

## **Timetable – current developments**



# Timetable discussions in our forum



The screenshot shows the railML forum interface. At the top, there's a navigation bar with 'railML.org - Forum (read only)' and a 'User-Login' button. Below that, the forum title 'railML.timetable' is displayed. A search bar is present with the text 'Search railML.timetable:'. Below the search bar, there's a message: 'You must be logged in to post | [Mark all as read](#)'. The main content is a table of threads with columns for 'Thread', 'Last Author', 'Messages', and 'Date'. The table lists various discussion topics such as 'Explizite Kennzeichnung von gelöschten Zügen un...', 'Proposal: New optional attributes on type block', 'train uniqueness constraint II', etc. The footer of the forum page includes 'Powered by PHP Headliner' and 'Copyright ©2012 railML.org | [Sitemap](#) | [Contact](#) | [Imprint](#)'.

Thread	Last Author	Messages	Date
<a href="#">Explizite Kennzeichnung von gelöschten Zügen un...</a>	Christian Werm...	1 / 4	16 Sep
<a href="#">Proposal: New optional attributes on type block</a>	Horst Naujoks	0 / 3	16 Sep
<a href="#">train uniqueness constraint II</a>	Dirk BrÄ...	0 / 2	19 Jul
<a href="#">Fahrgastzahlen in railML</a>	Christoph Jobm...	2 / 5	14 Mar
<a href="#">problems with s: uniqueness constraints, s...</a>	Dirk BrÄ...	0 / 4	13 Mar
<a href="#">infrastructure train path: where to put path para...</a>	Andreas Tanner	1 / 3	13 Mar
<a href="#">circulations should be optional</a>	Dirk BrÄ...	4 / 4	12 Mar
<a href="#">train annotations</a>	Andreas Tanner	4 / 4	12 Mar
<a href="#">Stop posts for different train types (was: Haltef...</a>	Susanne Wunsch	1 / 1	11 Mar
<a href="#">Extension of places and service</a>	Joachim Rubroe...	13 / 13	7 Feb
<a href="#">constraints for OperatingPeriod</a>	Joachim Rubroe...	8 / 8	6 Feb
<a href="#">wiki: missing attribute description for additiona...</a>	Andreas Tanner	0 / 1	2 Jan
<a href="#">RFE for connection, DE-Anschluss</a>	Joachim Rubroe...	33 / 33	8 Dec 2012
<a href="#">Re: Steckenunterbruch/line blocking</a>	Christian Rahm...	1 / 1	5 Dec 2012
<a href="#">Re: Steckenunterbruch/line blocking</a>	Dirk BrÄ...	1 / 1	3 Dec 2012
<a href="#">stop probability</a>	Joachim Rubr&A...	18 / 18	29 Nov 2012
<a href="#">internationalized 'messageText' in 'connection'</a>	Joachim Rubr&A...	1 / 1	28 Nov 2012
<a href="#">Delay Causes Representation in RailML</a>	Susanne Wunsch	11 / 11	27 Nov 2012
<a href="#">reference from timetable's to I...</a>	Susanne Wunsch	4 / 4	27 Nov 2012
<a href="#">Ticket#77: vehicle services</a>	Andreas Tanner	1 / 1	19 Nov 2012

<http://www.railml.org/forum/ro/index.php>

## current discussion:

- communication process, «changed» or «deleted» trains
- train uniqueness
- ridership
- ...

# Timetable issues for future implementation



Ticket	Summary	Status	Owner	Type	Priority	Milestone ▲
#138	Beispiel ins Wiki fuer Fahrten ueber Mitternacht	assigned	joachim.rubroeder	enhancement	normal	Version 2.2
#224	train annotations	assigned	joachim.rubroeder	task	normal	Version 2.2
#229	Clarify semantics of 'additionalTrainNumber'	new	joachim.rubroeder	task	normal	Version 2.2
#21	Better Documentation inside schemas	new	joachim.rubroeder	task	normal	Version 2.x
#36	FormationTT with rail waybill (de: Frachtbrief)	new	joachim.rubroeder	enhancement	normal	Version 2.x
#37	FormationTT with dangerous goods indicator (de: Gefahrgutkennzeichen)	new	joachim.rubroeder	enhancement	normal	Version 2.x
#147	UIC Train Transport ID	new	joachim.rubroeder	enhancement	normal	Version 2.x
#170	Delay causes	new	joachim.rubroeder	enhancement	normal	Version 2.x
#188	"Actual" train data, "real-time changes"	new	joachim.rubroeder	enhancement	normal	Version 2.x
#220	passenger numbers along a section	new	joachim.rubroeder	enhancement	normal	Version 2.x
#1	Emergency Brake Bridging	new	joachim.rubroeder	enhancement	normal	Version 3.0
#110	Camel case in enumeration values	new	joachim.rubroeder	task	low	Version 3.0
#141	rename/changes in TT	new	joachim.rubroeder	task	normal	Version 3.0
#146	Element for train grouping	new	joachim.rubroeder	enhancement	normal	Version 3.0
#176	Degrade sub-element operatingPeriodRef to attribute	new	joachim.rubroeder	enhancement	normal	Version 3.0
#179	Harmonize length values	new	joachim.rubroeder	task	normal	Version 3.0
#187	Abstract operating periods	new	joachim.rubroeder	enhancement	normal	Version 3.0

