Subject: Re: Fwd: Mapping of code and abbreviation for ocps
Posted by Susanne Wunsch railML on Mon, 21 Mar 2011 14:35:55 GMT
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Hello Simon,

"Simon Heller" <sih@ivu.de> writes:

> ... I accidently posted this infrastructure message in the timetable forum.

I don't think, it was a bad choice posting this issue to both timetable
AND infrastructure forum. It is an aspect of infrastructure with high
relevance for timetables.

I add a short reply from Joachim (by mail)

On Mon, Mar 21, 2011 at 11:45:09AM +0100, Joachim Rubröder wrote:
>
> Der Vorschlag von Simon, den UIC-Code am ocp zu berücksichtigen finde
> ich sehr vernünftig. Da es dafür ja eine Beschreibung gibt, sollten
> wir die auch möglichst 1:1 umsetzen:
> - numerical country code (2 digits)
> - railway location number (5 digits)
> - check digit (1 digit)
> -> neue eigene Felder speziell hierfür "uic-xy"
>
> "code" sehe ich für den Länder-intern bzw. System-intern üblichen
> Schlüssel, also DS100 bzw. die mehrbuchstabige Abkürzung. Da können
> wir in railML aber schwer eine verbindlichen Vorgabe über die Nutzung
> machen. Viriato würde da wohl am ehesten den UICCode (2-digits) und
> dann den vom Anwender vergebenen Schlüssel (also z.B. '85ZUE' für
> Zürich) reinschreiben
>
> "name" ist dann wohl der Name des ocp (z.B. 'Zürich'), auch ohne
> verbindliche Vorgaben für die Nutzung.

I translate this into the following (currently non-valid) XML fragments:

<xs:attribute name="tsiCountry" type="rail:tTwoDigits" />
<xs:attribute name="tsiLocation" type="rail:tFiveDigits" />
<xs:attribute name="tsiCheck" type="rail:tOneDigit" />

The newly introduced "code" attribute should be used for local location
codes, like (RL100 in Germany). I would prefer using the "code"
attribute with pure local (non-central) location codes (allowing
letters, digits and whitespaces) but without additional country code
prefixes, like Joachim suggested.

The "old" attributes "abbrevation" and "number" stay marked as "Deprecated" for next major release. see:

  http://trac2.assembla.com/railML/changeset/335
  http://trac2.assembla.com/railML/ticket/94

Some example would be:

```
<ocp id="o12345"
    code="ZUE"
    name="Zürich"
    description="Zürich Hauptbahnhof"
    tsiCountry="85"
    tsiLocation="12345" <!-- ?? -->
    tsiCheck="3" />
```

Thank you Simon, for mentioning some official source.

  Current file for download (as draft version):

   http://www.era.europa.eu/Document-Register/Documents/TAP-TSI
-Technical_Document_TAP_B_9_v1.1.pdf

  (without according code lists, with some missing paragraphs and small
  inconsistent explanations!)

There are some more definitions for location code lists that should be used in telematic applications for passenger railway services in future assumed this TSI is put into practice.

I resume the official code snippets for railML attributes:

  tsiCountry (2 Digits) - country to which the location belongs in
                    accordance to the Code List B.9.1

                    (currently missing!)

  tsiLocation (5 Digits) - railway location number, the code shall be
                    allocated by a national authority according
                    to its own rules... Each Primary Code shall
                    have an unambiguous and compulsory
                    designation which shall be defined by the
                    national authority.

  tsiCheck (1 Digit) - check digit in accordance with the rules
                    specified in Annex A.

  tsiReservation (5 Digits) - seat reservation code are defined and

allocated by each RU according to its own rules.

tsiType (1 Digit) - Type used to indicate the type of location [see code list B.9.2];

(currently missing!)

tsiInfrastructureBorder (3 Digits) - frontier and IM-transit point code used to identify the frontier and transit point concerned within the different "Type" categories. ...The allocating body tries to achieve agreement between the concerned parties and allocates the Subsidiary Code.

tsiRailwayA (4 Digits) - Company Code of RU A according ERA TAP TSI Technical Document B.8

tsiRailwayB (4 Digits) - Company Code of RU A according ERA TAP TSI Technical Document B.8

If we agree, implementing these attributes, I would prefer adding a new element, called "tsi" or "era" or "uic", cutting the attributes' prefixes.

just my 2 cents...
Susanne

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