Subject: missing minOccurs="0" for <trainBrakeOperation>
Posted by on Wed, 20 Jun 2018 12:42:46 GMT
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Dear Joerg,

when using the current railML schemes, I noticed that the new (since rev. #721) element <trainBrakeOperation> is compulsory. I presume this is possibly a mistake. In rollingstock.xsd, line 861 there is a
  minOccurs="0"
missing.

May I ask you to add this or do you really intend <trainBrakeOperation> to be compulsory?

Thank you,
with best regards,
Dirk.

Subject: Re: missing minOccurs="0" for <trainBrakeOperation>
Posted by Joerg von Lingen on Fri, 03 Aug 2018 03:29:46 GMT
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Indeed it was mistake - see [808] (https://trac.railml.org/changeset/808/railML)

Dirk Bräuer wrote on 20.06.2018 14:42:
> Dear Joerg,
>
> when using the current railML schemes, I noticed that the new (since rev. #721) element <trainBrakeOperation> is compulsory. I presume this is possibly a mistake. In rollingstock.xsd, line 861 there is a
> minOccurs="0"
> missing.
>
> May I ask you to add this or do you really intend <trainBrakeOperation> to be compulsory?
>
> Thank you,
> with best regards,
> Dirk.
>

Subject: Re: missing minOccurs="0" for <trainBrakeOperation>
Posted by on Mon, 01 Oct 2018 09:46:40 GMT
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Dear Joerg and all other's,

at the last telephone conference, I was asked to check the new r2.4 <rollingstock> railML XSDs for more possible missing optionals.

So, I compared rollingstock.xsd and rollingstockTypes.xsd
 rev. 814 (RC 2.4)
with
 rev. 611 (Original railML 2.3)
and searched for new <xs:element> definitions without "minOccurs='0'".

I only found the one more: In rollingstock.xsd
  <xs:complexType name="eVehicleBrakes">
     <xs:element name="vehicleBrakeOperation" type="rail:tBasicBrakeOperation"
maxOccurs="unbounded">
no "minOccurs='0'" occurs...

The "minOccurs='0'" is also missing at some new attributes but it seems to me that for attributes, it is not necessary (since older attributes also have none). (Sorry, I am not the best choice for this task since I lack some knowledge about XSDs.)

Joerg, please check this and, in case I am not mistaken, correct it for r2.4.

Please correct me in case I misunderstood or tell me what else should be done.

Best regards,
Dirk.

Subject: @minOccurs, @maxOccurs and @use
Posted by christian.rahmig on Tue, 02 Oct 2018 11:18:15 GMT
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Dear Dirk, dear all,

let me answer on behalf of Jörg:

elements... are by default mandatory (minOccurs="1" and maxOccurs="1") [1]

attributes... are by default optional (use="optional") [2]

Therefore, mandatory elements and optional attributes don't have to have
mentioned properties.

For the following cases, properties have to be provided in the schema:
* optional elements occuring once: minOccurs="0"
* optional elements occuring up to n times: minOccurs="0" and
maxOccurs="n" (with n being a positive number)
* mandatory elements occurinng up to n times: maxOccurs="n" (with n

being a positive number)
* mandatory attributes: use="required"

[1] https://www.w3schools.com/xml/schema_complex_indicators.asp
[2] https://www.w3schools.com/xml/schema_simple_attributes.asp

Best regards
Christian

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Am 01.10.2018 um 11:46 schrieb Dirk Bräuer:
> Dear Joerg and all other's,
>
> at the last telephone conference, I was asked to check the new r2.4 <rollingstock> railML XSDs for more possible missing optionals.
>
> So, I compared rollingstock.xsd and rollingstockTypes.xsd
> rev. 814 (RC 2.4)
> with
> rev. 611 (Original railML 2.3)
> and searched for new <xs:element> definitions without "minOccurs='0'".
>
> I only found the one more: In rollingstock.xsd
> <xs:complexType name="eVehicleBrakes">
> <xs:element name="vehicleBrakeOperation" type="rail:tBasicBrakeOperation" maxOccurs="unbounded">
> no "minOccurs='0'" occurs...
>
> The "minOccurs='0'" is also missing at some new attributes but it seems to me that for attributes, it is not necessary (since older attributes also have none). (Sorry, I am not the best choice for this task since I lack some knowledge about XSDs.)
>
> Joerg, please check this and, in case I am not mistaken, correct it for r2.4.
>
> Please correct me in case I misunderstood or tell me what else should be done.
>
> Best regards,
> Dirk.
>

Subject: Re: missing minOccurs="0" for <trainBrakeOperation>

Posted by christian.rahmig on Tue, 02 Oct 2018 11:25:11 GMT
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Dear Dirk, dear all,

Am 01.10.2018 um 11:46 schrieb Dirk Bräuer:
> [...] In rollingstock.xsd
> <xs:complexType name="eVehicleBrakes">
> <xs:element name="vehicleBrakeOperation" type="rail:tBasicBrakeOperation" maxOccurs="unbounded">
> no "minOccurs='0'" occurs...

has been corrected. Thank you!

> The "minOccurs='0'" is also missing at some new attributes but it seems to me that for attributes, it is not necessary (since older attributes also have none). (Sorry, I am not the best choice for this task since I lack some knowledge about XSDs.)

For attributes, please use the property use="required" or use="optional" (default).

Best regards
Christian

--
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