
Subject: Re: RailML semantics, nextdeparture, recurringschedule

Posted by [tuomas.tiihonen](#) on Tue, 10 May 2011 11:52:48 GMT

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- > I'm not sure if I understand right, what you mean by your "Departure".
- > Could you please describe this a little bit more in detail?

Departure is concept in our system that knows following things:
trainnumber, vehicle type, route (route is ordered list of stations ~ OCPsTT), departureTime, other driving times (times when it arrives to other stations) AND next possible departures. So it is one train that goes around some route with specified times and with specified vehicle with unique train number. It sounds something like commercial train in RailML?

And the question was that, when one of such departures has ran from the beginning of the route to the end of the route it is time to make decision about the next departure.

Example:

Departure 1 goes route: city1-city2-city3

Departure 2 goes route: city3-city4-city5

Departure 3 goes route: city3-city4-city1

Departure 4 goes route: city5-city1-city2

Train 1 has ran departure 1 and are now in city 3. Now choice has to be made if next departure is departure 2 or 3 (both starts from city 3 and departure time is near the current time). Departure 4 is not one of the choices as it is not starting from city 3. The departure 1 knows the list of possible next departures (departure 2 and 3 in the example).

If all this is applied to RailML can you consider this:

Is the commercial train equivalent to Departure in RailML?

If the train is equivalent how can one train get list of next trains (=next departures)? in RailML?

>> operatingperiod->bitmask

> This is a bitmask for every day of a timetable period, describing if the
> train is running on this specific day.

>

>> operatingperiod->operatingday->operatingcode->bitmask

> This is a different more generic way of describing, like "running Mondays
> to Fridays only" with a week based bitmask. This is valid for any week
> with some further described deviances.

Can you please clarify the relations of the bitmasks. Which one overrides which?

> I hope this will clear up intentions behind the complex structures of

> railML a little bit.

Thank you for the clarifications so far, great help!

Sincerely,
Tuomas Tiihonen

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----- posted via PHP Headliner -----