<http://trac.assembla.com/railML/report/2>

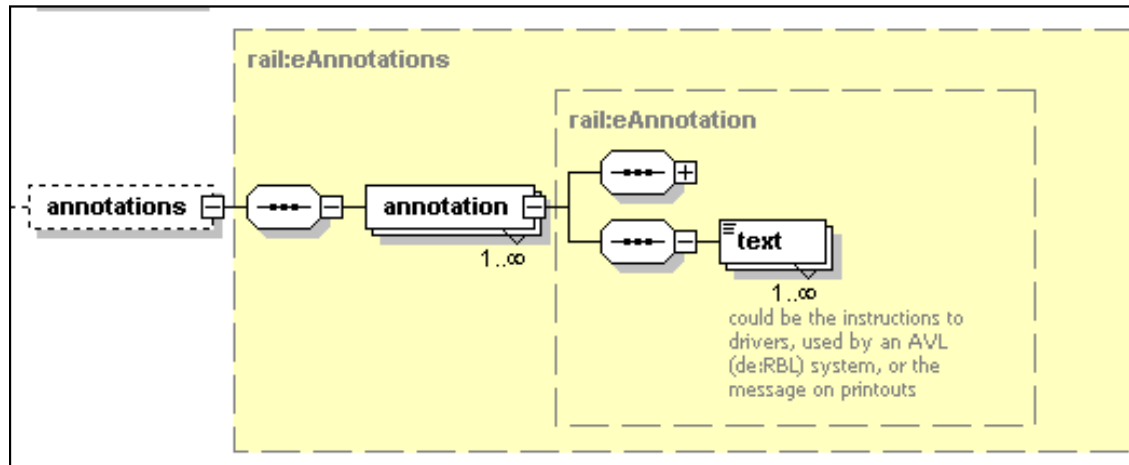
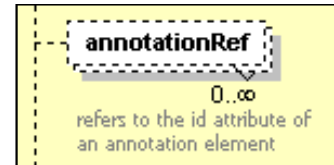
## planned issues:

- enhancements (after previous agreement in forum)
- tasks (refactoring, documentation)
- grouped by Version (no breaking changes in minor releases)

# Timetable annotations



S21 Lausanne				
Arrivée 19:36 voie 70				
Correspondances		voie qual	Remarques	
19:40	3	Bellevaux		
19:40		Sallaz		
19:41	1	Blécherette		
19:42	IC	Genève-Aéroport	5	Retard env. 4'
19:42	RE	Romont	1	Retard env. 4'
19:43		Croisettes		
19:43		Ouchy		
19:45	ICN	St. Gallen	8	



Linie	Ziel	Abfahrt zu Min.
5	Palétoleyn	6:57:11
11	Genèhof	6:57:10
18	Schächthausgasse	7:57:10
18	Burggasse - Stadthaus	7:57:10
52	Baumgarten	7:57:11
58	Unter St. Veit	7:57:11

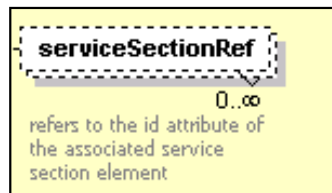
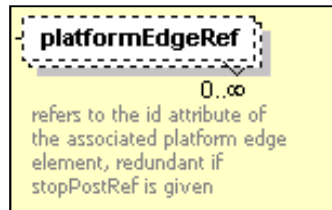
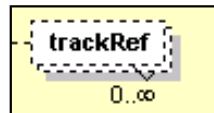
Westbahnhof  
U3, U6, 52, 58

