



INTERNATIONAL UNION  
FOR ROAD-RAIL  
COMBINED TRANSPORT

## 3<sup>rd</sup> UIRR CT DIGITAL FORUM

### ROADMAP FOR AN EFFECTIVE DIGITAL TRANSFORMATION IN COMBINED TRANSPORT





## **‘Digitisation’**

is the process of converting information into a digital computer-readable format.

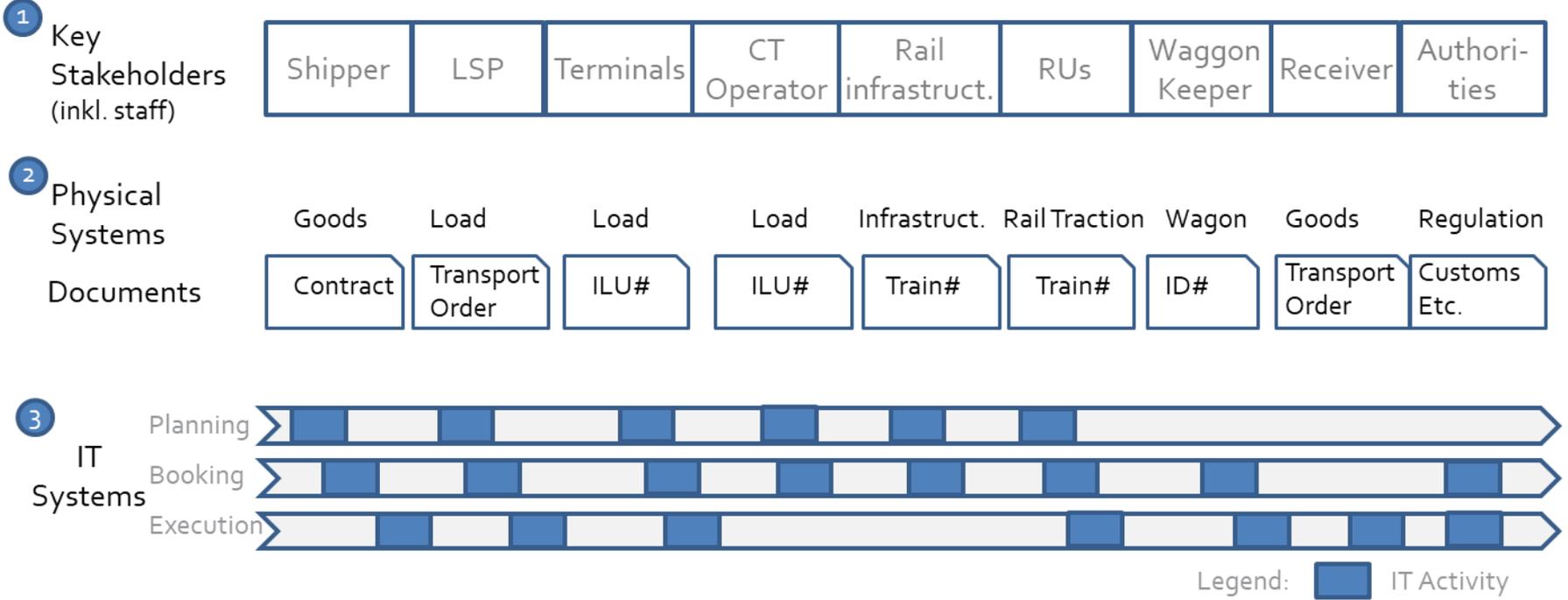
## **‘Digitalisation’**

means the use of digital technologies to change processes and provide new revenues and value-producing opportunities through enhanced products and services.

# Combined Transport ecosystem



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New Entrants increase logistics footprint  
(e.g. **amazon** )

Customers expect high reliability & valid information  
(e.g. ETA, booking)

Shippers use advanced software to perform 3PL's tasks  
(e.g.  **BOSCH**   )

Regulators push digitalization  
(e.g. TAF – TSI, eFTI, digital market)

Improved communication & information richness

(e.g. **5G** ,  **INTERNET of THINGS** ,  **BLOCKCHAIN** )



