
Subject: Re: How to mix switches and crossings en connections ?

Posted by [christian.rahmig](#) on Wed, 15 Jun 2016 06:01:41 GMT

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Dear Patrick,

thank you for your post and welcome to the railML infrastructure forum community.

Am 11.06.2016 um 11:57 schrieb Patrick Renaud:

```
> [...]
>
> <xs:complexType name="eConnections">
>   <xs:choice minOccurs="0" maxOccurs="unbounded">
>     <xs:element name="switch" type="rail:eSwitch"
>   minOccurs="0" maxOccurs="unbounded"/>
>     <xs:element name="crossing" type="rail:eCrossing"
>   minOccurs="0" maxOccurs="unbounded"/>
>   </xs:choice>
> </xs:complexType>
>
> [...]
>
> How can I describe both the switches and the crossings for
> one track ?
```

There should be no problem in modelling both switches and crossings in the same <trackTopology><connections> element.

As you can see from the schema, it is modelled as 'choice' that may occur several times. So, you have the choice between <switch> and <crossing> as many times as you want.

I validated this with the following code example code snippet:

```
<connections>
  <switch id="s85" pos="518.102673">
    <connection id="c64" course="left" ref="c65" orientation="outgoing"/>
  </switch>
  <crossing id="cr0909" pos="23.45">
    <connection orientation="incoming" ref="c65" id="c99"/>
  </crossing>
</connections>
```

Please let me know if your problem remains.

Best regards
Christian

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