



Rail as the backbone for logistics: challenges and solutions

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A physical network without common software

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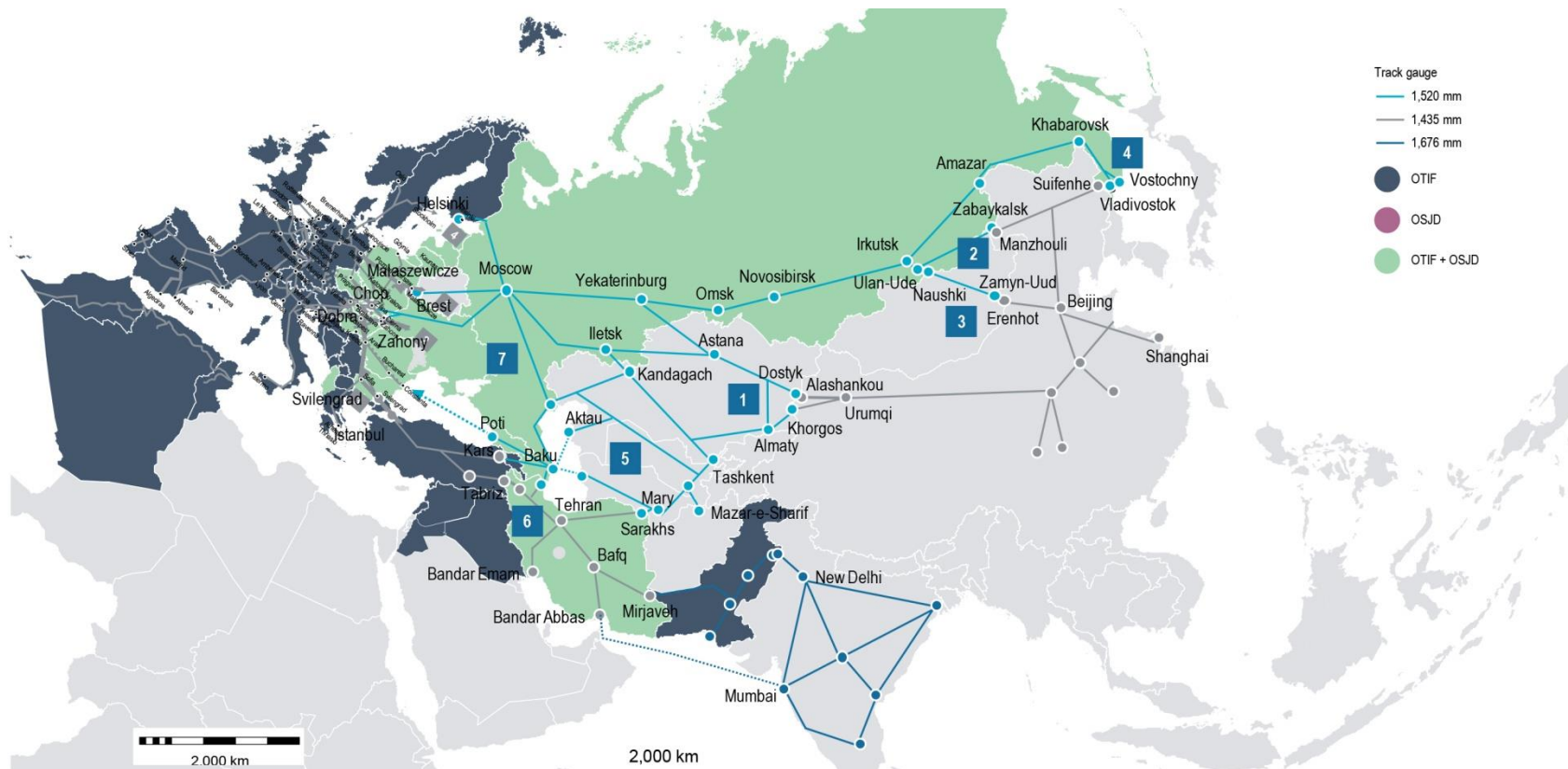


