Subject: Re: Datatype for distance in sectionTT
Posted by on Fri, 30 Mar 2012 10:50:05 GMT
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Hello to all,

with my statement

> but we will never change our 2.0 output

I did not want to force any additional work at other software companies.
Of course we can change our 2.0 output but with a different dc:identifier
(see Header information, Dublin Core Metadata Element Set) only. So there
would be two different kinds of 2.0 output of FBS. If someone wants to
implement such a 2.0 please contact us.

On the other hand there seams to be no other 2.0 files at the moment and
no import interface which cannot handle the distances in kilometers. So
there seams to be no reason to change anything in 2.0.

> That would be easier for us maintaining the schemas. But is it helpful
> for the export and import interfaces?

I have the agreement of PTV to
  - keep importing kilometers in 2.0
  - accept meters from 2.1

There are several other interfaces (companies, software) dealing with our
2.0 output. But due to the (sadly) happenings on station identification
(abbreviation, code, number...) I think that none of them can handle 2.1
without any change in programming. And if there has to be a change in
programming at all, it should be a little work to change the kilometers in
meters.

This is my opinion, and so I would prefer this solution and it is also ok
for PTV. Anyway, we have to decide it very soon. SO PLEASE ANY OF THE
OTHER SOFTWARE COMPANIES PLEASE READ THIS AND WRITE WHETHER IT IS OK FOR

YOU OR NOT... ;-)

> I thought that the distance between two 'ocp's should be in kilometers
> as well.

> BTW all infrastructure length values are expected in meters.

I have a strong preference on not using floating point (non-integer)
values at all. Of course, in XML everything is string so even the values
with decimal separator in RailML could be assumed to be fixed-pointed. But

a decimal value in RailML could mislead to put in into a float-point value in programming. This should be be avoided in any case. So let's skip that unnecessary decimal separator! It only makes the RailML file unnecessary longer...

It's ok to have all IS length values in meters. Let's do so in TT.

Dirk.