

Proposal for amendments to Regulation No. 48 – Uniform provisions concerning the approval of vehicles with regard to the installation of lighting and light-signalling devices

Submitted by the expert from Australia:

The text reproduced below was prepared by the expert from Australia to ensure sufficient information on the use of the "*External status indicator*" is provided. The modifications to the existing text of the UN Regulation is marked bold (for the additions) and strikethrough (for the deleted text).

I. Proposal

Paragraph 2.5.20., amend to read:

"2.5.20. "*External status indicator*" means an optical signal mounted on the outside of the vehicle to indicate the status or the change of the status for Vehicle Alarm System (VAS), Alarm System (AS) and immobilizer of UN Regulations No. 97 and No. 116, when the vehicle is parked **or intended to indicate to the driver the status of a vehicle function, including the status of systems mounted on a trailer.** "

Paragraph 5.32., amend to read:

"5.32. External status indicator

One external status indicator for Vehicle Alarm System (VAS), Alarm System (AS), ~~and~~ immobilizer **and other vehicle accessory status** is allowed if:

- (a) The light intensity in any direction does not exceed 0.5 cd;
- (b) The colour of the light emitted is white, ~~red or amber~~ **or green**;
- (c) The area of the apparent surface is not larger than 20 cm²;
- (d) It shall not cause confusion or distraction to other road users;**
- (e) It shall not flash.**

Up to two external status indicators for Vehicle Alarm System (VAS), Alarm System (AS) and immobiliser are allowed on a vehicle provided that the apparent surface does not exceed 10 cm² per indicator. **Additional external status indicators are permitted on O category vehicles to accommodate fitting of additional vehicle accessories.** "

II. Justification

- The expert from Australia notes that vehicles are currently being fitted with a range of external status indicator lamps that may not be covered by UN Regulation No. 48 including for example:
 - a. In mirror lamps for blind spot sensor,
 - b. The status of refrigerated trailer cooling systems,
 - c. Trailer REESS status indicators
 - d. Tyre pressure indicators and
 - e. ABS status indicator.
- This proposal is seeking to exempt these lights from the requirements of UN R48 through the external status indicator provisions.
- Furthermore, conflict with optical signals from law enforcement and emergency services may be avoided by limiting the range of colours permitted. Australian specific requirements prohibits the use of red, blue, magenta or amber for external status indicators.