

Harmonization of vehicle regulations Agenda item 5(b)



*80th Annual Session of the Inland Transport Committee
Geneva, 20-23 February 2018*



Vehicle Regulations and Agenda 2030 - SDGs



Latest Developments in Vehicle Regulations

1958 Agreement

- **Revision 3 of 1958 Agreement entered into force on 14 September 2017**
 - New provisions for International Whole Vehicle Type Approval (IWVTA) system
 - Possibility to grant type approvals according to previous versions of UN Regulations
 - Modification of voting conditions (from two thirds to four fifth)
 - Strengthening and improvement of functionality and reliability of type approval procedures and their mutual recognition (i.e. quality assurance assessment, certification and conformity of production, tasks and responsibilities of involved parties and aspects related to enforcement such as market surveillance)
- **Type Approval Database DETA requested by Revision 3 of the 1958 Agreement**
 - Discrepancies between member States on financing under UNECE regular budget
 - UNECE contacted all Contracting Parties with request for donations
 - Germany offered to temporarily host and finance DETA under certain conditions (industry to finance further development for Unique Identifier and Declaration of Conformity; UNECE to take over DETA under regular budget by 2022 onwards)



Latest Developments in Vehicle Regulations (cont.)

1958 Agreement

- 5 New UN Regulations (1958 Agreement) entered into force
 - Brake assist systems
 - Electronic stability control
 - Tyre pressure monitoring system
 - Tyre installation
 - Heavy duty dual fuel engine retrofit systems
- 3 New UN Regulations (1958 Agreement) adopted
 - International Whole Vehicle Type Approval (IWVTA)
 - Accident Emergency Call Systems (AECS)
 - ISOFIX anchorage systems, ISOFIX top tether anchorages and iSize seating positions
- 107 Amendments to existing UN Regulations -1958 Agreement adopted



Latest Developments in Vehicle Regulations (cont.)

1998 Agreement

- 1 New UN Global Technical Regulations (1998 Agreement)
 - Evaporate emissions test in the Worldwide harmonized Light Duty Test Procedure (WLTP)
- 2 Amendments to UN GTRs No.1 (door locks) and No.15 (WLTP) - 1998 Agreement

1997 Agreement

- 2 Amendments to Rules No.1 (environmental condition) and No.2 (roadworthiness) - 1997 Agreement
- 1 New Resolution R.E.6 on administrative and technical provisions for Periodic Technical Inspections (PTI) - test facilities and equipment, skills and training of inspectors, and quality control by supervision - 1997 Agreement



Latest Developments in Vehicle Regulations (cont.)

- **Automated driving functions**

- Amendments to UN Regulation on first automated driving functions adopted
- First UN Regulation addressing connectivity adopted (automated emergency call systems)



- **Cyber-security**
 - Guidelines on Cyber Security and Data Protection imbedded in R.E.3

- **Over-the-air-update/connectivity**

- «in-vehicle» and «extended vehicle» connectivity task force



- RCP
- Lane keeping
 - «hands on»
 - «hands off»
- Lane change
 - «initiated»
 - «proposed/confirmed»
 - «autonomous»



Latest Developments in Vehicle Regulations (cont.)

• Focus of WP.29

- Automated driving functionalities / autonomous vehicles
- Decarbonisation (electric / hydrogen vehicles)
- Further improveing environmental behaviour
- Continuous update of existing regulations (innovation / techn. progress)

 This transformation may result in restructuring of GRs (Working Groups subsidiary to WP.29)



**THANK YOU VERY MUCH
FOR YOUR ATTENTION**

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