Subject: Re: Datatype for distance in sectionTT
Posted by   on Mon, 26 Mar 2012 09:29:09 GMT
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Hallo Christoph and all other,

this is a known problem since a long time. I do not know the origins anymore but we already had discussions about it some years ago. I guess some of the reasons may be that, the decimal separator in XML and Switzerland is the thousand separator in Germany (a dot), and there are 6 (!) fraction digits allowed in this unit which really does not make sense if it is meters...

At the moment, we (iRFP) take part at the confusion by writing km into our RailML files and so we violate the XSD. (We write "distance='0.460'" which shall mean 460 meters and not 460 kilometers.)

However, we cannot change it back in time for RailML 2.0 but we still can change it in RailML 2.1 (which is shortly before release here) and we surely will change it in 2.2. So, I would prefer to write meters ("distance='460'" in the example above) and this is my recommendation. This would mean not to change the XSD but to change the examples and FBS output.

If all the others agree (and this means especially the companies reading FBS RailML output), we will do so from our 2.1 release but we will never change our 2.0 output.

Sorry for my contingent of this confusion...

Best regards,
Dirk.