

UN ECE GRRF AEBS and LDWS Informal Working Group

Proposed CLEPA amendments to document AEBS/LDWS-02-03-Rev.4

7th June 2010

Proposed amendments are show in blue.

- 2.7. “Common space” means an area on which two or more information functions (e.g. symbols) may be displayed, but not simultaneously.
- 5.2.2 The system shall also provide the driver with the warning specified in paragraph 5.4.2. when tested in accordance with the provisions of paragraph 6.6. (failure detection test). The signal shall be constant.
- 5.2.3. The LDWS shall be active at least at vehicle speeds above 60 km/h, unless manually de-activated as per paragraph 5.3.
- 5.3. If a vehicle is equipped with a means to deactivate the LDWS function, the following conditions shall apply as appropriate:
- 5.3.1. The LDWS function shall be automatically reinstated at the initiation of each new ignition “on” (run) cycle.
- 5.3.2. A constant optical warning signal shall inform the driver that the LDWS function has been deactivated. The yellow warning signal specified in paragraph 5.4.2 may be used for this purpose.
- 5.4. Warning indication
- 5.4.1. The lane departure warning referred to in paragraph 5.2.1. shall be noticeable by the driver and be provided by:
- [at least] two warning means out of optical, acoustic and haptic, or
 - one warning means out of haptic and acoustic, with spatial indication about the hazard location.
- 5.4.1.1 When an optical signal is used for lane departure warning, ~~the optical signal for lane departure warning may be the flashing of~~ it shall be a flashing optical signal. The failure warning signal specified in paragraph 5.4.2. may be used.

- 5.4.2. The failure warning referred to in paragraph 5.2.2. shall be a yellow optical warning signal.
- 5.4.3. Any LDWS optical warning signal shall be activated either when the ignition (start) switch is turned to the "on" (run) position or when the ignition (start) switch is in a position between the “on” (run) and “start” that is designated by the manufacturer as a check position (bulb check). This requirement does not apply to warning signals shown in a common space.
- 5.4.4. The optical warning signals shall be visible even by daylight; the satisfactory condition of the signals must be easily verifiable by the driver from the driver's seat.
- 5.4.5. When the driver is provided with an optical warning signal to indicate that the LDWS is temporarily not available, the signal shall be constant. The failure warning signal specified in paragraph 5.4.2 may ~~also~~ be used ~~to indicate that LDWS is temporarily not available.~~

Justification:

The term “common space” is used in paragraph 5.4.3. and it is appropriate to have a definition, without having to refer to ECE R121, to prevent misinterpretations.

The current text does not make it clear which warning signals must be flashing and which must be constant. The proposed amendment clarifies the requirements as follows:

Warning signal	Operating mode (shall be ...)	Colour (shall be ...)	Paragraph 5.4.2. signal (failure warning signal ...)
Departure	flashing	yellow	may be used
Deactivation	constant	yellow	may be used
Failure	constant	yellow	shall be used
Temporarily not available	constant	yellow	may be used