## #224: train annotations:

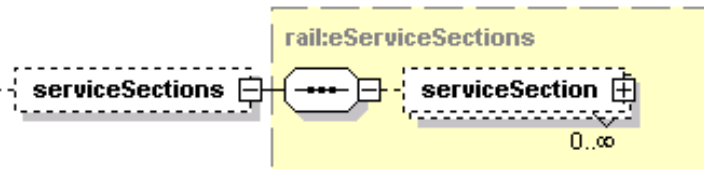
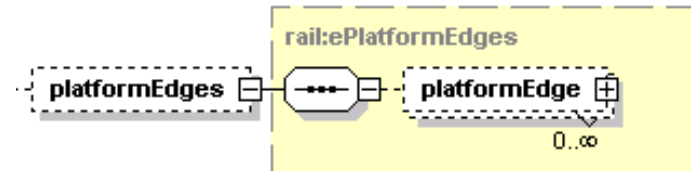
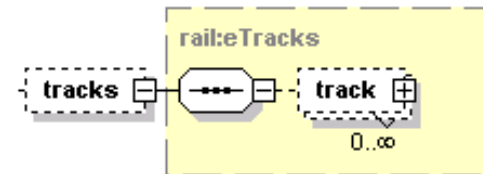
- defined as individual element
- referenced by trainPart, stopDescription or connection

# Timetable working with references

## timetable

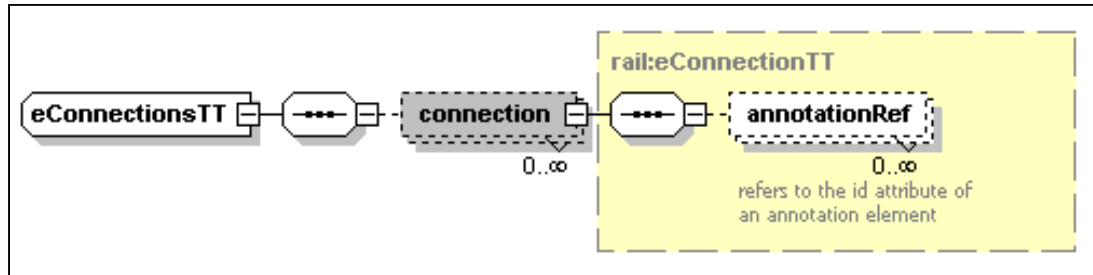


## infrastructure

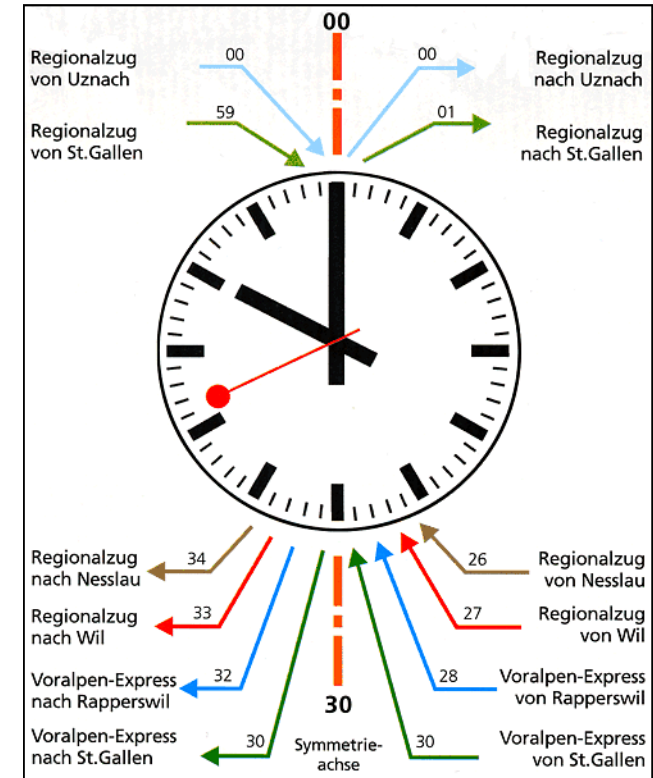


### #288, #195 using references:

- everything is defined in its proper environment
- references on track elements



Name	Type
trainRef	rail:tGenericRef
minConnTime	xs:duration
maxConnTime	xs:duration
connOperation	rail:tConnOperation
connType	rail:tConnType
ocpRef	rail:tGenericRef
trainPartRef	rail:tGenericRef
any ##other	

