



railML.org

Timetable Scheme
railML[®] 2.5

39th railML[®] Conference – April 21st, 2021

Agenda

railML timetable 2.5 Development

- Use Case Passenger Information (PISY)
- Use Case Slot Ordering
- Original Track Info
- Early Planning Stages
- Minor changes
- Approach and Timeline

Timetable 2.5 Development – Use Case PISY (1/2)

- New Requirements: Passenger Information
 - Special Info
 - Text
 - Symbols
 - Images
 - Destination and origin texts for trains entering and leaving area of operation (outside the railML file)
 - Support for multilingual passenger info

Timetable 2.5 Development – Use Case PISY (2/2)

- Passenger Information
 - Announcements
 - Single/periodic
 - Various triggers
 - Event (arrival, departure)
 - Ocp (passing of Ocp)
 - Time (fixed time)
 - Geo Position
 - Output languages to be used can be specified
 - Specification of output system (e.g. in train, at station)

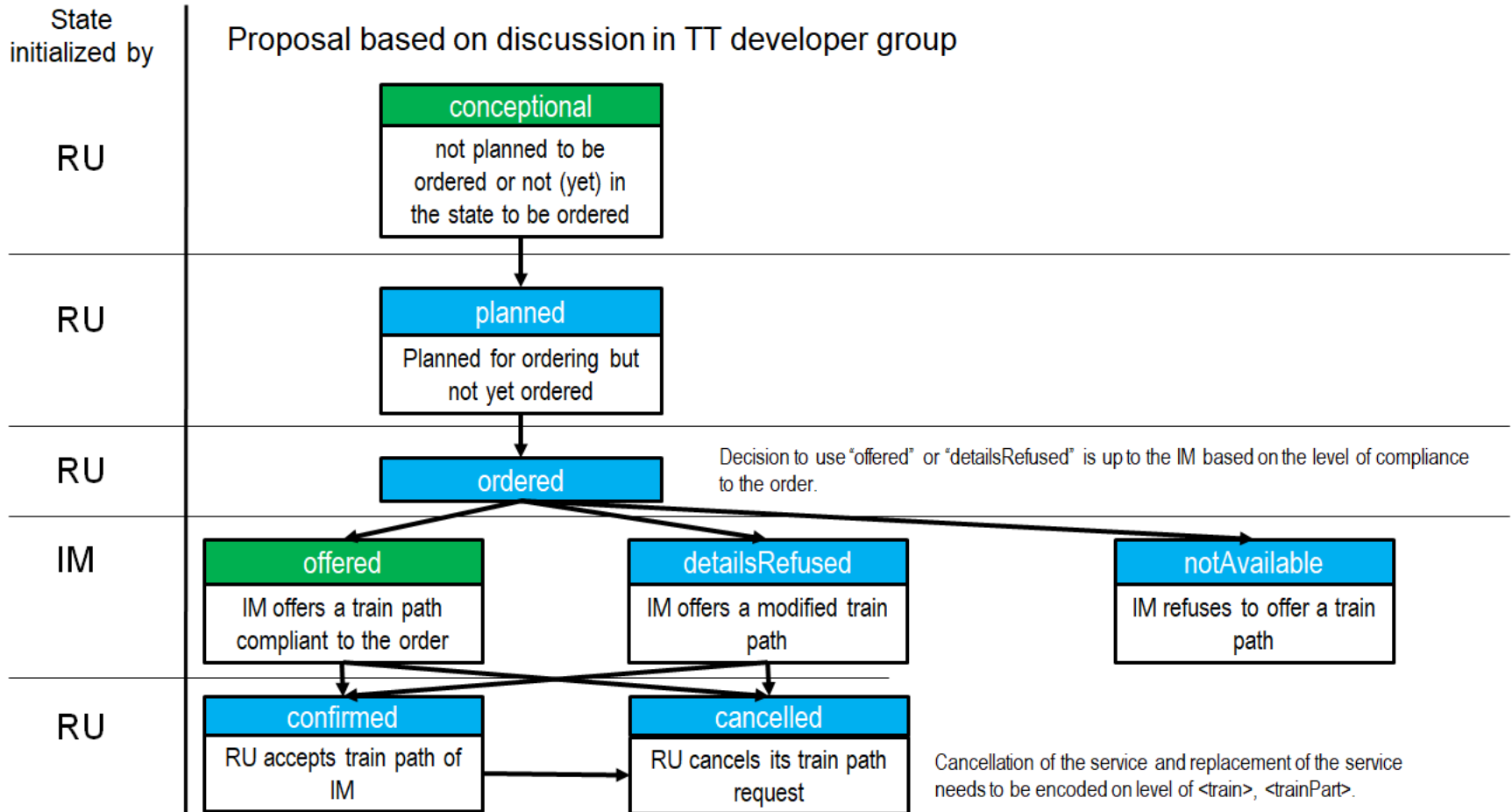
Timetable 2.5 Development – Use Case Slot Ordering

- Requirement from community for clearer and more detailed modelling of slot ordering process
- Requirement for specification of conceptual trains
- Filling of gaps in the process
- Improved documentation

