
Subject: Re: [railML3.3] Signal combinations

Posted by [Jörg von Lingen](#) on Wed, 10 Apr 2024 15:14:04 GMT

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Dear all,

the modelling of several signals at one position (one pole) shall be as in the attached graphic. In interlocking there is one SignallL element for each different signal referring to an individual counterpart in infrastructure.

In infrastructure there is one SignallS element for each different signal type. Each is referring with "belongsToParent" to a SignallS element as the container for all signals at this point. The container carries the information of the mechanical construction and the position which is common for all the signals at this mount point.

As explained in <https://development.railml.org/railml/version3/-/issues/533> the basic signal type is included in isTrainMovementSignal element. Whereas the interlocking function is defined in SignallL.

There is the proposal to add attribute "withShuntingFunction" as boolean in SignallL. This shall be used as a marker that this signal (IS type=main, IL function=entry|exit|intermediate|group|junction) can be start or end of a shunting route, i.e. shows a shunting aspect. This is especially useful for ETCS markerboards for main and shunting routes as we decided to deprecate the function "main+shunting" in SignallL.

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Best regards,

Joerg v. Lingen - Interlocking Coordinator

File Attachments

1) [SignalCombination.pdf](#), downloaded 131 times