A physical network without common software

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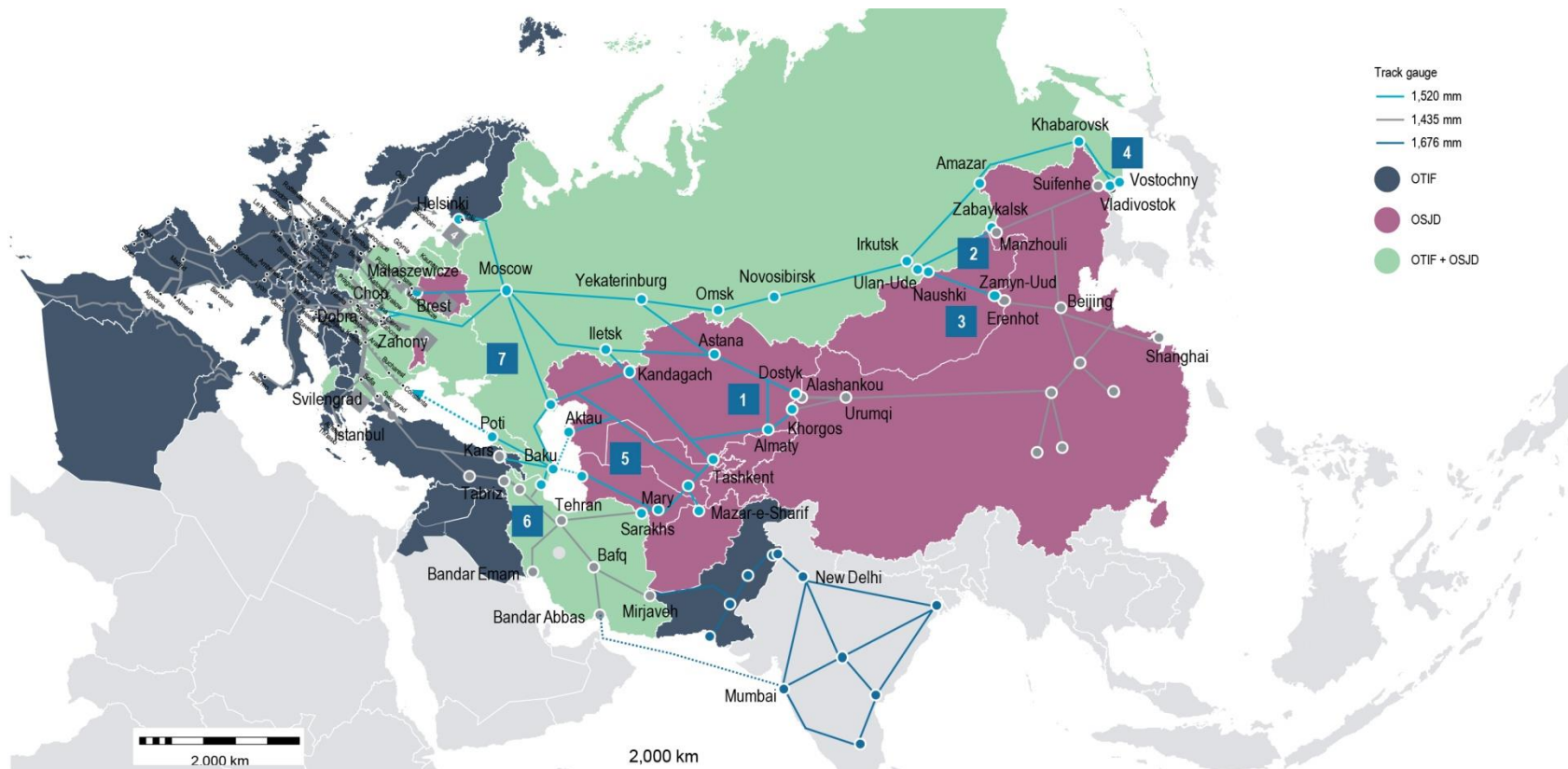


A physical network without common software



A physical network without a common software

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Rail as a backbone for seamless mobility ?

