

Development of interoperable digital solutions on TEN-T and Silk Road from the European R&I perspective

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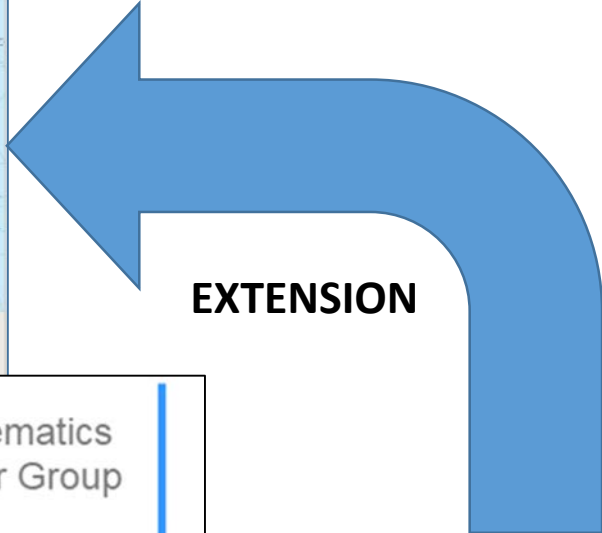
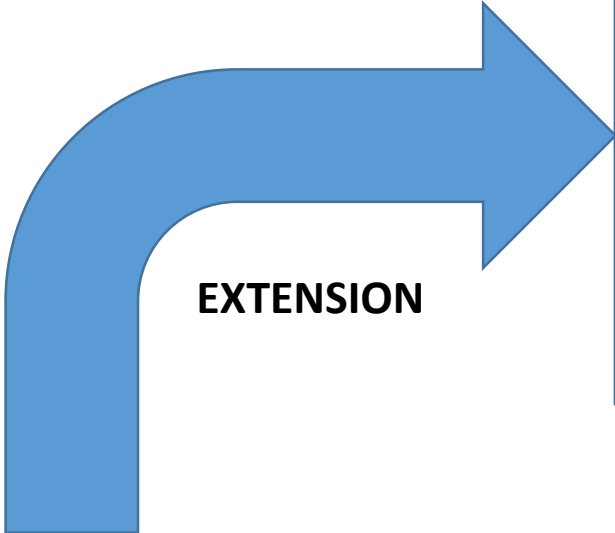
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@Shift2Rail_JU
#Horizon2020

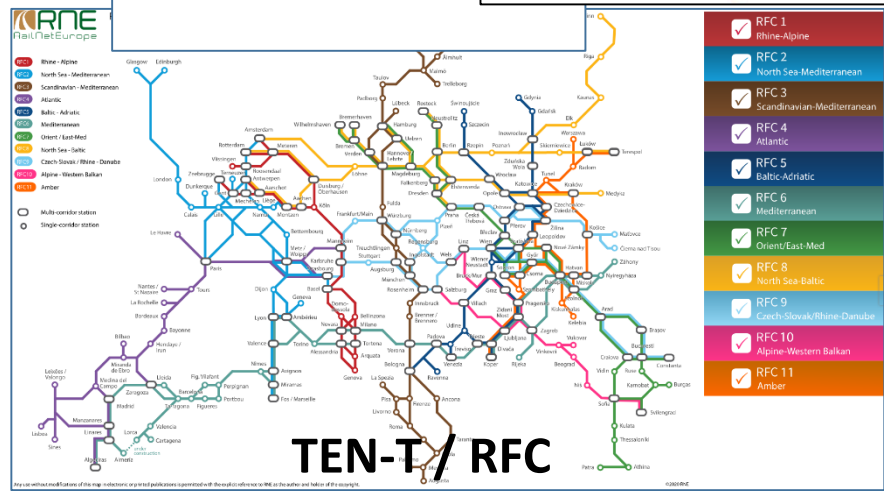


COMMON LEGAL AND TECHNICAL INTEROPERABILITY - COOPERATION



JSG

RU/IM Telematics
Joint Sector Group



ORGANISATION INTERGOUVERNEMENTALE POUR LES TRANSPORTS INTERNATIONAUX FERROVIAIRES
ZWISCHENSTAATLICHE ORGANISATION FÜR DEN INTERNATIONALEN EISENBAHNVERKEHR
INTERGOVERNMENTAL ORGANISATION FOR INTERNATIONAL CARRIAGE BY RAIL

OTIF

Analysis of how OTIF should proceed with TAF TSI

OTIF address number: CERKL1

Jan Hampl



CSIRT (Computer Security Incident Response Team) is a multi-layered model (Organisational, Operational, Technical Platform)



cyber-protection and cyber- defence tools & practices; threats known in the IoT; ICT trusted for critical applications.



blockchain-based solution for the attribution of data costs across organisational boundaries,



GNSS-based ERTMS Applications scenarios

New Automatic Couplers (DAC)

FR8RAIL

Telematics and Electrification Condition Based Maintenance (CBM) Cargo Monitoring System (CMS). service transponder for freight, wagon On-Board Unit (wOBU)

FR8RAIL II

Improved methods for annual and short-term timetable planning

Improved short term planning for freight traffic including improved interaction between yards and the network.

