
Subject: Re: Switch: usage of attribute @course
Posted by [christian.rahmig](#) on Tue, 13 Feb 2018 10:46:35 GMT
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Dear all,

please let me remind you on the following forum post about the use of <switch> attributes @course and @orientation. Please also consider the forum post by Claus Feyling on this matter (see [3]).

If there is no feedback from your side, we anticipate that for upcoming railML 2.4 you are happy with the current solution described in [4]. In any case, railML 3.x is going to implement a modified approach.

[3] <https://www.railml.org/forum/index.php?t=msg&th=516&start=0&>

[4] http://wiki.railml.org/index.php?title=Dev:Connection_between_n_tracks

Best regards
Christian

Am 05.04.2017 um 12:51 schrieb Christian Rahmig:

> Dear all,
>
> a standard question for railML newcomers is about the connection of
> tracks via switches and crossings in order to form a railway network.
> Some years ago, we created a Wiki page [1] for this topic. It became one
> of the most called railML wiki pages. However, some questions remained
> and I would like to bring the discussion here to the forum in order to
> find a final solution for upcoming version 2.4.
>
> The situation:
> A switch is situated in the beginning or the end of a track and may be
> connected to other tracks. See the following example:
>
> <track id="tr01">
> <trackTopology>
> <trackBegin id="tr01_tb" pos="0">
> <connection id="tr01_c01" ref="tr02_c01"/>
> </trackBegin>
> ...
> <switch id="sw01" pos="0" type="ordinarySwitch">
> <connection id="sw01_c01" ref="tr03_c01" orientation="incoming"
> course="left"/>
> </switch>
> </trackTopology>
> </track>
>
> The switch begin is located in the beginning of track "tr01". The main

> course of the switch is defined by the <connection> in line 4. The
> branching course of the switch is defined by the <connection> in line 8.
>
> The problem:
> The attribute @course may have the values "left", "right" and
> "straight". However, the choice of this value currently depends on the
> orientation of the track where the switch is located. The wiki page [1]
> shows this in four small figures (examples 1-4). Consequently, the same
> type of switch (with respect to its construction layout) may define its
> branch one time with course="left" and the other time with
> course="right" depending on the different orientation of the track where
> the switch is located.
>
> The question:
> I want to ask you if you understand the current implementation /
> understanding of railML track connection modelling or whether you
> support to change it in the future? Shall the choice of value for
> @course depend on the orientation of the track or shall it be
> independent and just linked with the construction layout of the switch?
>
> I am looking forward to receiving your comments. The main aspects of the
> discussion and the final solution will be tracked with railML Trac
> ticket #39 [2].
>
> [1] http://wiki.railml.org/index.php?title=Connection_between_tracks
> [2] <http://trac.railml.org/ticket/39>
>
> Best regards
> Christian
>

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