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, signaling, 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 standardization 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 : railML3®, 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 visualize 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 railML3 format, readable by end users with a related iteration of railVIVID.

EVENING EVENT ON THE 18TH OF APRIL

19:00	Registration
19:30	Opening minds: Digitalisation and standards - Antipodes or supporters **Star guest : N.N.**
20:00	Get together: Discussion, Fingerfood and Networking @ UIC

uic RTM railTOPOMODEL railML.org

APRIL 19TH, 2016

Conference Agenda

AT UIC HEADQUARTER

16 rue Jean Rey 75015 Paris

	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	**N.N., SNCF Réseau**
11:20	Open Data at Deutsche Bahn	**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: common developments in this sector	**Marten 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	**GiSmartware**
	CLOSING	
16:00	Conclusion: UIC and railway community contribution to digitalization	**Jean-Pierre Loubinoux, UIC**

Next RailTopoModel & railML® conference

WILL TAKE PLACE

IN AUTUMN 2016

AT UIC HEADQUARTER IN PARIS