Shifting Into High Gear for Safety and Innovation

25th International Technical Conference on Enhanced Safety of Vehicles | Detroit, Michigan | Cobo Center | June 5 – 8, 2017

25th ESV Government Status Report

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EUROPEAN COMMISSION
SAFETY SNAPSHOT OVERVIEW EUROPEAN UNION

Status of Motor Vehicle Crashes/Fatalities/Injuries
Status of Advances in Motor Vehicle and Infrastructure Safety
Evolving Research/Rulemaking Strategy
Status of Current Key Research Programs
STATUS OF MOTOR VEHICLE CRASHES/FATALITIES/INJURIES

2016

| Serious injuries (new common definition) | 135,000 |
| Fatalities                        | 25,500  |

STATUS OF ADVANCES IN MOTOR VEHICLE AND INFRASTRUCTURE SAFETY

E-Call – Automatic Emergency Call System
- Shortens time it takes for emergency services to arrive
  - Mandatory for new car types from 31 March 2018

Revision of Whole Vehicle Type-Approval System
- Improving quality of type-approval testing
- Introduction of rigorous market surveillance activities
  - Being finalized between EU Member States, EU Parliament and Commission

Integral approach to improve road safety
- Improved infrastructure and tunnel safety, offence enforcement across borders, promoting new safety technologies
  - Three main pillars for safer roads in the European Union
EVOLVING RESEARCH/RULEMAKING STRATEGY

Commission Report to the EU Parliament and the Council

- Saving Lives: Boosting Car Safety in the EU
  - Reporting on the monitoring and assessment of advanced vehicle safety features, their cost effectiveness and feasibility for the review of the regulations on general vehicle safety and on the protection of pedestrians and other vulnerable road users

Setting out safety measures that might be considered in EU

- Accident avoidance measures, general safety measures, trucks and buses specific, pedestrian and cyclist safety specific
  - Autonomous braking, Lane departure intervention, Drowsiness and distraction monitoring, Intelligent speed adaptation, Event data recorder, Direct vision of trucks, Blind spot pedestrian and cyclist sensors, Windscreen and A-pillar head impacts, ...

→ Considered measures pending finalization of Impact Assessment ←
STATUS OF CURRENT KEY RESEARCH PROGRAMS

Ongoing
- Cooperative ITS
- Traffic safety analysis for vulnerable road users

Planned
- Protection of all road users in crashes
- Behavioral aspects, innovation
- Safety and user acceptance – road automation in the transitional period
- Road infrastructure – coexistence conventional/automated vehicles