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Subject: [railML3] railway signal documentation, schema improvement

Posted by [Larissa Zhuchyi](#) on Wed, 14 Jun 2023 16:14:19 GMT

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Dear all

With this post, railML.org continues the discussion on the railway signal modelling in railML 3, e.g. entry signal which is the main signal protecting the entrance of a station from the open line.

For background information see the previous post [1], for infrastructure context - our parallel branch [2].

The discussion aim is to solve the distinction between the physical and the functional aspects of a signal. Functional aspects should go to the interlocking schema, while physical ones go to the infrastructure.

Possible changes will be implemented in railML 3.3. Missing documentation will be added to railML 3.2 (railML 3.3 inherits).

Below you can see the results of the discussion with the coordinators.

railML.org wants to collect your thoughts (agree, disagree, detailed answer) on the following two points in the infrastructure follow-up [3].

Clarification for wiki.

(1) `/railML/infrastructure/functionallInfrastructure/signalsIS/signalIS/@isNotWired` is antonym of `/railML/infrastructure/functionallInfrastructure/signalsIS/signalIS/@isSwitchable`.

`isNotWired` means that this signal is not linked to the interlocking. `isSwitchable` is "TRUE if the signal is able to show several signal aspects, and FALSE if the signal is a static panel that always shows the same signal aspect" [4].

Changes of schema to implement in railML 3.3.

(2) `/railML/interlocking/assetsForIL/signalsIL/signalIL/@function` has imprecise enumeration, "main" should be deprecated [5].

Sorry for repeating myself, yet please provide your thoughts (agree, disagree, detailed answer) on these points in answers to the infrastructure follow-up [3].

[1] <https://www.railml.org/forum/index.php?t=msg&th=648>

[2] <https://www.railml.org/forum/index.php?t=msg&th=899&start=0&>

[3] [https://www.railml.org/forum/index.php?t=msg&th=899&goto=3098&#msg\\_3098](https://www.railml.org/forum/index.php?t=msg&th=899&goto=3098&#msg_3098)

[4] <https://wiki3.railml.org/wiki/IS:signalIS>

[5] <https://wiki3.railml.org/wiki/IL:signalIL>

Sincerely, Larissa Zhuchyi

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