*Role of digitalization:  
Pain or opportunity for the CT ecosystem?*

# SHIPPER PERFORM LOGISTICS TASKS

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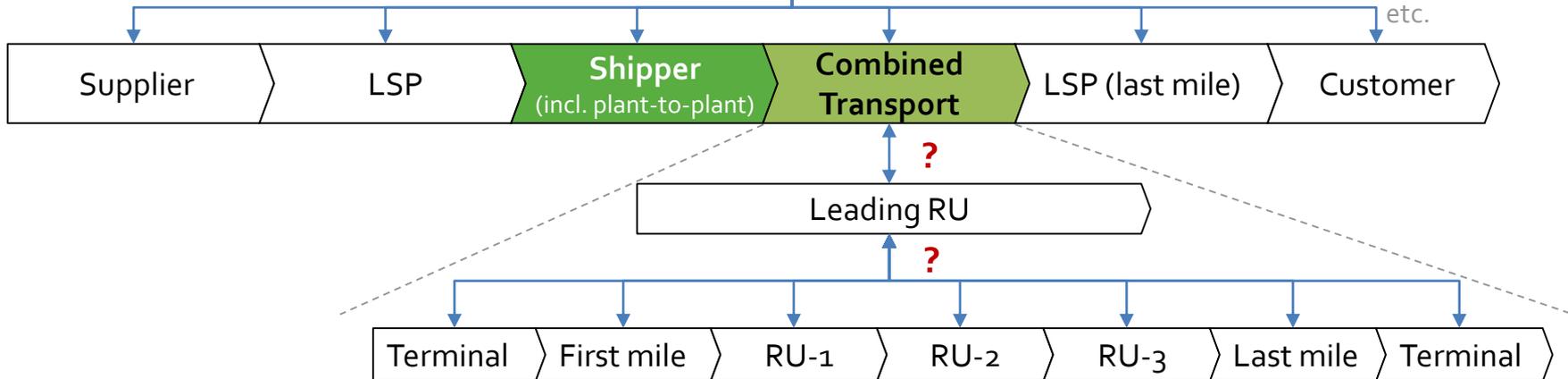


Shippers increasingly steer their logistics operations directly or via 4PLs to increase transparency, control and reduce costs and transit time.