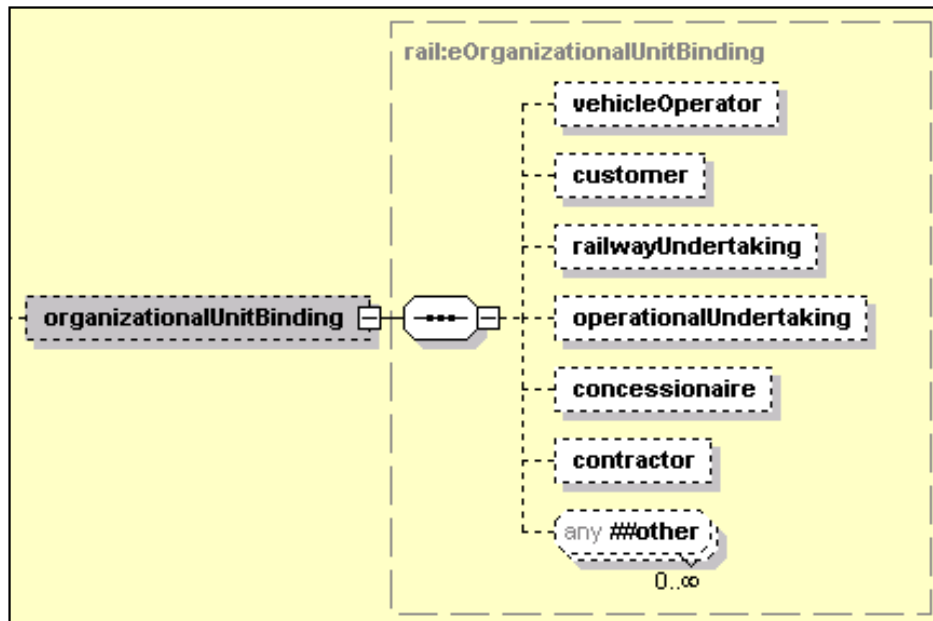


## #126: connection element:

- references on other trains
- train «is waiting for» or «is expected by» other train

# Timetable

## master data, organizational units



```
<register code="ENEE">
  <name>ENEE Database Station Code</name>
  <organization xml:lang="fr">UIC</organization>
</register>
<register code="IBNR">
  <name>IBNR</name>
  <organization xml:lang="de">Europäisches Fahrplanzentrum</organization>
</register>
<register code="RL100">
  <name>Betriebsstellenkürzel</name>
  <organization xml:lang="de">DB</organization>
  <remarks xml:lang="en">was DS100 or DV100 or Ril100</remarks>
</register>
```

```
<infrastructureManager code="PrR">
  <name>ProRail</name>
  <isoCountryCode>NL</isoCountryCode>
</infrastructureManager>
<infrastructureManager code="REF">
  <name>REFER</name>
  <isoCountryCode>PT</isoCountryCode>
</infrastructureManager>
<infrastructureManager code="RFF">
  <name>RFF</name>
  <isoCountryCode>FR</isoCountryCode>
</infrastructureManager>
```

### master data, organizational units:

- coherent use with infrastructure and rollingstock
- external maintained codes
- language independent (xml:lang)

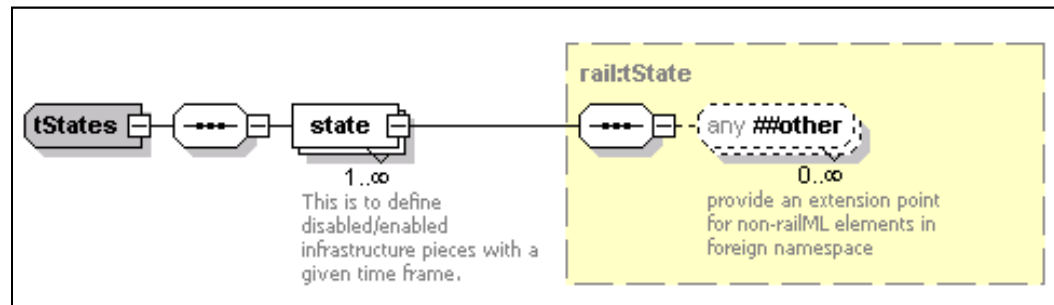


# Timetable delay causes, cancellations



Number Train	To	Status	Track
HE CORR SEC EWR	TRENTON	CANCELED	
REGIONAL	BOSTON	DELAYED	
SHUTTLE	SPRINGFIELD	DELAYED	
MID DIRECT SEC	MONTCLAIR	DELAYED	
NJCOAST SEC EWR	LONG BRANCH	DELAYED	
HE CORR SEC EWR	TRENTON	DELAYED	
HE CORR SEC EWR	TRENTON	DELAYED	
HE CORR SEC EWR	TRENTON	DELAYED	

STOPS AT SECONICUS EWR - STOPS AT NEWARK AIRPORT



## #170 delay causes, cancellations:

- how to communicate planned data vs. real data?
- how to communicate planned cancellations?
- shall we adopt «states» solution from infrastructure?



# Timetable

## Questions and comments?



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**Thank you  
for your attention!**

