
Subject: Re: Timetable updates

Posted by [thomas.kauer](#) on Fri, 23 Apr 2004 06:35:04 GMT

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I think that should do it.

best regards

Thomas Kauer

Joachim Rubröder wrote:

- > So I suggest to form a new group of attributes for the train:
 - > <dataSource> the former <source>
 - > <dataDateTime> the former <date>, now with expanded type "dateTime"
 - > <dataStatus> new data, changed data, deleted data, ...
 - > in addition there will be the two new attributes
 - > <trainNumber> the train number (not unique)
 - > <trainStatus> planned train, canceled train, ...
 - > I think this should solve the problems about "Timetable updates"?
 - > best regards,
 - > J.Rubröder
-
- > Thomas Kauer schrieb:
 - >> I agree that we need a technical trainID that is independent of the
 - >> "outside" used train number.
 - >> On european level there is a project in work to follow international
 - >> trains between NL and I passing the alps (Europtirails). For this there
 - >> will be introduced a global trainID over all the way the train runs (over
 - >> all companies and countries) to which the locally used train numbers have
 - >> to be associated.
 - >>
 - >> Actually the idea is to use a combination of:
 - >>
 - >> - the train number at the beginning of the train
 - >> - the departure station
 - >> - the departure day/time (important since such trains can run for
 - >> more than 24h)
 - >>
 - >> but there is no final format defined yet as far as I know.

>>

>> The <status> would be needed not to identify the train but as additional
 >> information.

>> By the way, I see at least two kinds/groups of informations that could be
 >> treated as status:

>> - information about the train (running, canceled, planned, ...)

>> - information about the data (as suggested below: new data/train,
 >> changed data for an existing train, ...)

>>

>> best regards

>> Thomas Kauer

>>

>>

>> Joachim Rubröder wrote:

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>>> I agree that a trainID like "4712" is not enough to identify a train.

>>> For german DB we use a combination of line number, train number,
 >>> operating period and the timetable period as trainID and there are still
 >>> some identification problems to solve.

>>

>>

>>> What about:

>>

>>

>>> <trainID> technical ID to identify a train, used by the programs
 >>> (most often based on the train number)

>>

>>

>>> <trainNumber> new element for the train number, as used by railways
 >>> like "4712"

>>

>>

>>> <status> as suggested below, like "changed"

>>

>>

>>> <date> with new ISO8601-format xsd:dateTime instead of
 >>> xsd:date (a date with optional time, fractional seconds up to
 >>> nanoseconds are possible like "19941105T08:15:00301")

>>

>>

>>> best regards,

>>> Joachim Rubröder

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>>> Tobias Bende schrieb:

>>>
>>>> Thomas Kauer wrote:
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>>>> >In respect to possible future use of the timetable-schema as an interface
>>>> >for programs that treat with actual trains and not only with longtime
>>>> >planning it should support the possibility to give delta-informations for
>>>> >existing timetable data. So it would be useful to add the proposed
>>>> >attribute <status>.
>>>> >The <date> of the last change would be used in this respect to decide for
>>>> >multiple changes which one is the last, that is to say which one is
valid.
>>>>
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>>>>
>>>> An example where one would definitely need delta-information is a
>>>> day-of-operation system for railway companies. In such a system there
>>>> would be several updates per second.
>>>>
>>>> It has to be asked if the <status> attribute is adequate for indicating
>>>> changes. It could be if there existed some identity for each train, but an
>>>> artificial identity (like train number + date) is not enough. For example,
>>>> how would I send the information that train number 4711 is now called
>>>> 4712?
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>>>> >Joachim Rubröder wrote:
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>>>> >>This case is not especially treated in the schema. But you are free to
>>>> >>put a whole big timetable with thousand trains in a file, or to send
>>>> >>just a few update-trains. I think this is a task for the receiving
>>>> >>program to identify the trains as new or known ones.
>>>> >
>>>> >>There is the <date> attribute in <train> which could be used as date of
>>>> >>the last change and I thought about adding another optional attribute
>>>> >><status> in the <train> element (as used within SBB) wick could have
>>>> >>values like "new", "changed", "omitted", ...
>>>> >>Would this be helpful?
>>>> >
>>>> >>Joachim Rubröder
>>>> >
>>>> >>Tobias Bende schrieb:
>>>> >>

>>>> >>
>>>> >>>I have a question on updates of existing timetables. Given that a file
>>>> >>>with a complete timetable (especially in a format like RailML) is very
>>>> >>>large it is in practice often desirable to be able to send updates when
>>>> >>>something changes as opposed to recreate and send the entire file. Is
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>>>> this
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>>>> >>>something that has been considered?
>>>> >>>
>>>> >>>Tobias Bende
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