
Subject: Re: [railML2] Single and double derailer
Posted by [christian.rahmig](#) on Fri, 10 Jun 2022 10:16:57 GMT
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Dear Georg,

thank you very much for your input related to requirements for a more detailed model of derailers in railML 2. As you know, we enhanced the derailer in railML 3.2. This includes the differentiation between single and double derailers via <derailerIS>@type and the default/preferred position of the derailer via <derailerIL>@preferredPosition.

For railML 2 I appreciate a solution that is very close to the modelling approach in railML 3.2. Therefore, I suggest not to use the already existing attribute <derailer>@kind as its values are defined according to the Railway Compendium "Railway Signaling and Interlocking" by Gregor Theeg: "blockDerail", "singleCatchPoints" and "doubleCatchPoints". In particular, I suggest the following approach:

- * add new attribute @type with values "singleDerailer" and "doubleDerailer"
- * use existing attribute @lockRef to link the derailer with a lock
- * add new attribute @preferredPosition with values "derailingPosition" and "passablePosition"
- * add new attribute @controllerRef to link the derailer with a controller element (interlocking)

Does this approach cover all your needs?

What does the community think about the need for a more detailed derailer model in railML 2?

Or is it sufficient to have a detailed derailer model implemented in railML 3?

Any comments are highly appreciated...

Best regards
Christian
