The World Forum for Harmonization of Vehicle Regulations (WP.29) and ITS deployment

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The World Forum structure

UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE UN/ECE

INLAND TRANSPORT COMMITTEE (ITC)

WORLD FORUM FOR HARMONIZATION OF VEHICLE REGULATIONS (WP.29)

GRPE
- Working Party on Pollution and Energy

GRSG

GRRF
- Working Party on Brakes and Running Gear

GRE
- Working Party on Lighting and Light-Signalling

GRB
- Working Party on Noise

GRSP
- Working Party on Passive Safety
Contracting Parties to the 1998 Agreement
The World Forum goals

• Reduce accidents through increasing vehicle’s active and passive safety
• Increase environmental performance of vehicles
• Through Vehicle Regulations
• Based on Performance Requirements
• Coordination of research on safety and environmental matters
• Facilitate trade
ITS technologies in Vehicle Regulations

Since ABS till Electronic Stability Control Systems

• Cruise Control
• On Board Diagnostic
• Adaptive Front-Lighting Systems
• Airbags
• Automatically commanded braking
• Cornering lamps
Road Transport and ITS current Challenges

- Road Transport growth
- Impossibility to transfer to other transport modes
- Accidents
- Pollution
- Congestion
- Fuel consumption
ITS Future Challenges

- Future development of road safety through accident avoidance rather than injury mitigation
- Driver assistance systems
- Integration of digital maps
- Traffic management
- Infrastructure adaptation to ITS technology
- Integration of vehicle - infrastructure intelligent technologies
UNECE is your partner

in addressing harmonized ITS

- vehicles,
- road,
- fuel efficiency,
- integration with other transport modes,
- and environment
Thank you for your attention