

News of railML-Common parts

23th  – meeting

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Topics since last meeting

- Common development

- Coordinators meetings

Code lists

- Current implementations

- Schematron validation issues

Interlocking developments

- Workgroup meetings

Open Points

- In-between versions



Common development

- ▶ Some longish discussions in the forums about new objects
- ▶ Lot's of Trac ticket from small aspects to large enhancements reviewed and implemented
- ▶ Links to the appropriate wiki page inside the XML schemas

Release Candidate for railML 2.2 published on February, 19th, 2013



Small coordinators meetings in Dresden

- ▶ Feature enhancements for railML release 2.2 clarified
- ▶ Transparent results: directly passed to Trac tickets
- ▶ Boosted mainly the infrastructure-development
- ▶ Further discussion and results: see railML forum posts

XML code lists instead of XML Schema enumerations

- ▶ `TrainProtectionSystems.xml`
separated for systems “at track” and systems “on vehicle”
- ▶ `Registers.xml`
organization-specific registers for operation or control points (ocps), e.g. RL100
- ▶ `InfrastructureManagerCodes.xml`
abbreviation of mostly European infrastructure managers

Current strategy for XML code list files

- ▶ The lists are provided as a minimum starting point. They want to be reviewed and enhanced by the railML-communities experiences.
- ▶ Each topic is defined in a separate file.
- ▶ Code list files are located in the same folder as the railML-schema files.
- ▶ XML schemas for these lists are provided at a separate folder (`codelist-schemas`).

Validation of XML code list entries with Schematron

XML snippet:

```
<ocp id="d2e21" name="Berlin Hbf">
  <designator register="DS100" entry="BL"/>
</ocp>
```

Schematron constraint:

```
<assert test="doc('../schema/Registers.xml')//
railcode:register[@code = current()/@register]"
role="Warning">
```

Register '`<value-of select="@register"/>`' is used in ocp element '`<value-of select="../@id"/>`', but it is not described in 'Registers.xml'.`</assert>`

Code list and validation output

Code list snippet:

```
<register code="RL100">  
  <name>Betriebsstellenkürzel</name>  
  <organization xml:lang="de">DB</organization>  
  <remarks xml:lang="en">was DS100 or DV100 or  
Ril100</remarks> </register>
```

Validation output:

```
Register 'DS100' is used in ocp element 'd2e21', but  
it is not described in 'Registers.xml'.
```


How to handle urgent needs?

- ▶ Feature request in the forum according to the development process with following discussion
- ▶ Review of the feature implementation after its Subversion commit
- ▶ Use the last officially published version, adding the development extension in an `any-namespace`?
- ▶ Use a certain Subversion snapshot, marking the version attribute in a proper way, e.g. `2.1r569`?

Thank you for your attention.

