
Subject: Re: Fwd: Mapping of code and abbreviation for ocps
Posted by [Christian Rahmig](#) on Sun, 15 May 2011 20:50:52 GMT
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Hello Simon,

please read my comment to the current implementation for closing
<http://trac2.assembla.com/railML/ticket/112> below.

Am 21.03.2011 15:35, schrieb Susanne Wunsch:

> 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 mehrbuchstabile 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 "abbreviation" 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.

The currently implemented solution, which will be part of the railML 2.1 release, follows this concept:

There is a new optional element <tsi> within the element <ocp>. It shall include all the code values that are set in the "TAP TSI: ANNEX B.9 STANDARD NUMERICAL CODING OF LOCATIONS" by the ERA. Currently, this document is a draft document only and the proposed values are not confirmed, yet.

As discussed during the meeting in Braunschweig last Monday, we therefore focus on the country code in the first place. The new tsi element contains the attribute:

```
<xs:attribute name="tsiCountry" type="rail:tTwoDigits" />
```

Further attributes need to be discussed on the basis of a confirmed TAP TSI and can be added in future after the railML 2.1 release.

This concept has been implemented in <http://trac2.assembla.com/railML/changeset/391>

Best regards
Christian

Christian Rahmig
railML.infrastructure coordinator