Timetable 2.5 Development – Use Case Slot Ordering

 - new values

Proposed enumeration values of pathStatus and its interpretation



Timetable 2.5 Development – Original Track Info

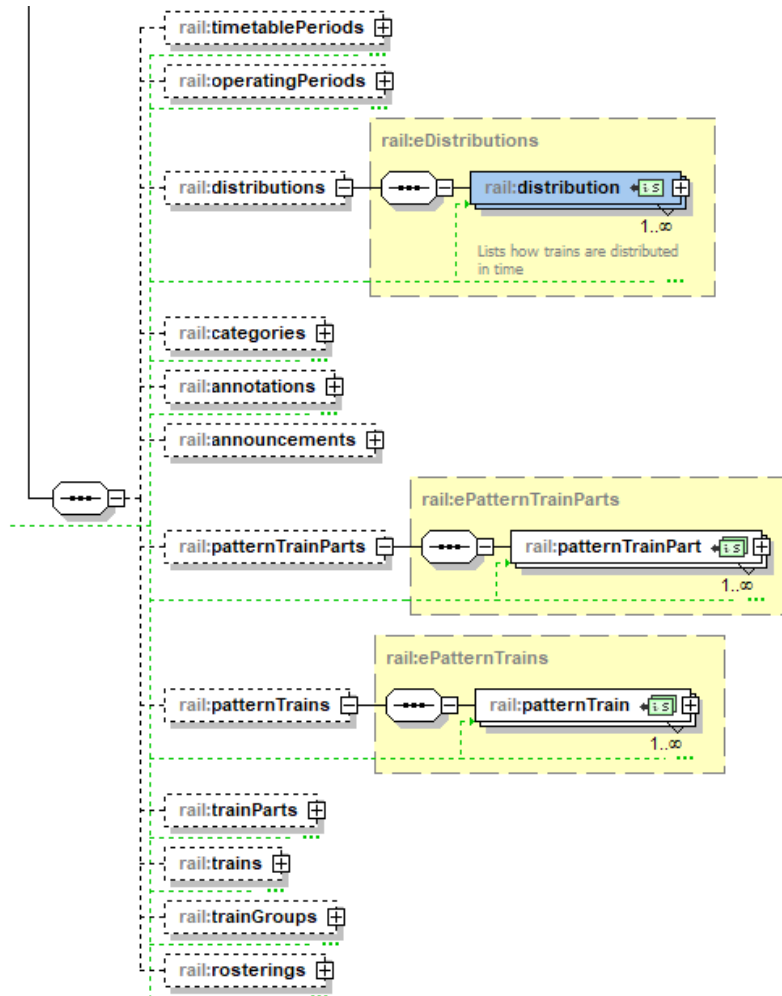
- New Requirement: Information on the station track a train was supposed to arrive
- Removes need for comparison
- Same possibilities as with existing `trackInfo`

```
<ocpTT ocpRef="ocp-21" ocpType="stop" sequence="1" trackInfo="CH11">
  <times scope="published" departure="04:28:00"/>
  <times scope="scheduled" departure="04:28:00"/>
  <sectionTT distance="576" percentageSupplement="6">
    <runTimes minimalTime="PT55S" operationalReserve="PT13S"/>
  </sectionTT>
  <stopDescription purpose="Verkehrshalt">
    <stopTimes minimalTime="PT1M"/>
    <trackInfo platform="11" track="CH11"/>
  </stopDescription>
  <originalTrackInfo trackInfo="CH13">
  </originalTrackInfo>
</ocpTT>
```

Timetable 2.5 Development – Early Planning Stages

- Introduction of patternTrains/patternTrainParts
 - Exact path not necessarily clear
 - Exact times/dates not yet clear
 - More like an idea of an actual train or a number of trains
- Structure resembles trains/trainParts
 - As powerful as existing train/trainPart, limited in some details
 - No operatingPeriodRef
 - No passengerInfo details
- Refers to new element <distribution> to specify timing ideas
 - Powerful facilities to model traffic intervals for operation days
 - E.g. train should run 2x per hour 6am-6pm every day and extra 4x per hour 8am-10am on workdays
 - Starttime, duration an interval can be specified

Timetable 2.5 Development – Early Planning Stages



Timetable 2.5 Development – Minor changes

- #343 – Handling of shuntingTimes clarified
- #364 – Deprecation of @processStatus
- #372 – Added @onRequest to <trainPart>
- #375 – Enum of @trainUsage of <category> made extendible
- #436 – organizationalUnitRef added for <category>
- #437 – parentRef added for <category>
- #470 – parentRef added for <trainGroup>

- Many changes to the Wiki in order improve documentation

[https://wiki2.railml.org/wiki/Dev:changes/2.5#Timetable Subschema](https://wiki2.railml.org/wiki/Dev:changes/2.5#Timetable_Subschema)

Timetable 2.5 Development – Approach & Timeline

- Further changes:
 - Further improvements for passenger information in train
- Development during biweekly phone conferences
- Discussions on modelling proposals in forum
- Feel free to join and contribute
- Current state of development available on SVN:
<https://svn.railml.org/railML2/branches/railML2.5-dev/>
- Proposed release: June 12th 2021
 - Current development version already used by early adopters
 - Commitment to keep current version stable

STADLER



Thank you for your attention!

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