FR8RAIL III

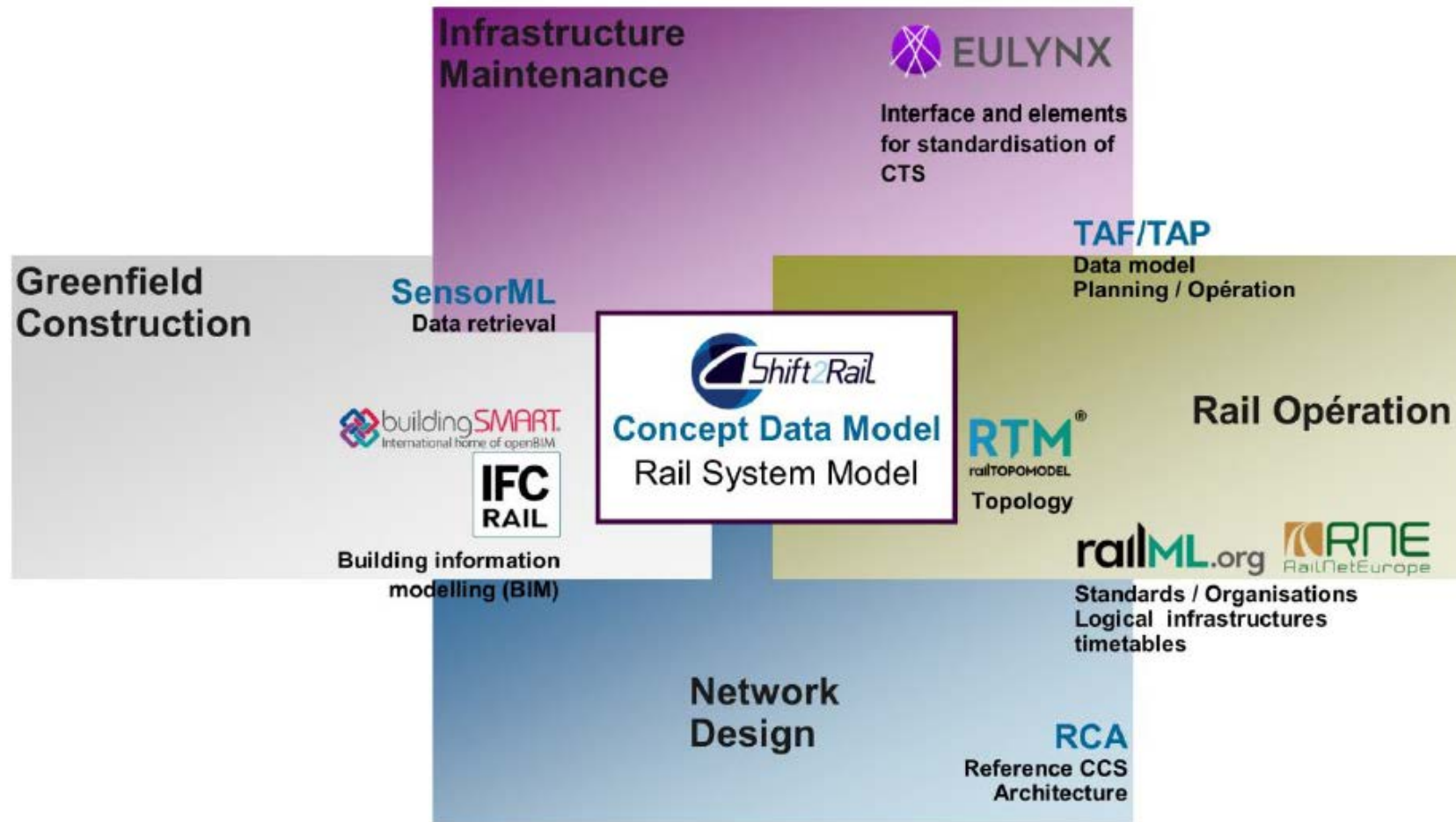
fr  hub

Real-time network management

Freight wagon design



LinX4Rail



A common Functional Rail System Architecture

Shift2Rail Conceptual Data Model (CDM) the standard for interactions between **legacy and new systems** ensuring sustainable interoperability between systems.



Operational procedures for Moving Block and Virtual Coupling signalling - identification operational differences from traditional signalling to provide recommendations for easier implementation of Moving Block.

Radio-based communication

Automated Vehicle communication for fast-tracking Virtual Coupling development.

Virtual Coupling including impacts on different railway market segments in terms of costs, performance and operator needs.

