



**CLEPA**  
*European Association of  
Automotive Suppliers*

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Special GRRF brainstorming session  
9 December 2008  
Agenda item 4(b)

# CLEPA Position

## Special GRRF Session on Automatic Emergency Braking and Lane Departure Warning Systems

Brainstorming Meeting

9 Dec. 2008 - UN Palais des Nations, Geneva



# Automatic Emergency Braking (1/4)

- Scope: mandatory for
  - HDV: M2, M3, N2 and N3 with EVSC
  - PC: M1 and N1
- Amendment of
  - HDV: R13 (braking)
  - PC: R13H (braking)



# Automatic Emergency Braking (2/4)

- Functional requirements
  - HDV: warning & autonomous braking mand.
  - PC: warning & brake support function mand.  
autonomous braking optional
- Speed range
  - Between 20-130 km/h mandatory
  - Outside this range optional



# Automatic Emergency Braking (3/4)

- Detection capabilities: reaction to
  - Moving and stopped vehicles mandatory
  - Stationary vehicles, motorcycles and pedestrians optional
- Failure warning
  - Failure warning & non-failure loss of functionality indicators mandatory



# Automatic Emergency Braking (4/4)

- Switch-off
  - Driver shall not be able to switch off manually
- Override
  - Driver shall always be able to override



## Lane Departure Warning (1/3)

- Scope: mandatory for all vehicles (M & N)
  - Exemption of special purpose vehicles TBD
- Amendment of R79 (steering)
- Requirements
  - Lane warning mandatory
  - Lane keeping optional



# Lane Departure Warning (2/3)

- Speed range
  - Between 60-130 km/h mandatory
  - Outside this range optional
- Detection capabilities: reaction when
  - Maximum 0.3 m outside of the lane marking



# Lane Departure Warning (3/3)

- Failure warning
  - Failure warning & non-failure loss of functionality indicators mandatory
- Switch-off
  - Driver shall be able to switch off manually
  - Automatic default to 'ON' at start-up