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Subject: RailML as a base for a digital railwaymap  
Posted by [Steffen Axer](#) on Thu, 19 Mar 2009 16:57:36 GMT  
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Hello to all in this newsgroup,

I am acutally working on a project, that has the aim to realize a digital railway map based on RailML.

First of all I have to say, that I am absolutely new in RailML. Over the last three weeks I browsed through the v100 and v101 spezificaton of the RailML infrastructure scheme and tried to understand all types and elements.

Until now I used a software called "Opentrack" to create infrastructure topology. Opentrack is able to generate RailML Files as an export datafile.

The inputs for the digital map are many measuring points distributed over the track. These measuring points should approximate the real track.

I started to work with the RailML infrastructure scheme v100 because "Opentrack" does only supports this infrastructure scheme version. Therefor I created a new element in the complexType "trackTopologyType" called "geoCoordGroup". This element is used as a container for the measuring points. Each measuring point is integreated in the geoCoordGroup as a geoCoord. The geoCoordType got some new attributes called absPos, that was already defined in the v100 specification, and an ID. In the V100 spezification the geoCoordType is not able to get a ID. This feature seams only to work originally in the newer V101.  
(elementwithIDandName)

This ID is needed to describe a later error-model for some sensors.

My question to you all. Do you think it is a proper way to describe the geometric run of a track or do you have any better ideas or input for me.

Maybe it helps you all if I post a link to my XML and XSD File, that you could have a look on my structure.

Sorry for my bad english...

Greetings  
Steffen

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