: Measuring tapes are mileages, and the transition to a new measuring tape is defined by a mileageChange element.

At the start of the track, the absPos of elements is according to the first measuring tape.

Question 1: Does one need to specify the direction of the first measuring tape/mileage? If yes, how?

Assumption 2: When switching to the second mileage, we assume that absPos is the position according to the first mileage, and absPosIn is the position according to the new mileage.

Question 2: How does one specify the direction of the new mileage (relative to track/relPos, or relative to previous mileage)?

Assumption 3: That is what the dir attribute is for.

Can someone tell us, if our assumptions are right?

If so, can our questions be answered?

Best regards,

-- Ron

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