
Subject: Direction in radiusChange and gradientChange

Posted by [Susanne Wunsch railML](#) on Mon, 19 Apr 2010 09:23:15 GMT

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Does anyone need the 'dir' attribute inside the elements 'radiusChange' and 'gradientChange'?

What does an import filter do in case of missing this attribute?

If I need to apply the 'dir' attribute, I have to write lots of redundant information for both directions.

radiusChanges:

500-----1200-----

km ->

0-----300-----600

```
<rail:radiusChange id="rc0" pos="0" radius="500" dir="up"/>
<rail:radiusChange id="rc1" pos="300" radius="1200" dir="up"/>
```

```
<rail:radiusChange id="rc2" pos="600" radius="1200" dir="down"/>
<rail:radiusChange id="rc3" pos="300" radius="500" dir="down"/>
```

My favourite:

```
<rail:radiusChange id="rc0" pos="0" radius="500"/>
<rail:radiusChange id="rc1" pos="300" radius="1200"/>
```

No 'dir' attribute in 'radiusChange' and appropriate 'gradientChange'.

All '*change' definitions impact the track part with increasing 'pos' (relative positioning = track positioning) until the next similar '*change' element.

'speedChange' needs a different behaviour because there are often different speed aspects subject to direction.

How about the other '*change' elements?

Any comments would be appreciated.

Kind regard,
Susanne

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