
Subject: Re: Delay Causes Representation in RailML
Posted by [Susanne Wunsch railML](#) on Tue, 27 Nov 2012 11:40:19 GMT
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Hello Joachim, Matteo and others,

At the railML-conference in Zurich we agreed on discussing the aspect of "actual/real-time" data in a work group after publishing the 2.2 release.

Nevertheless the current railML schemas provide some possibilities for "actual" data - e.g. the ocpTT/times/@scope attribute.

```
<ocpTT ...>  
  <times scope="scheduled" arrival="10:15:00" departure="10:25:00"/>  
  <times scope="actual" arrival="10:20:17" departure="10:24:13"/>  
</ocpTT>
```

That means that the train part arrived ca. five minutes too late and departed ca. one minute too early.

coord@timetable.railml.org (Joachim Rubröder) writes:

- > 1. There is currently no entity for a 'delay' event in the timetable but
- > several '...Delay' attributes within the statistic element

For simple arrival and departure delays the 'statistics' element is not needed, as shown above.

- > 2. A definit list of delay causes would be preferable, but is not
- > obvious to define

We agreed on an free string field, that may be pre-defined by a separate XML file from the railML domain and/or pre-defined by a customer specific XML file. The UIC-Leaflet would be a good starting point.

- > I would therefore suggest to provide an additional "any"-attribute for the
- > elements with delay information (mean, median, standardDeviation) as
- > immediate quickfix measure for the version 2.2

I would welcome an 'anyAttribute' in the 'times' element. As shown above, the 'statistics' elements are not needed for this kind of 'actual' data.

As discussed at the railML-conference in Zurich there are strong arguments against the exchange of 'statistics'-results because of the lack of transferring its algorithms and covered data set.

- > and keep the discussion

- > running to get an idea of the appropriate way of describing current data
- > and delays in a later version 2.3 or 3.0 of railML.

<http://trac.assembla.com/railML/ticket/170>

Kind regards...
Susanne

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