
Subject: Re: [railML2] Single and double derailer
Posted by [Torben Brand](#) on Thu, 04 Jul 2024 11:10:19 GMT
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We have discovered that the norwegian railway sector would also need to relay the information contained in railML2 [1] for derailers:

kind: kind of derail device (cp. book "Railway Signalling and Interlocking" by Gregor Theeg and Sergej Vlasenko (Editors), p. 155)

- blockDerail: A block or wedge that fits over the rail. It will lift the flange of the wheel over to the outside of the rail.
- singleCatchPoints: Deflects vehicles in a similar manner as a <switch>, but with only a single tongue, in the rail through which the flanges have to pass.
- doubleCatchPoints: Deflects vehicles in the same manner as a <switch>, with two tongues, one on each rail.

Currently in railML3 [2]:

type: type of derailer from infrastructure/construction perspective (optional; xs:string)

Possible values:

- doubleDerailer: two derail devices installed on two rails
- singleDerailer: one derail device installed on one rail,

My questions:

1. Are "doubleDerailer" and "singleDerailer" both of type "blockDerail"?
2. can we add the value "singleCatchPoints" to the list for derailing tongues?
3. can we add "doubleCatchPoints" to the list for deflecting switches - for a simplified modelling where we do not have to model a ("deflecting") switch with a deflecting track and all other elements and attributes that come with a complete track modelling (this for tracks not in operational usage, just for safety)

With kind regards

Torben

[1] <https://wiki2.railml.org/wiki/IS:derailer>

[2] <https://wiki3.railml.org/wiki/IS:derailerIS>
