

6TH RAILTOPOMODEL CONFERENCE

CONFERENCE
ON APRIL 19TH, 2016
AT UIC HEADQUARTER PARIS

The RailTopoModel Project, led by UIC with major contributions from multiple Infrastructure Managers and Industry, aims at defining a universal description of railways business objects. “Universal” description has a precise meaning:

- designed to fit multiple usages (agnostic),
- structured in layers (topology, positioning, infrastructure, signalling, project life cycle...),
- open to future evolutions (capacity allocation, traffic management, asset management...).

RailTopoModel® is now embodied by an International Railway Standard, IRS 30100, published by UIC, the worldwide standardisation body for railways.

This industry standard is developed to be applied in all business processes dealing with the design, construction, operation and maintenance of a railway network.

RailTopoModel Project aims at covering progressively the complete Railways Business Objects Model. IRS 30100 is published as the structuring foundation for further developments of the RailTopoModel Project.

Purpose is interoperability in railway data exchange, with a high level of quality, reliability and performance while reducing costs.

Means are [open standards](#) and a [shared toolset](#):



» A common language on business objects:

- rail topology at all levels (tracks, lines, corridors),
- multiple referencing and positioning systems (linear, geographical), installations and properties (described by spot, linear, or surface objects), routes, business events (circulations, works, incidents), etc.

» A standard format for data exchange, based on this structuring and quality proven model : railML®3, a major version from railML.org

» A first set of [Open Source Tools](#) to ease interoperability of railway data:

- [Quality Toolbox](#) to check quality of railML files (sender or receiver side)
- [Geographical Data Viewer](#) to visualise railML files

» One [priority for 2016](#), led by Norway, Austria and France, is to complete the RailTopoModel with the classes and attributes necessary to publish Network Statements under the railML®3 format, readable by end users with a related iteration of railVIVID.

EVENING EVENT ON THE 18TH OF APRIL

- 19:00** | Registration
- 19:30** | BIM initiatives and projects in railway sector around the world: need for standards
Christophe Castaing, EGIS International
- 20:00** | Get together: Discussion, Fingerfood and Networking @ UIC

APRIL 19TH, 2016
Conference Agenda
— AT UIC HEADQUARTER —
16 rue Jean Rey 75015 Paris

www.railtopomodel.org/conference.html
**FREE
REGISTRATION**



KEYNOTE

09:30 European Digital Single Railway Area -
a EU strategy to serve customers and the sector

Kathrin Obst, European Commission

MEANS

10:10 RailTopoModel: standard IRS 30100, and supporting
documents - not just for specialists

Airy Magnien, UIC

10:40 **Coffee Break**

THE VOICE OF DATA OWNERS

11:00 Insight into SNCF Open Data

Guillaume Leborgne, SNCF

11:20 Open Data at Deutsche Bahn

Axel Sommer, Michael Binzen, DB

11:40 Open Data - together for an attractive public
transport in Switzerland

Christian Trachsel, SBB

12:00 **Lunch Break**

DATA EXCHANGE

13:00 Data exchange: railML[®] 3.0.1

Christian Rahmig, railML.org

Data verification: railVIVID 1.0

Vasco Paul Kolmorgen, railML.org

USE CASES

13:50 Interlocking: Next major release of RailTopoModel?

Bob Janssen, railML.org

14:20 EULYNX contribution to standardisation in signalling

Maarten van der Werff, Prorail

14:50 **Coffee Break**

GOVERNANCE

15:10 Managing the standard and the toolsets

Alain Jeanmaire, SNCF Réseau

COMPANY PRESENTATION

15:40 RTM from the point of view of software editors

Fabrice Simonin, GiSmartware

CLOSING

16:00 Conclusion: UIC and railway community contribution
to digitalisation

Marc Antoni, UIC

Next RailTopoModel & railML[®] conference
— WILL TAKE PLACE —
IN AUTUMN 2016
AT UIC HEADQUARTER IN PARIS