
Subject: Coordinate system used for "geoCoord"-element
Posted by [Volker Knollmann](#) on Thu, 20 Oct 2005 14:21:47 GMT
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Hi there,

we were just planning a railML-application which would make use of the geoCoord-elements (longitude, latitude, altitude).

My question: has there been any kind of agreement, which coordinate system (e. g. WGS84, UTM, Gauss-Krueger, ...) is to be used?

I guess this is another case, in which the SYNTAX is clear, but the SEMANTICS are not...

Best regards,
Volker Knollmann

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Subject: Re: Coordinate system used for "geoCoord"-element
Posted by [Matthias Hengartner](#) on Mon, 31 Oct 2005 10:37:47 GMT
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Hello,

> we were just planning a railML-application which would make use of the
> geoCoord-elements (longitude, latitude, altitude).

Nice to hear that a further railML-application is being planned!

> My question: has there been any kind of agreement, which coordinate
> system (e. g. WGS84, UTM, Gauss-Krueger, ...) is to be used?

Not that I know of, but I wasn't involved in the development of railML when <geoCoords> was introduced...

Which systems are used in reality? I guess there are differences between different Countries or even railway companies...

Would it make sense to introduce an attribute like "coordSystem" to allow different systems?

If yes: Should we consider local coordinate systems (like CH1903 [Schweizer Landeskoordinaten] in Switzerland)?

.... sorry that there are more questions than answers in this posting B-)

Best regards,
Matthias Hengartner

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