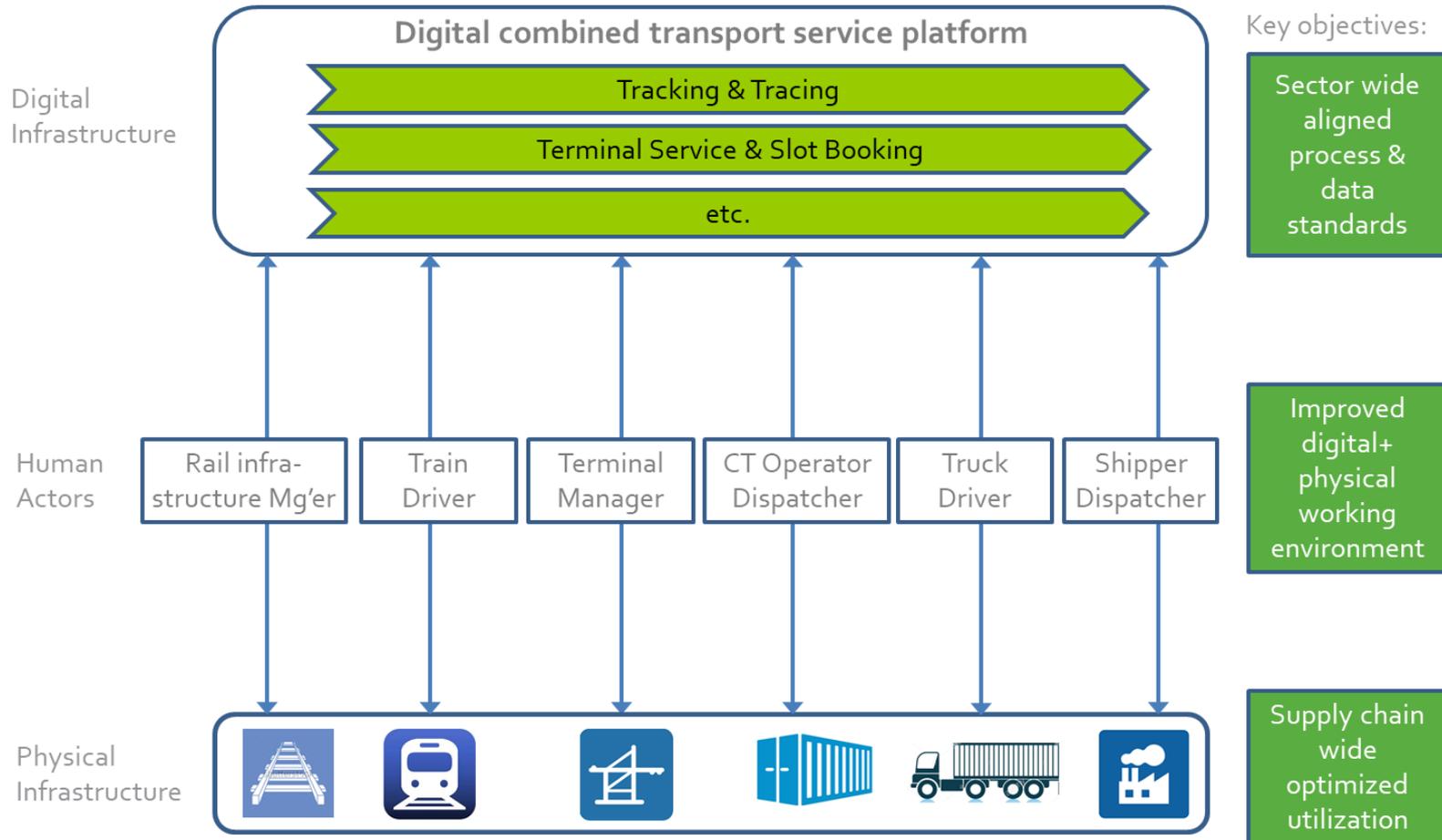


Increasing automation requires accurate information in real time

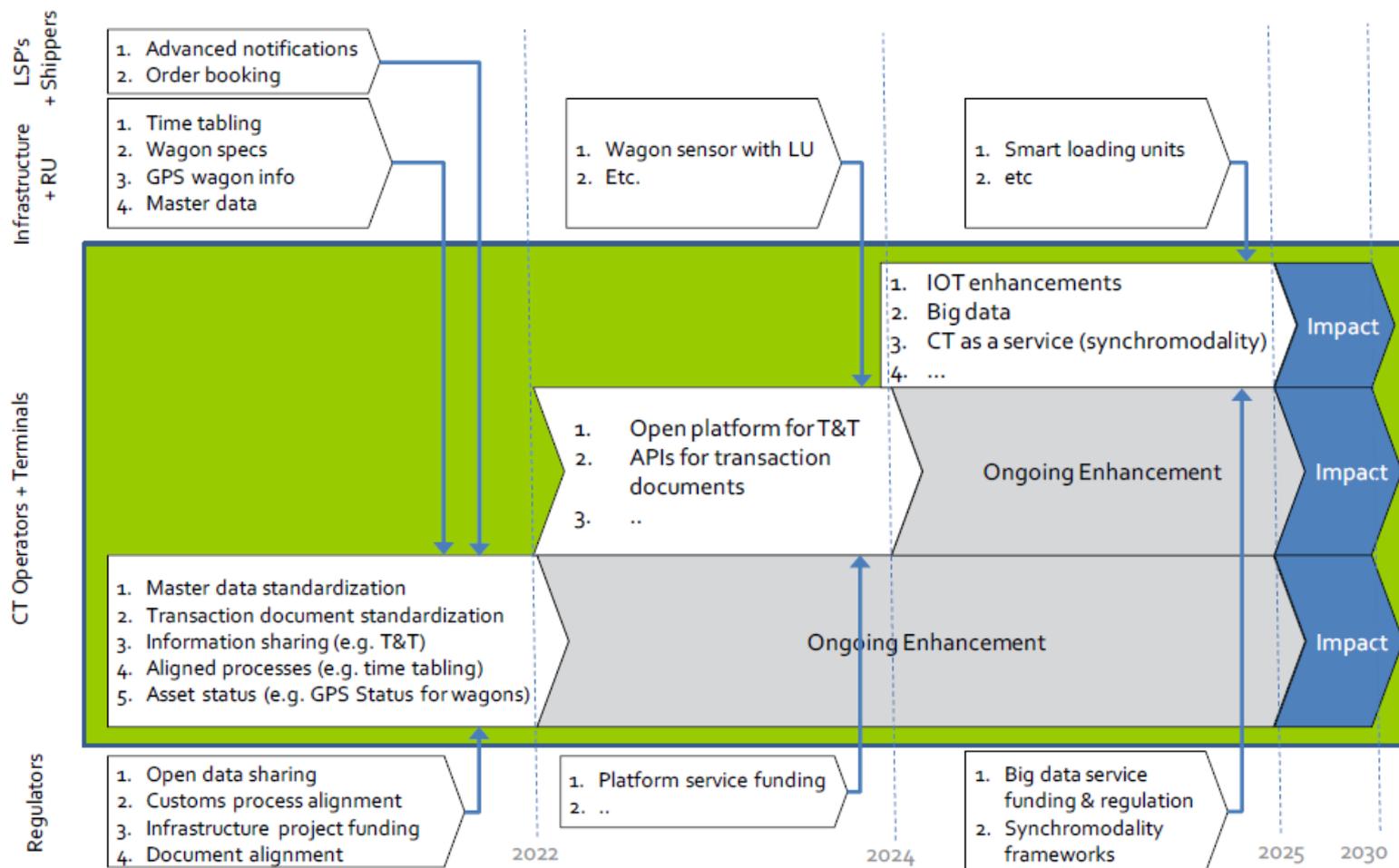
Orders  
Timestamps (e.g. ETA)  
Documents  
Invoices  
etc.



