

Intelligent Transport Systems

Agenda item 4(f)

*79th Annual Session of the Inland Transport Committee
Geneva, 21-24 February 2017*

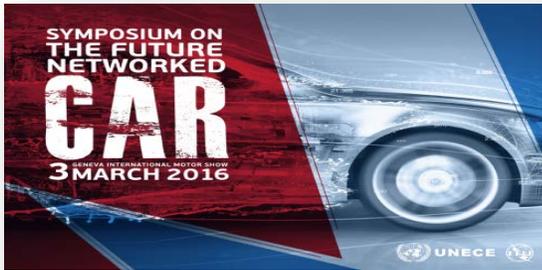


Main activities on ITS in 2016

- **78th ITC session, policy segment**

on "Innovations for Sustainable Inland Transport with Special Attention to Information and Communication Technologies" calling for

- *Common and not fragmented approach*
- *Access for all*
- *Availability of data and sharing of information*



- **UNECE/ITU Symposium on The Future Networked Car**

The symposium examined advances in the area of connected vehicles, from the perspectives of business, technology and regulation

Technical sessions highlighted the relevance of work done on cyber security

- **2016 Annual Roundtable on ITS – Geneva**

First informal joint meeting WP.1 – WP.29/GRRF – WP.29 /ITS/AD

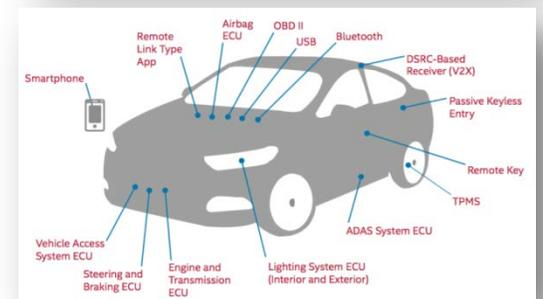
The ad-hoc meeting aimed at an in-depth exchange of views and information exchange and discussed topics such as

- *driver training,*
- *the regulatory process pace and*
- *secondary tasks performed by the driver during automated driving phases*



ITC Working Parties in 2016 and ITS

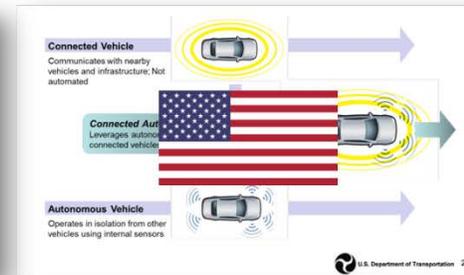
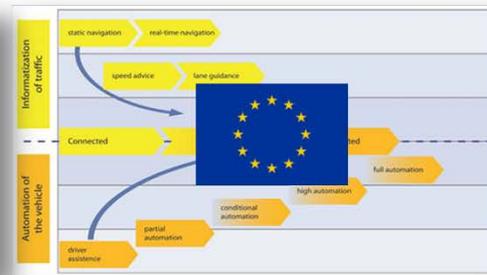
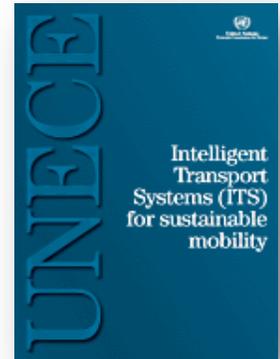
- Working Party on Inland Water Transport (SC.3)
 - Worked on ITS applications e.g. on pan-European River Information Services (RIS).
 - The Working Party on the Transport of Dangerous Goods (WP.15)
 - RID Committee and WP.15 (telematics IWG) continued its work on ITS
 - Working Party on Road Traffic Safety (WP.1)
 - Amendment to the 1968 Vienna Conventions to address the challenges related to automated driving entered into force
 - Informal working group on automated driving effectively works on AD e.g. on AD testing, driver behaviors aspects.
 - Confirmed that testing of driverless vehicles is covered
 - The Working Party on Braking and Running Gear (WP.29/GRRF)
 - Worked on vehicle automation such as “self steering vehicles” and “Remote Control Parking”
 - Adopted first proposals on Corrective Steering Functions and Automatically Commanded Steering Functions,
 - The Working Party on General Safety (WP.29/GRSG)
 - Finalizing a new Regulation on AECS (eCall) – the first regulation on the connectivity in the automotive sector
 - The World Forum on Harmonisation of Vehicle Regulations (WP.29)
 - Worked on the automation levels definitions as well as finalized proposal on
 - Guidelines on Cyber Security and Data Protection
 - WP.29 Informal Working Group ITS/AD
 - Over the air software updates (OTA)
 - Coordination with external stakeholders (e.g. insurance industry)
- Conclusion: all Road Map Actions addressed



Conclusions in 2016 and next steps

• ITS across all inland transport modes and their infrastructures

- 2016 focussed on “automated vehicles” and new mobility concepts
- UNECE promoted activities on ITS, across all transport modes and their infrastructures



• Connected and Automated Vehicles (CAV)

- Various technologies are now marketed
- Technical regulatory action going on
- Coordination between WP.29 and WP.1 is ongoing
- Related items not in the scope of WP.29 or WP.1 still need to be addressed
- Insurance industry represented in WP.29 ITS/AD
- US NHTSA Federal policy Guidelines on Automated Driving issued
- US NPRM to mandate vehicle-to-vehicle (V2V) communication





**SAFE, CLEAN, SECURE AND EFFICIENT
MOBILITY FOR PEOPLE AND FREIGHT**

- Inclusive International Legal Architecture
- Effective Public Administration
- International Cooperation
- Innovative Financing
- New Technologies
- Social Responsibility

enablers

objectives

- Seamless B / C
- Facilitated international transport
- Reduced GHG emissions
- Reduced air / noise pollution
- Increased P.T. Mobility Choices
- Zero traffic fatalities and injuries
- Efficient transport services
- Enjoyable walking and cycling

*The future
Inland Transport
WE WANT!*

