

Agenda item 4

# Background & Update



**European Commission**  
Enterprise and Industry

# Events leading to the establishment of a GRRF informal group on AEBS/LDW

## WP.29 – 145 (June 2008):

- European Commission presented its proposal for a new **EU regulation on general vehicle safety** (WP.29-145-08)
  - provides - *inter alia* - for the mandatory introduction of **Automatic Emergency Braking Systems (AEBS) & Lane Departure Warning systems (LDW)**
  - **Scope:** Heavy Duty vehicles ( $M_2$ ,  $M_3$ ,  $N_2$  &  $N_3$ )
  - **Timing:** for new types as from **2013**  
for existing types as from **2015**

# Events leading to the establishment of a GRRF informal group on AEBS/LDW

## GRRF – 64 (September 2008):

- EC proposed (GRRF-64-18 & GRRF-64-19) to **develop requirements for AEBS & LDW through new UNECE Regulations under the 1958 Agreement, for adoption by WP.29 at its November 2010 session**
- GRRF agreed on the importance of developing new requirements for these advanced vehicle safety systems and to organise a brainstorming session in December 2008 to clarify a number of issues with a view to set up a new informal group for that purpose (ECE/TRANS/WP.29/GRRF/64 - § 55 +56)

# Events leading to the establishment of a GRRF informal group on AEBS/LDW

## GRRF – brainstorming session (December 2008)

### Conclusions (GRRF-65-19):

- **One single informal group (IG) to:**
  - develop performance based technical specifications for **AEBS & LDW**
  - prepare regulatory text proposals for GRRF within 2 years, **without** consideration of **cost/benefit & legal issues**
  - address **driver warning & failure warning issues**, as well as measures addressing **roadworthiness examination**
  - **focus on category M<sub>2</sub> & M<sub>3</sub> vehicles of Classes B, II and III and N<sub>2</sub> & N<sub>3</sub> vehicles.**  
Vehicles of category **M<sub>1</sub> & N<sub>1</sub>** may be covered in a **later stage**
- **Decision on new regulations or amending existing regulations to be taken by GRRF and WP.29**

# Events leading to the establishment of a GRRF informal group on AEBS/LDW

## GRRF – 65 (February 2009):

- **GRRF agreed to establish an IG on AEBS & LDW** under the Chairmanship of the EC
- OICA volunteered to provide the secretariat duties
- Japan announced full technical support
- **GRRF endorsed the draft terms of reference for the IG** as presented by the GRRF Chairman
- GRRF agreed to refer to the IG the proposal by Germany (GRRF-65-20) to introduce LWD provisions into Regulation N° 79 (ECE/TRANS/WP.29/GRRF/65 - § 54 and Annex III)

# Events leading to the establishment of a GRRF informal group on AEBS/LDW

## WP.29 – 147 (March 2009):

- **endorsed the proposal by GRRF to set up an informal group on AEBS & LDW under the chairmanship of the EC (ECE/TRANS/WP.29/1072 - § 45)**

# Draft EU regulation on the general safety of motor vehicles - update (relating to AEBS/LDW requirements)

- Commission proposal submitted to European Parliament and Council in May 2008 (COM(2008)316 final)
- **compromise agreement between the three European Institutions** reached in **March 2009**, and adopted by European Parliament
- Adoption by Council expected before end of **June 2009**
- Reference to text of compromise agreement:

<http://register.consilium.europa.eu/pdf/en/09/st03/st03621.en09.pdf>

# draft EU regulation on the general safety of motor vehicles - update (relating to AEBS/LD requirements)

## **AEBS/LDW provisions of the compromise agreement:**

- **Definitions:** slightly modified for AEBS (article 3.5), unchanged for LDW (article 3.4)
- **Scope of application** (article 10): unchanged (AEBS & LDW mandatory for category M<sub>2</sub>, M<sub>3</sub>, N<sub>2</sub> & N<sub>3</sub>)

**NEW** Possibility for the Commission to introduce exemptions & derogations for some vehicles or vehicle categories, **subject to cost/benefit analysis** and taking into account all **relevant safety aspects** (article 15.3.a)

# draft EU regulation on the general safety of motor vehicles - update (relating to AEBS/LD requirements)

## AEBS/LDW provisions of the compromise agreement:

- **Introduction dates:** 1 November 2013 for new types  
1 November 2015 for existing types  
(article 13.10 & 13.11)

**NEW** **deadline for adopting implementing measures**  
(detailed rules on specific procedures, tests and technical requirements): **31 December 2011** (article 15.2)

- **Deleted:** provision that AEBS & LDW voluntary fitted in category M<sub>1</sub> & N<sub>1</sub> vehicles need to meet requirements

# draft EU regulation on the general safety of motor vehicles - update (relating to AEBS/LD requirements)

## **AEBS/LDW provisions of the compromise agreement:**

- **Explicit link with UNECE Regulations: (Recital 24)**  
[...] Advanced Emergency Braking Systems and Lane Departure Warning Systems have a high potential to produce considerable casualty reductions. **Therefore requirements for such systems should be established by the Commission in line with UNECE regulations** for those vehicle categories in which their application is appropriate and for which it is demonstrated that they will improve the overall level of safety. Sufficient lead time until implementation should be provided to allow for implementation measures to be completed and subsequently for development and in-vehicle application of these complex technologies.