The CT sector's vision: transformation from a pure road-rail freight transport service provider to **an integrated collaborative transport service provider** for the logistics supply chain.



# Digital transformation in CT: a 3-phase approach



(1) Asset Management / IoT, (2) Master Data, (3) Transaction Document Standardization, (4) Information Sharing, (5) Shared Processes Support and (6) Business Intelligence



## ■ Mandate

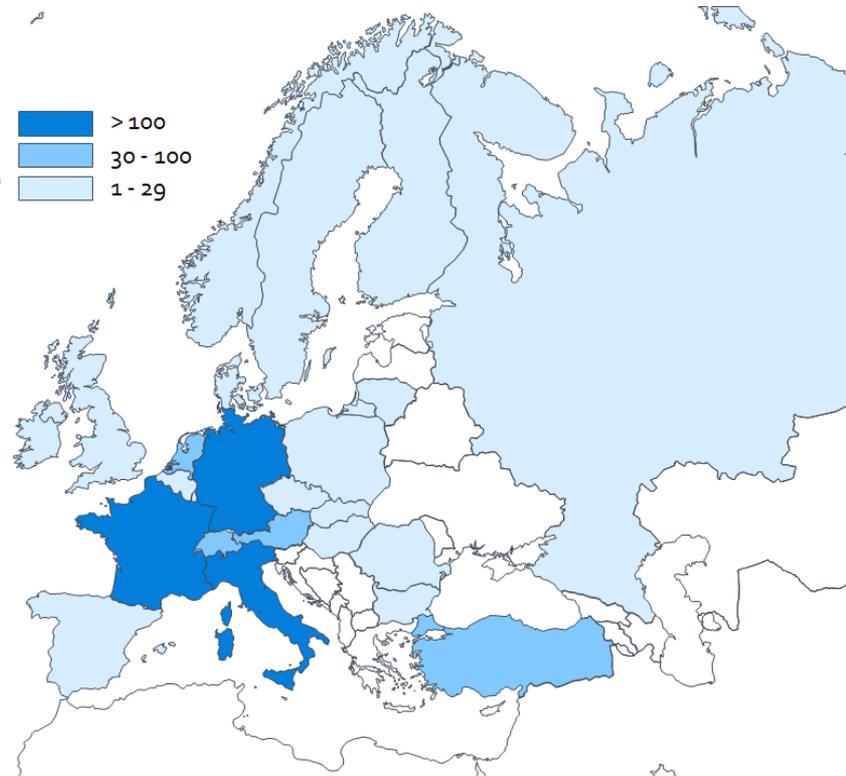
- EN13044 appointed UIRR to be the Administrator

