FREIGHT

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Freight at UIC

Objectives

- Enhance interoperability
- Digitalisation of processes
- Ensure safety&security
- Enhance productivity

Geographical scope

- Europe
- Asia
- Middle East

Tools

- CEO Task Force
- Projects
- Expert Groups

HQ

- 5 advisors
- Annual budget approx 800k
- 10 – 15 projects
- 10 Expert groups
- 3 Special Groups

Strategic Goals / CEO driven

Strategic Goal 1
RUs need to further improve
UIC PMO

Strategic Goal 2
Need easy access to infrastructure
UIC PMO

Strategic Goal 3
Level playing field
CER PMO

Work programme alignment with SG 1

Braking and train composition

- Sponsor DB&RCG
- Unified braking scheme agreed by European RUs

Xborder Language

- SponsorSBBC
- Harmonised predefined messages /pilots with IMs

Xborder Sections

- Sponsor SBBC
- Definition of the optimal border section from RU viewpoint

Work programme alignment with SG 1

Intelligent wagon (e-wag)

- Sponsor SNCF
- Functional specification and guidelines for interoperable sensors and telematic devices for wagons and intra-train communications

Rolling stock data exchange

- Sponsor DBC
- Business case and implementation plan for connecting to the rolling stock data broker
- Strategic deployment plan /roll out plan for the GCU members

ETA

- Sponsor RCG
- Identification and development of a software platform
- Pilot for aggregation of forecasts for segments in route

INTEROPERABILITY

Wagons
- Wagon User Study Group
- GCU development
- Management of wagon exchange
- Challenges of the future

ATTI
- UIC Special Group
- More than 100 railway undertakings
- Technical Transfer Inspection
- Safety and Interoperability

Combined transport
- UIC Special group
- Technical input for Directive revision and aerodynamic appendices
- Market watch
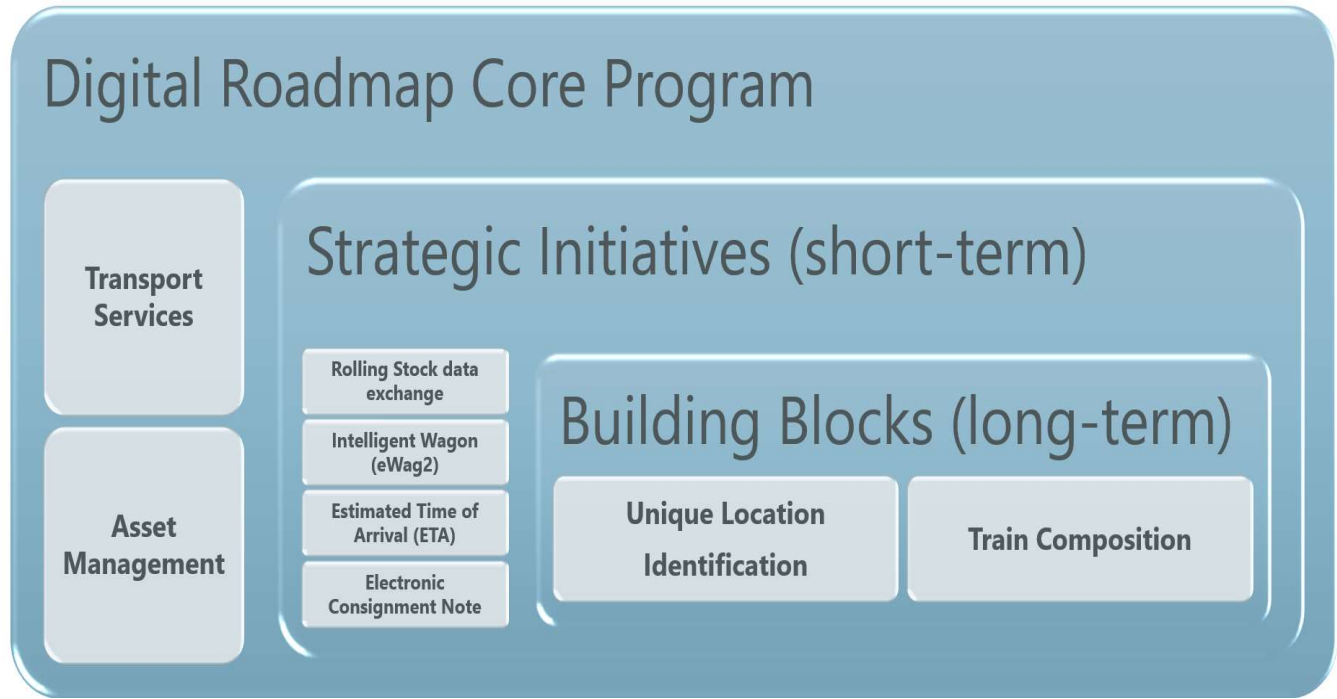- Work with CT operators

