Subject: OpenStreetMap Viewer for georeferenced RailML infrastructure documents
Posted by Thomas Strang on Wed, 07 Oct 2009 16:00:01 GMT
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Dear all,

if you are working with geoCoord elements in your RailML infrastructure documents, the following might be of interest to you. We developed a visualization tool to show the topological and geographical dependencies of track elements defined in RailML infrastructure documents. It is a public Web application on top of OpenStreetMap, and it is free of charge. See the "tools" section of

http://www.collision-avoidance.org/rcas

if you want to give it a try. But be aware, there is not much level of support we can give.

Kind regards,
Thomas Strang

Subject: Re: OpenStreetMap Viewer for georeferenced RailML infrastructure documents
Posted by Dr. Volker Knollmann on Mon, 12 Oct 2009 20:30:08 GMT
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On 07/10/09 18:00, Thomas Strang wrote:
> We developed a visualization tool to show the topological and
> geographical dependencies of track elements defined in RailML
> infrastructure documents.

Thank you for your interest in RailML and for sharing your application with us. Unfortunately, the program didn't run as expected on my computer. I downloaded the example file, started the application, opened the example using the dialog box and then..... nothing.

I had two or three seconds of heavy CPU usage (probably the parsing of the file) and that's it. I expected e. g. a browser tab to open up and showing some OSM-graph or similar. Did I miss something?

Additionally, you might be curious to hear that we improved the geographic references in the upcoming release of RailML. In particular, we'll provide special elements to map arbitrary points on a <track> to a geographic reference and we introduced EPSG-codes the unambiguously define the used coordinate system.

The following documentation pages may be of interest to you:

http://wiki.railml.org/index.php?title=IS:geoCoord (EPSG-codes)

http://wiki.railml.org/index.php?title=IS:geoMapping (geoMapping)

In case you have any questions regarding the new features or if you need further debugging information for my problem described above please contact me.

Best regards,
Volker Knollmann

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