A network diagram with a central blue arc and various nodes and connections. The background is a complex web of thin grey lines connecting numerous circular nodes of varying sizes and shades of grey. A prominent, thick blue arc curves across the upper half of the image, passing through several of the nodes.

Internal regulation

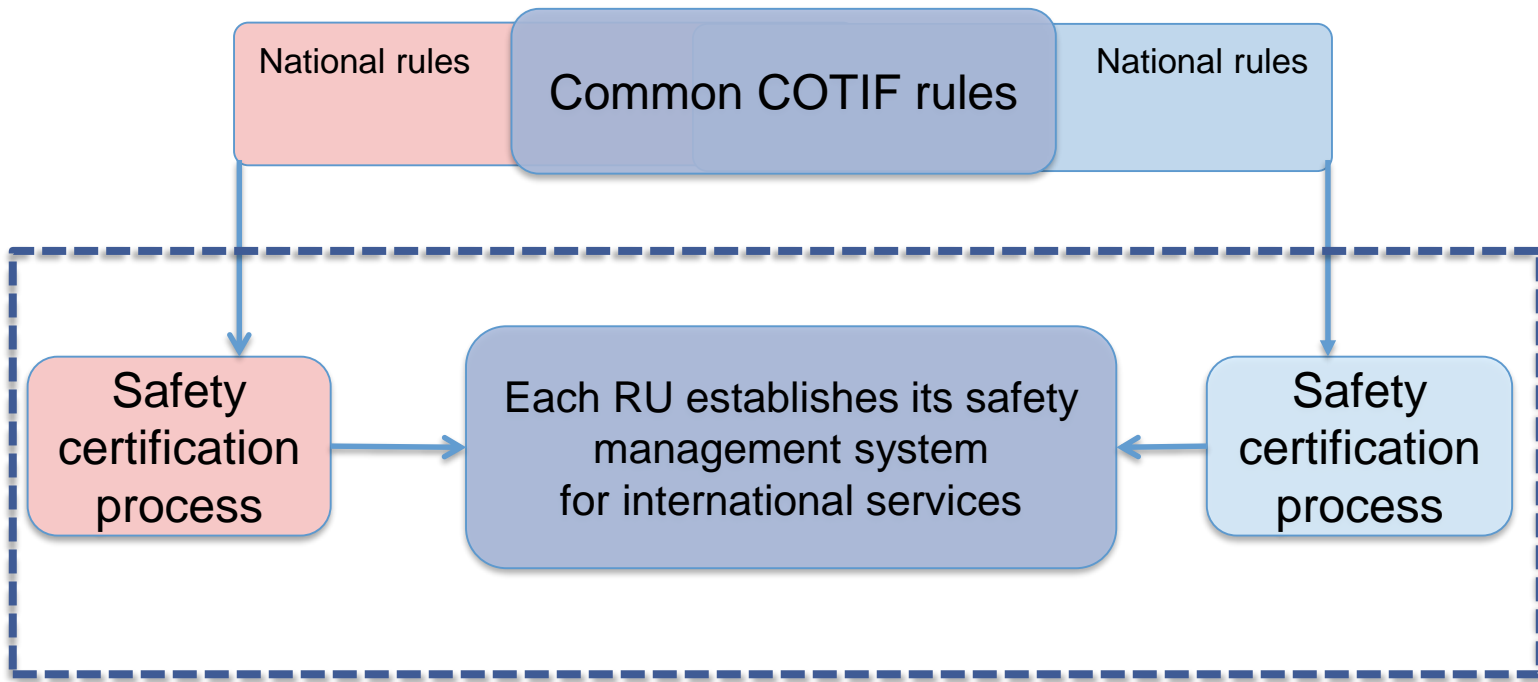
1. Minimise the internal complexity of the rail system
2. Create interoperable train paths
3. Connect different regional railway systems

External interfaces

1. Multimodality
2. Interfacing with other regulations: customs, public transport, security, etc.
3. Creating and securing common data models and exchange protocols

How to achieve confidence and efficiency in sharing an international network ?

