
Subject: suggestion for switchIS@type="crossingPart"
Posted by [Torben Brand](#) on Mon, 27 Oct 2025 12:01:25 GMT
[View Forum Message](#) <> [Reply to Message](#)

Topology of a double slip switch (switchIS@type="doubleSwitchCrossing") [1] can be univocally defined with use of the construct switchIS@type="switchCrossingPart" as explained in Dev:Double and single switch crossing [2].

The same requirement (for univocally definition of topology) exist also for single slip switch and simple crossings. But it seems wrong to use a "switchCrossingPart" for one of the two parts in single slip switches and for a simple crossing according to reality and existing railML term definitions.

singleSwitchCrossing: It is a point where two tracks cross each other and enable trains to move from one track to the other. It is combination of a simple crossing, switch and connecting tracks used to guide a train from one straight track to another as well as going straight across. It allows going in 6 directions.

Thus, I suggest introducing the new enumerations value in railML3.4:

switchIS@type="crossingPart"

with definition:

crossingPart: a crossing part of a singleSwitchCrossing or crossing segments part of a simple crossing

We would need a slight adjustment to the term definition of:

belongsToParent: reference to the one and only parent switch or simple crossing of this switch or crossing(segment) (to be used at switch crossings or simple crossings)

This for UC SCTP without screen coordinates. Whit use of an automated layouter to draw the topology.

[1] <https://wiki3.railml.org/wiki/IS:switchIS>

[2] https://wiki3.railml.org/wiki/Dev:Double_and_single_switch_crossing
