Subject: Definition suggestion for isTrainMovementSignal and its suggested attributes

Posted by Torben Brand on Wed, 06 Mar 2024 08:33:47 GMT

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As suggested in the previous post the SCTP working group should make definition proposals for the suggested IsTrainMovementSignal attributes. In SCTP meeting 1.3.2024 I was asked to publish a proposal here as a basis for discussion.

My proposals are.
1. Change definition of <IsTrainMovementSignal> element. This as the current definition is over defined and we need a system independent definition of isTrainMovementSignal.

Current definition is (only published the last few weeks on wiki):
IsTrainMovementSignal: "signal for transmitting a command from traffic control to the train driver by optical means for stopping or proceeding, e.g. main signal, distant signal, signal repeater, shunting signal"

This is over defined:
"from traffic control" is defined through signalIL@isWired (defined as is Central Controlled)
"by optical means" is defined through signalConstruction@type=light

So we suggest a new definition:
IsTrainMovementSignal: "signal for a command to the train driver for stopping or proceeding (a movement authority)"

For definition of @type we suggest to either use existing definitions for railML2 signal@type [1] or use these suggestions:
• main: signal with highest safety level for train movement authority
• distant: this signal indicates the aspect of an upcoming movement signal but gives no movement authority on it own.
• repeater: this signal repeats the aspect of a movement signal/the movement authority.
• shunting: signal for degraded safety level for train movement (secondary to "main", but with more flexible operations)

[1] https://wiki2.railml.org/wiki/IS:signal