**Common
procedure
for safe
operation**



How can confidence and efficiency in sharing an international network be achieved?

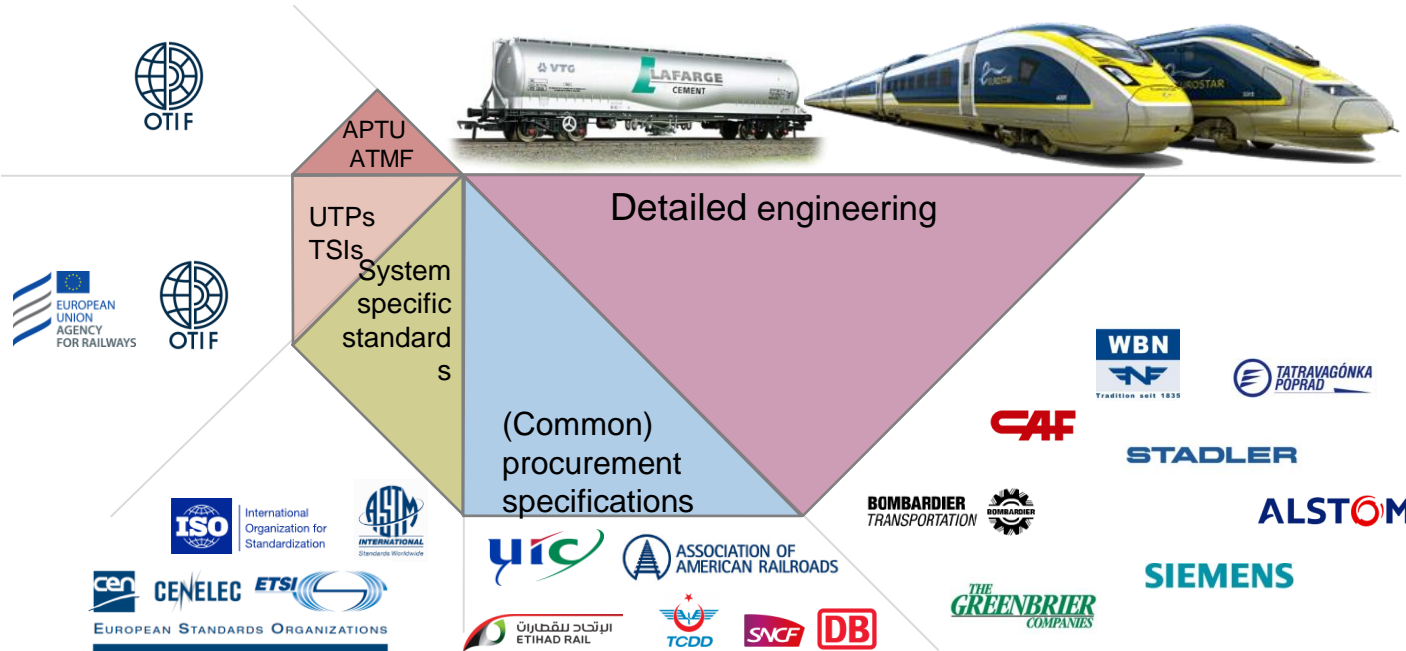
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Process for assessing infrastructure compatibility ?

Role of ERA?

