
Subject: railML v3.1 beta released

Posted by [christian.rahmig](#) on Tue, 31 Oct 2017 22:35:24 GMT

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Dear railML community,

today the first public beta version of railML 3.1 has been released by railML.org [1]. This release marks the important intermediate result on the way to a new baseline of the railway data exchange format railML.

railML 3.1 beta is available for download on the railML website [2]. The ZIP file contains:

- * the automatically generated HTML documentation with diagrams of the railML3 UML model,
- * the automatically generated XSD export with the schema files, the codelists and an example file,
- * the automatically generated XMI (v2.4.1) export

This beta release of railML 3.1 focuses on fulfilling the model requirements of the selected priority 1 use cases "Network Statement", "RINF Reporting" and "Schematic Track Plan" [3].

The resulting model covers the following aspects:

- * generic topology model based on RailTopoModel v1.1 [4]
- * standardized geographic positioning model using GML point and line string types
- * powerful time dimension model covering needs from infrastructure and timetable domain
- * modular structure of infrastructure scheme with flat element hierarchy to enable easy future model extensions
- * detailed model of functional infrastructure, in particular:
 - lines and operational points
 - tracks, buffer stops, switches and crossings
 - electrification
 - overCrossings, underCrossings and levelCrossings
 - platforms, platformEdges and stoppingPlaces
 - signals, balises and trainProtectionElements
 - trainDetectionElements
 - trackbed parameters
- * ...

I would like to thank all the "early users" who contributed to the development process by giving feedbacks and by challenging the model against the requirements: This model is your model ;-)

Last, but not least, I want to encourage everyone to join the ongoing development process and to provide feedback on the current railML v3.1 beta version. In order to enable open discussions, please write your

comments and questions directly into the railML (infrastructure) forum [5].

Thank you very much and best regards
Christian Rahmig

- [1] <https://www.railml.org/en/public-relations/news/reader/railml-3-1-released.html>
- [2] <https://www.railml.org/en/download/schemes.html>
- [3] <http://wiki.railml.org/index.php?title=IS:UseCases>
- [4] <http://www.railtopomodel.org/en/homepage.html>
- [5] https://www.railml.org/forum/index.php?t=thread&frm_id=4 &

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