Digital Transport and Logistics

First Core Supply Chain Forum,
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European Commission
DG MOVE D1, Maritime Transport & Logistics
Digital Transport and Logistics

• Context

• E-transport is already happening

• However: remaining challenges

• How can public authorities help?
Digital Transport and Logistics

Transportation Network Management (Co-operative Systems)

Transport Demand

Transport Supply

Supply chain security and Compliance

IT, TAF/TSI, RIS, eMaritime, SafeSeaNet

Corridor Management

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Transportation Network Management (Co-operative Systems)

Corridor Management

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Evolution of the sector

Challenges

- Increasing complexity and volatility of supply chains
- eCommerce / customisation
- Sustainability and environmental concerns

Some answers

- Innovation
- Flexibility
- Cooperation
Paperless freight transport in a multimodal context

- Across modes
- Across countries
- Along the whole supply chain: planning, execution, monitoring and reporting
Digitalisation enables transport and supply chain optimisation

- Enhanced supply chain visibility
- More efficiency and better resilience
- Fewer costs, less administrative burden
- New business opportunities
Digital Transport and Logistics

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E-Transport is already happening

- Authorities
- Freight forwarder
- Shipper
- Infra / terminal manager
- Transport operators
- Reporting formalities
- Traffic / positioning/status information
- Booking, Transport documents

- Blue Belt
- Dir 2010/65
- E-Customs
- RIS
- TAF-TSI
- IATA e-Freight
- UN, WCO
- SafeSeaNet
- ITS
- RIS
- ERTMS
- SESAR
- OASIS / UBL
- GS1
- ISO
- IATA e-Freight
- US, Asia
Digital Transport and Logistics

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Challenges

1. A mosaic of non-interoperable standards:

- Repeated data submission (modes, stakeholders) \(\Rightarrow\) costs
- Need for a "common language" for logistics data exchange: words, messages
- Building on existing initiatives: a "common denominator"?
- Governance
Challenges

2. Lack of interconnected systems

Infrastructure for information exchange:
Maritime national Single Windows, RIS, e-Customs, TAF, rail one stop shop, "access points", "data pipelines" ➔ Need for interlinks? Exchange platforms?
Challenges

3. Building confidence in the protection of sensitive information and ensuring data quality

- Protection of personal / commercial data ➔ access rights – cybersecurity
- What quality (reliability, data quality liability)?
- What governance?
Challenges

4. **eTransport documents not being recognised by authorities, banks, insurances:**

   - Acceptance by transport authorities (e.g. eCMR)
   - Acceptance by commercial partners – banks, insurances
Challenges

5. Need for critical mass of stakeholders sharing data and exploring new business opportunities

- Large quantities of information available → new opportunities
- For SMEs: low cost, reliable and easy to use solutions
- Business models: who pays to collect data? Can it be re-used? Who owns the data?
- Access to public data
- Need for a sufficient number of successful business cases
Digital Transport and Logistics

- **Context**

- E-transport is already happening

- However: remaining challenges

- How can public authorities help?
How can public authorities help answer challenges?

- Legislation
- Funding
- Concerted approach

A mosaic of standards

Trust
- Data protection, cybersecurity

Critical mass of stakeholders

Recognition of e-documents

H2020

CEF

Digital Transport and Logistics Forum
Digital Transport and Logistics Forum: context

- **For:** making the EU's single market fit for the digital age
- **Actions:** Better online access to digital services. An environment where digital networks and services can prosper. Digital as a driver for growth.
Forum mission

A **consultative body** with the objective of:

- Bringing all relevant stakeholders together in a **multimodal perspective**
- Further supporting freight transport/logistics digitalisation with analyses and proposals

1. Where is common EU action needed?
2. Recommendations
3. Ideas / suggestions for implementation
Forum organisation

• A Commission expert group - Decision setting-up the expert group (C(2015)2259)
• Selection of Members following open call for applications
• 3 years duration

• Structure:
  • Plenary – 2 meetings per year
  • Technical WGs – around 3 meetings per year addressing specific topics
  • Online collaboration tool; Website
  • Conference(s)
Working groups

- Digitalisation of transport documents and acceptance of e-transport documents
- Standards
- Safe and interconnected systems for data exchange
- Social and educational aspects of digitalisation
Guiding principles

- Building on existing systems and work (e.g. CORE)
- Involve all relevant DGs
- Facilitation
Thank you

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