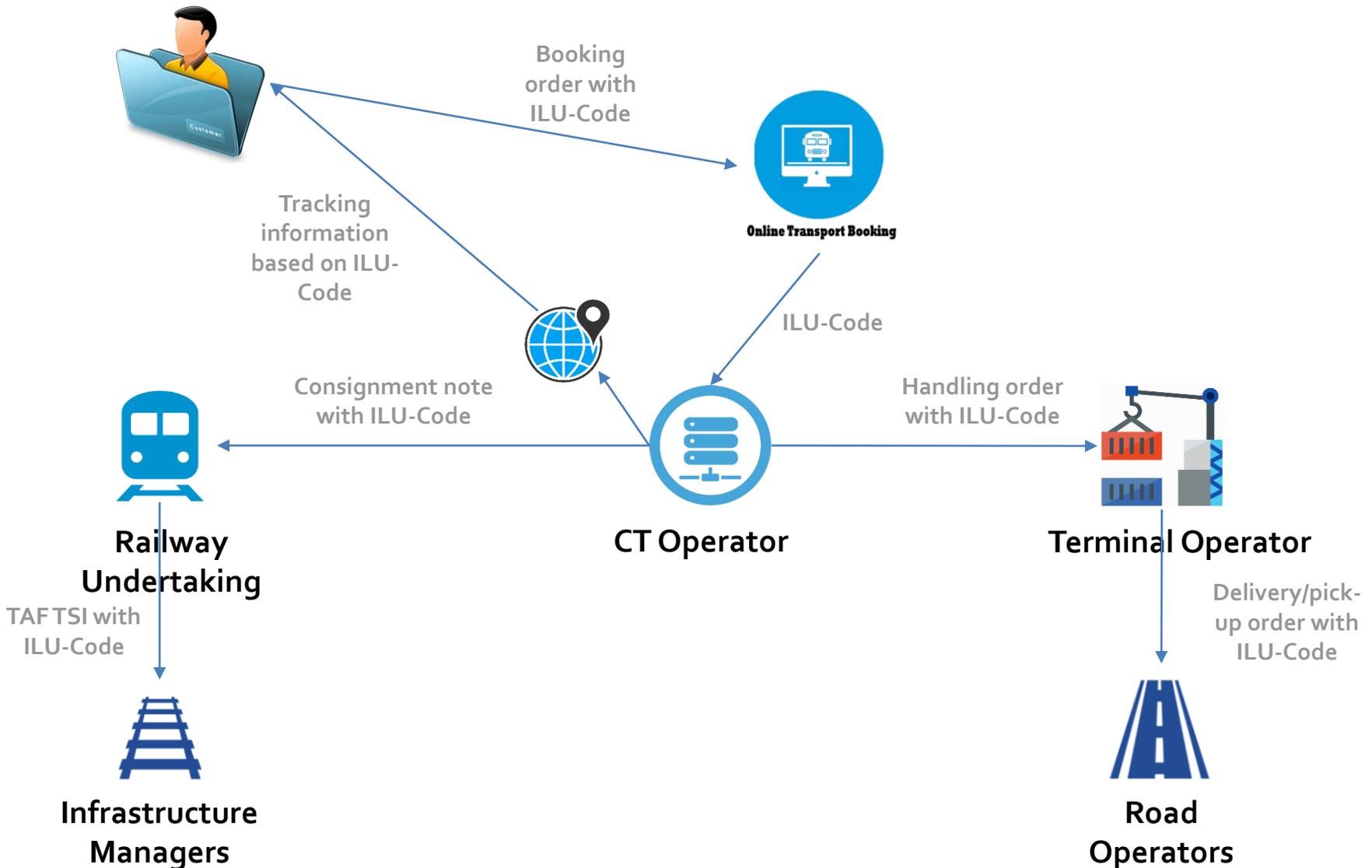
## ■ Marking

- UIRR members reported a +98% ILU- or BIC-Code compliance of the units they handled in 2016

## ■ Obligatory

- Modernised EU Customs Code makes it mandatory for all UCT
- Revised Directive 92/106 will make it mandatory for all intra-EU UCT
- TAF TSI requirements - Tracking & tracing, booking, consignment note







- Combined Transport – the most **dynamic market in rail freight**
- Digitalisation means a **mental and cultural shift** ('out of the box' thinking)
- Traditional vertical collaboration and partial integration must be transformed towards a **more integrated and interconnected CT ecosystem**
- **Success of the CT digital transformation:** smart and cooperative integration of all stakeholders into one commonly defined CT ecosystem supported by new commonly agreed concepts, processes, shared data hubs/platforms and digital solutions (assets, transport documents, data messages, registers).



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**THANK YOU FOR YOUR ATTENTION**

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