
Subject: [railML2] Single and double derailer
Posted by [Georg Boasson](#) on Thu, 31 Mar 2022 08:27:23 GMT
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We suggest using the @kind to describe this:

- derailerConnectedToInterlocking
- doublerDerailerConnectedToInterlocking
- derailerWithLock
- doubleDerailerWithLock

Further we also need to define the preferred position of the derailer, we suggest:

derailer@nor:preferredPosition: "passablePosition" and "derailingPosition"

See #2906 for railML3 modelling of double derailer (
<https://www.railml.org/forum/index.php?t=msg&th=855&start=0&>)

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
