
Subject: Re: RailML as a base for a digital railwaymap
Posted by [Alfonso Gonzalez](#) on Sun, 05 Jul 2009 16:14:10 GMT
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Hello

I am also interested in studying the application of railml to representing tracks.

I am far more experience in the track representation of a rail network used by our ETCS level 2 RBC, but I considere I should study also the representation in a more standar way.

Maybe we can exchange experiences.

Regards

Steffen Axer wrote:

- > 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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