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Subject: new attributes in entry

Posted by [markus.ullius](#) on Tue, 05 Apr 2005 11:32:41 GMT

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Working on the RailML-import for OpenTimeTable I miss the attributes arrivalDelay and departureDelay. I propose to add them to the entry type having numeric values (seconds).

Best Regards

Markus

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Subject: new attributes in entry (add on)

Posted by [markus.ullius](#) on Wed, 06 Apr 2005 12:58:42 GMT

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After some discussions and thinking about it there could be several possibilities to have real data and the corresponding delays:

1) Have the "real" and "planned" data in the RailML-file to be imported. The problem with this variant is that you have to do a lot of housekeeping while merging the entries from "real" and "planned". Since as far as I can see no order is guaranteed (e.g. first in the file you have all planned data, then all real data or vice versa or you keep a train's data together e.g. by having all "planned" entries of a train followed by all "real" entries (or vice versa)). But to handle all these cases you'll build up datastructures in memory to merge "planned" and "real". This requires unnecessary memory and makes importing process complex.

2) Change the element <timetableentries>

Doing so you could store data of a train in the trainblock, the <timetableentries>-element could contain the "planned" or "real" element. Example:

```
<train trainID="x"...>
  <timetableentries dataStatus="planned">
    //the corresponding entries...
  </timetableentries>
  <timetableentries dataDateTime="2005-01-01 dataStatus="real">
    //the corresponding entries...
  </timetableentries>
  <timetableentries dataDateTime="2005-01-02 dataStatus="real">
    //the corresponding entries...
```

```
</timetableentries>  
</train>
```

This solution would at least keep a train's timetable-data together

3) Add elements in the <entry>-block

3a) arrivalDelay, departureDelay as numeric value or as duration

3b) scheduledArrival, scheduledDeparture as time, scheduledArrivalDay, scheduledDepartureDay

This solution (3a or 3b) would give a compact format having scheduled and planned timetabledata avoiding to have double timetable-structures (for planned and real) and to merge them in an uncomfortable way.

I would suggest 3a or 3b to keep things flexible and simple.

Best Regards  
Markus Ullius

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