
Subject: Missing 'any' attributes/elements

Posted by on Tue, 15 Sep 2015 13:32:17 GMT

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Hello all,

in addition to my request for an any attribute for the circulation element, I would like to propose a general extension of elements with "any"-attributes / -elements as an input for railML 2.3. In general, I think there is a lack of "any" attributes / elements within the <timetable> schema. One purpose of any elements / attributes is to extend railML in the short term without waiting for the next schema release. This means, that these extensions must be implemented in the schema before someone discovers the need for it. Since it's hard to predict, for which element extensions are needed in the future, it cannot be decided individually, which elements should have an any element or attribute. To minimize the effort for extending the schema, I wouldn't extend all elements globally. So I would propose the following rules to limit the amount of relevant elements:

- 1) all elements that have at least one attribute should also have an any-attribute, elements without attributes should not have an any attribute.
- 2) all elements that contain at least one sub element should also have an any-element, elements without sub elements should not have an any element.
- 3) exceptions are pure container elements, that exclusively group sub elements of one type, e.g. <trains>, <trainParts>, <rostering><blockParts>. These elements should not have any any elements or attributes.

According to these rules additional "any-attributes" are necessary for the following elements:

- <timetablePeriods><timetablePeriod><holidays><holiday>
- <operatingPeriods><operatingPeriod><operatingDay>
- <operatingPeriods><operatingPeriod><operatingDay><operatingDayDeviance >
- <operatingPeriods><operatingPeriod><specialService>
- <trainParts><trainPart><formationTT><equipmentUsage><equipment ><etcs>
- <trainParts><trainPart><formationTT><passengerUsage><places >
- <trainParts><trainPart><formationTT><reservationInfo><booking >
- <trainParts><trainPart><ocpsTT><ocpTT><statistics><statistic ><mean>
- <trainParts><trainPart><ocpsTT><ocpTT><statistics><statistic ><median>
-
- <trainParts><trainPart><ocpsTT><ocpTT><statistics><statistic ><standardDeviation>
-
- <trainParts><trainPart><ocpsTT><ocpTT><statistics><statistic ><statisticAnalyses>
- <trainParts><trainPart><ocpsTT><ocpTT><sectionTT><runTimes >
- <trainParts><trainPart><ocpsTT><ocpTT><stopDescription><stopTimes >
- <trains><train><trainPartSequence><brakeUsage><auxiliaryBrakes >

- <rosterings><rostering><circulations><circulation>

The same for "any-elements":

- <operatingPeriods><operatingPeriod><operatingDay>
- <trainParts><trainPart><formationTT>
- <trainParts><trainPart><formationTT><equipmentUsage><equipment >
- <trainParts><trainPart><formationTT><passengerUsage>
- <trainParts><trainPart><ocpsTT><ocpTT><connections><connection >
- <trainParts><trainPart><ocpsTT><ocpTT><statistics><statistic >
- <trainParts><trainPart><ocpsTT><ocpTT><sectionTT>
- <trainParts><trainPart><ocpsTT><ocpTT><stopDescription>
- <trains><train><trainPartSequence>
- <trains><train><trainPartSequence><brakeUsage>
- <rosterings><rostering><blocks><block><blockPartSequence >

Feedback would be appreciated.

Best regards
Christian Rößiger

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Subject: Re: Missing 'any' attributes/elements
Posted by [Philip Wobst](#) on Mon, 28 Sep 2015 12:42:06 GMT
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Hello Christian,

this approach would include the any-attributes you have suggested to add for the circulation element
(<http://www.railml.org/forum/ro/nextarticle.php?group=2&offset=0&thread=121&article=429>, TRAC ticket #267). This was discussed with the other schema coordinators but there does not seem to be an actual need for such a change in 2.3. For that reason a ticket #268 (<https://trac.railml.org/ticket/268>) was created for railML 2.3 limited to the <timetable> element only (IS in discussion).

The elements you have specified will be extended accordingly, if there are no concerns from the TT community as response to this thread.

Best regards,

Philip

With regard to the other schemas there is currently no need to add

Am 15.09.2015 um 15:32 schrieb Christian Rößiger:

> Hello all,
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> element, I would like to propose a general extension of elements with
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> Best regards
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Subject: Re: Missing 'any' attributes/elements
Posted by [Christian Rahmig](#) on Mon, 28 Sep 2015 12:59:53 GMT
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Dear railML IS users,

in the timetable scheme there has been the request to add more "any elements" to the railML schema. I would like to ask you if this request is also valid for infrastructure modeling? Please let me know if you need appropriate schema extensions. If required I would further ask you to create a list with all the elements where you need these new "any elements".

Thank you very much and best regards
Christian Rahmig

Am 28.09.2015 um 14:42 schrieb Philip Wobst:

> Hello Christian,
>
> this approach would include the any-attributes you have suggested to add
> for the circulation element

> (<http://www.railml.org/forum/ro/nextarticle.php?group=2&offset=0&thread=121&article=429>,
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Christian Rahmig

