Intelligent Transport Systems (ITS)

Opportunities and challenges for intermodal transport

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WP.24 Informal Group - UNECE secretariat
Intelligent Transport Systems (ITS)

What is ITS?

Information and communications systems for
- transport chains
- different modes of transport and its interfaces
linking and providing information between
- transport infrastructure
- rolling stock and
- people (transport users)
Intelligent Transport Systems (ITS)

Transport systems must be:

- efficient
- make optimum use of infrastructures
- safe and secure
- clean and green (sustainable)

Complex intermodal transport could profit from ITS applications

- Information interfaces («seamlessness»)
- Optimum use of equipment
- Tracking and tracing
Intelligent Transport Systems (ITS)

ITS for intermodal transport chains must be

• accessible
• affordable
• reliable (well-functioning)
• internationally acceptable
• compatible with modal systems
• Interoperable (technical – semantic – organisational -legal – political)
Intelligent Transport Systems (ITS)

Stakeholders for ITS solutions

• Industry
  • Transport operators (road, rail, inland navigation)
  • Intermodal transport operators (road-rail, ro-ro)
  • Shippers and freight forwarders

• Public authorities
  • Monitor compliance and cooperation
  • Provide discriminatory-free access
  • Oversee ITS governance process

• International organizations (EC, UNECE, etc.)
## Intelligent Transport Systems (ITS) - Programme

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<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter/Notes</th>
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<tr>
<td>16:00</td>
<td>Introduction</td>
<td>Mr. Michel Vardot, Chair of WP.24</td>
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<tr>
<td>16:05-16:50</td>
<td>ITS - Opportunities and challenges for intermodal transport (5 min)</td>
<td>UNECE secretariat</td>
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<td>16:05-16:50</td>
<td>Electronic trading in international supply chains: UN/CEFACT and ISO ITS solutions for intermodal transport (55 min)</td>
<td>Mr. Dominique Vankemmel, UN/CEFACT Domain Coordinator Transport and Logistics</td>
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<td>16:50-17:05</td>
<td>ITS and the carbon footprint in intermodal transport chains (15 min)</td>
<td>Mr. François Jasson, ITS Task Force Manager, Min. of Ecology, Sustainable Development and Energy (France)</td>
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<td>16:50-17:10</td>
<td>ITS and supply chain efficiency (10 min)</td>
<td>Mr. Roland Opfers, MARLO Consultants (Germany)</td>
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<td>17:05-17:15</td>
<td>Discussions</td>
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<td>17:10-17:15</td>
<td>Short break – Networking</td>
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<td>17:15-17:45</td>
<td>Use of ITS in intermodal transport operations: The CESAR system (15 min)</td>
<td>Mr. Martin Burkhard, Director General, International Union of Combined Road-Rail Transport Companies (IURB)</td>
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<td>17:45-18:00</td>
<td>Discussions</td>
<td>Mr. Michel Vardot, Chair of WP.24</td>
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Close of session (Mr. Michel Vardot, Chair of WP.24)
Intelligent Transport Systems (ITS)

Follow-up activities (if any) by WP.24:

- Best (good) practices
- International guidance
- Endorsement and support
Intelligent Transport Systems (ITS)
UNECE Road Map for promoting ITS

20 global actions to promote use of ITS (2012-2020)

- **Actions related to WP.24:**
  - **Action 6:** Scaling up work on ITS
    - Align activities with sustainable mobility principle
    - Determine how ITS solutions could assist
  - **Action 13:** Integrating with rail transport
    - Promote rail interoperability
  - **Action 15 by WP.24 (intermodal) and SC.1 (road):**
    - Enhancing the modal integrator’s role of ITS: Integration of modal information systems for logistics and security