Corridors (RFCs)
- Harmonisation of processes
- Contingency management
- Technical input for Regulation revision
- Operational support for Sector Statement

DIGITALISATION OF PROCESSES

Data exchange & digital

- Raildata (development and production of central information and data exchange systems for freight)
- CIO Task Force

Digital Roadmap Core Program

Transport Services

Asset Management

Strategic Initiatives (short-term)

Rolling Stock data exchange

Intelligent Wagon (eWag2)

Estimated Time of Arrival (ETA)

Electronic Consignment Note

Building Blocks (long-term)

Unique Location Identification

Train Composition

SAFETY AND SECURITY

Loading Guidelines

- Use of wagons
- Wagon loads
- Permissible dimensions
- Methods of loading and securing
- Covering of loads
- Exceptional consignment

Dangerous goods

- Sector watch on evolution of regulation
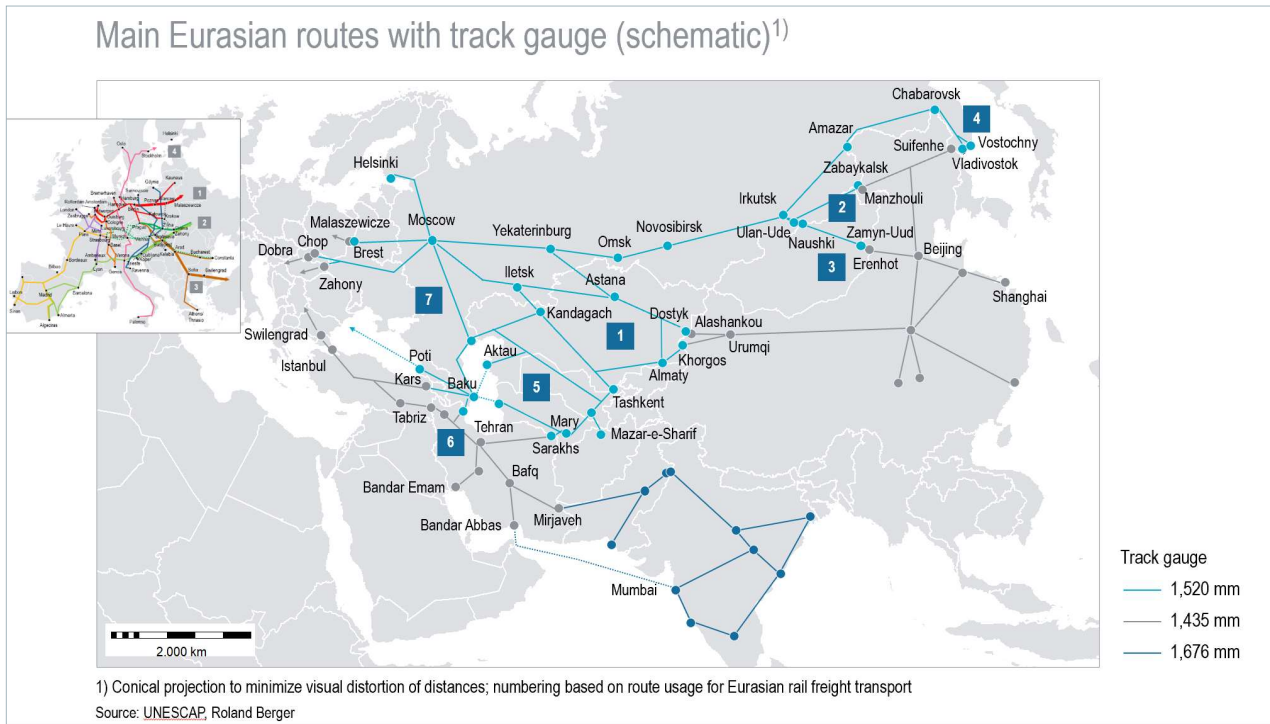- Position rail vis à vis competing modes
- Emergency planning

ATTI QMS

- Monitor irregularities in relation to pre-agreed process for wagon hand over

Freight beyond Europe

Main Eurasian routes with track gauge (schematic)[1]

Track gauge
— 1,520 mm
— 1,435 mm
— 1,676 mm

2.000 km

1) Conical projection to minimize visual distortion of distances; numbering based on route usage for Eurasian rail freight transport
Source: UNESCAP, Roland Berger

- Market watch/studies

- Partnerships
    - CCTT
    - ESCAP
    - ADB
    - ECO
    - etc

- Project development
    - e-Seals
    - Blockchain

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Thank you for your kind attention.