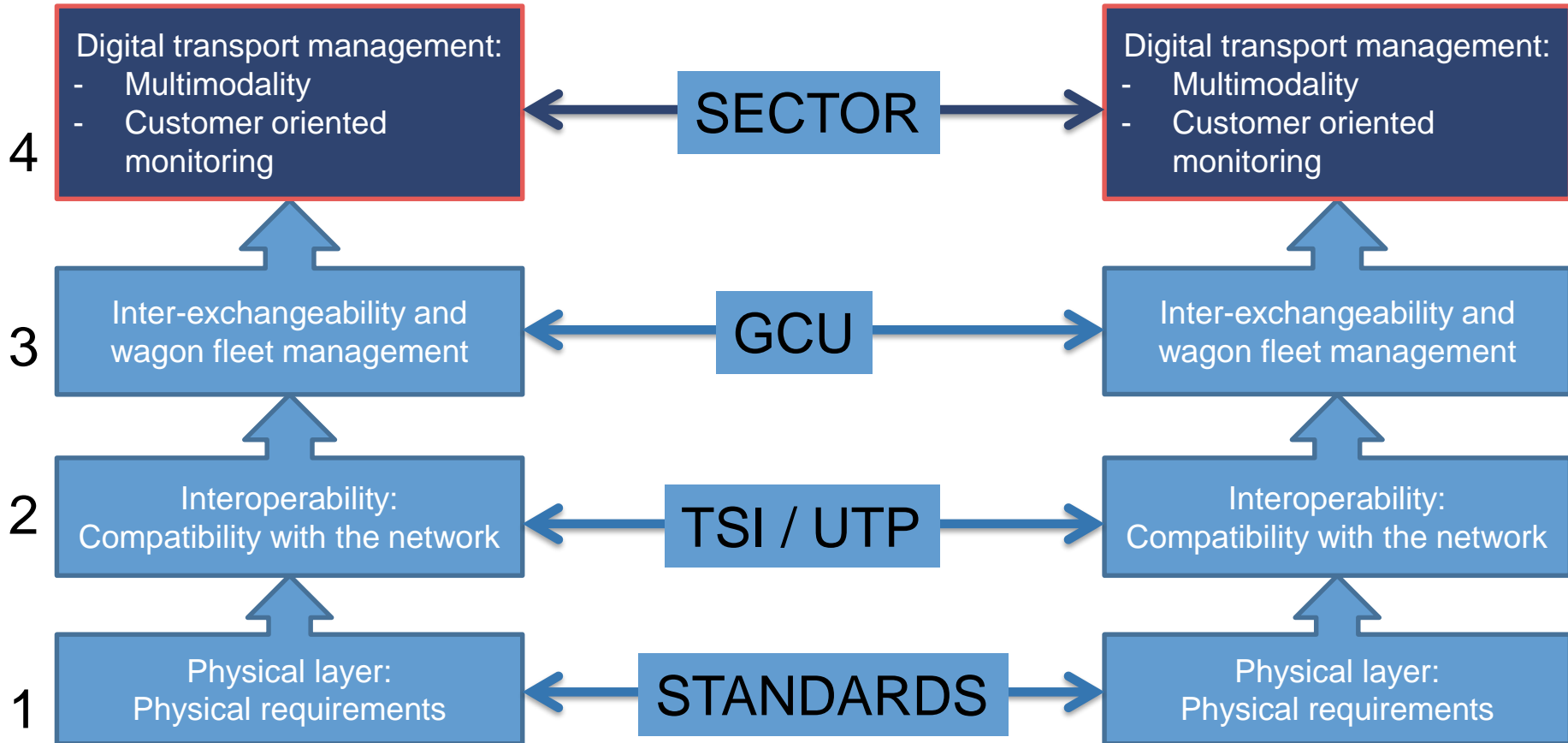
How to create a regulatory package with UIC?

How to define relevant interfaces with OSJD transport law?



How to build multimodal freight services in the digital age ?

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Open questions

- What should the future customs transit regime for rail transport be on the Eurasian level?
- How can the security and authentication of digitalised documents be ensured (Blockchain)?
- Train path allocation: a sector solution or a legislative approach?
- Multimodality: how can digitalisation make it easier to interface different modes?



Organisation intergouvernementale pour les transports internationaux ferroviaires
Zwischenstaatliche Organisation für den internationalen Eisenbahnverkehr
Intergovernmental Organisation for International Carriage by Rail

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