

Rail-topo-model and railML[®]

The foundation for a Universal Infrastructure Data Exchange Format

unity, solidarity, universality

Business Issue

The whole railway sector deals every day with multiple data exchanges. Most of the information focuses heavily on Rail network topology, location, properties and relationships.

Due to the lack of a common standard, railway companies are continually re-inventing specific data formats specific to each project.

This absence of a common standard introduces additional cost and lead-times on all projects, and reduces opportunities for the development and deployment of open, shareable solutions.

It also slows down the development of off-the-shelf interoperable solutions from industry partners of RU/IMs

Opportunity

The combined experience of European Infrastructure Managers and Industry partners now opens the way to model a standard representation of the railway topology, and provide the basis of an open, scalable and extendable exchange data format.

The RailML initiative provides the framework to build a powerful exchange format to support current business needs as well as their future direction.

The RINF European project for a global Railway Infrastructure Repository, led by ERA, provides the opportunity to implement the data exchange format to collect this data from all European Member States

Proposal

The ERIM conference, September 17th, organized by UIC with the contribution of several Infrastructure Managers, ERA and railML.org, proposes a target and road map to design, build and deploy a solution to fit your business requirements in this domain.

Who is concerned ?

- The whole railway sector: Infrastructure Managers, Railways Undertakings, National and European Authorities, Manufacturers and industrial partners, IT industry,...
- Business and IT teams in Asset Management, Engineering, Signalling, Scheduling and route management...