FILLING THE GAPS IN INTELLIGENT TRANSPORT SYSTEMS (ITS)

Eva Molnar
THE FULLY NETWORKED CAR
2 March 2011
Why, what, how UNECE can do for ITS?

- What is UNECE
- So far achievements in ITS
- The way forward
UNECE - Transport Division

- UN Regional Commission
- 57 countries
- Inland Transport Committee
  - with Working Parties
  - with global outreach

Centre of International Transport Agreements

Vehicle Regulations and Transport Innovations Section
Chief: Juan Ramos Garcia
World Forum for the Harmonization of Vehicle Regulations (WP.29)
Working Parties: GRE, GRB, GRRF, GRSP, GRSO, GRPE
Fuel Standards and ITS
8 people

Dangerous Goods and Special Cargoes Section
Chief: Olivier Kervella
ECOSOC TDG: ST/SG/AC.10; ST/SG/AC.10/C.3
ECOSOC GHS: ST/SG/AC.10/C.4
Working Party on the Transport of Dangerous Goods (WP.15) and WP.15/AC.1, WP.15/AC.2
Working Party on the Transport of Perishable Foodstuffs (WP.11)
8 people

Transport Facilitation and Economics Section
Chief: Michalis Adamantidis
Inland Transport Committee (ITC)
Transport Trends and Economic (WP.5)
Euro-Asian Transport Links (EATL)
Hinterland Connections of Seaports Road Transport (SC.1) and Road Traffic Safety (WP.1)
Customs Questions affecting Transport (WP.30)
TIR Secretariat
13 people, out of which 5 XB

Sustainable Transport Section
Chief: Martin Magold
Intermodal Transport and Logistics (WP.24)
Inland Waterway Transport (SC.3/WP.3)
Rail Transport (SC.2)
Transport Statistics (WP.6)
Transport, Health and Environment Pan-European Programme (THE PEP)
7 people

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Eva Molnar
Why UNECE can address ITS?

- Infrastructure agr’ts, planning
- Traffic rules
- Vehicle regulations
UNECE WPs where governments make decisions

- **SC.1** Working Party (Sub-Committee) on Road Transport
- **WP.1** Working Party on Road Traffic Safety (68 Vienna Conv.)
- **WP.29** Global Forum for Harmonization of Vehicle Regulations
- **SC.2** Working Party (Sub-Committee) on Rail Transport
- **AC.1** 1958 Agreement
  - 40 members and 126+2 Regulations affecting 46 countries
- **AC.3** 1998 Agreement
  - 31 members affecting presently 42 countries
- **AC.4** 1997 Agreement
  - 6 members affecting Europe only
- **GRE** Lighting and light signalling
  - Canada
- **GRRF** Tires, brakes and running gear
  - United Kingdom
- **GRSP** Passive safety
  - USA
- **GRSG** General safety
  - Italy
- **GRPE** Pollution & energy
  - France
- **GRB** Noise
  - Germany
- **Other ITC assignments:**
  - ITS Task Force
    - Japan / UK

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Contracting parties to the 1958 and/or the 1998 «Vehicle» Agreements

- global outreach
- type approval of parts (present), of vehicles (future)
Revolutionary innovations supported by UNECE WP.29 regulations

- Electronic Stability Control Systems
- ABS
- Cruise Control
- On Board Diagnostic
- Adaptive Front-Lighting Systems
- Airbags
- Automatically commanded braking
- Cornering lamps
- Brake assist systems (BAS)
- Lane Departure Warning system (LDW) - controversial
WP work and consultations started on ITS

- Variable message signs
- Who is in control of the vehicle
  - Round table during ITF 2010
  - Liability remains a concern
UNECE Research and Strategy

Research findings

• ITS is under-utilized
• Resistance to societal changes
• Lack of common definition
• Major initiatives against the tide
• Lack of enabling framework

The way forward - UNECE Package for ITS

✓ Background paper
✓ Strategic note
✓ Road Map
Strategic note - public consultations

• Draft for consultation
  • Inland Transport Committee
  • Key stakeholders
  • Web-based

• To underpin the UNECE Road Map on ITS
The Road Map (draft)

- Annual UNECE Roundtable on main ITS issues
- Capacity building workshops
- Working Party related tasks
  - Vehicle to infrastructure communication
  - Vehicle to vehicle communication
  - Liability concerns (1968 Vienna Convention)
  - Variable Message Signs
  - International ITS architecture
- Overcome lack of harmonized policies
Thank you for your attention

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Transport Division

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