
Subject: Child elements with one value vs. attributes

Posted by [Joerg von Lingen](#) on Thu, 12 Apr 2018 03:39:36 GMT

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Dear all,

in the existing railML schema we have placed the information mainly into attributes. In the current development of IL

part it appears that there are several child elements containing only one value but no attribute at all (variant 1). I

would suggest to transfer such values into an attribute of the parent element whenever this is suitable (variant 2).

1) variant

```
<rail3:overlapReleaseTimer code="ovt01" id="ovt01">  
  <rail3:timer>PT60S</rail3:timer>  
  <rail3:overlapReleaseCondition>startTimerAfterVacating</rail3:overlapReleaseCondition >  
</rail3:overlapReleaseTimer>
```

2) variant

```
<rail3:overlapReleaseTimer code="ovt01" id="ovt01" timer="PT60S"  
overlapReleaseCondition="startTimerAfterVacating">  
</rail3:overlapReleaseTimer>
```

Best Jörg.

Interlocking coordinator

Subject: Re: Child elements with one value vs. attributes

Posted by on Wed, 13 Jun 2018 11:08:44 GMT

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Hello Joerg,

this question was discussed in the railML-TT-Telco on 13.06.2018. There was agreement that variant 2 should be used in the future. Variant 1 has not yet been used within railML-TT-2.x.

In special cases, modeling with its own sub-element, but with an attribute, should also be possible:

```
<rail3:overlapReleaseTimer code="ovt01" id="ovt01">  
  <rail3:timer duration="PT60S"/>  
  <rail3:overlapReleaseCondition condition="startTimerAfterVacating"/>  
</rail3:overlapReleaseTimer>
```

This may be the case if existing XSD types are to be used or if this modeling improves comprehensibility.

Many Greetings
Christian Rößiger

Am 12.04.2018 um 05:39 schrieb Joerg von Lingen:

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> 2) variant
> <rail3:overlapReleaseTimer code="ovt01" id="ovt01" timer="PT60S"
overlapReleaseCondition="startTimerAfterVacating">
> </rail3:overlapReleaseTimer>
>
> Best Jörg.
> Interlocking coordinator
>

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