

## Proposal for supplement to the 01 series of amendments to UN Regulation No. 157 (ALKS)

Proposed amendments are indicated in bold for new characters, and strikethrough for deleted characters

### I. Proposal

*Insert a new paragraph 5.2.6.5.1.1. to read:*

5.2.6.5.1. Lane Change Procedure: Additional specific requirements for regular lane changes

The activated system shall only initiate<sup>1</sup> a regular lane change if the following conditions are fulfilled:

- (a) There is a reason for a lane change (e.g. Operation cannot be continued in the current lane, for the purpose of overtaking a slower moving vehicle, where a lane change is required by national traffic rules).
- (b) The target lane is a regular lane of travel, or hard shoulder temporarily opened up as a regular lane of travel.
- (c) The LCP is anticipated to be completed before the ALKS vehicle comes to standstill (i.e. in order to avoid coming to standstill while in the middle of two regular lanes due to stopped traffic ahead). In case the ALKS vehicle becomes stationary between two regular lanes during the LCM (e.g. due to the surrounding traffic), it should at the next available opportunity either complete the LCP or return to its original lane.

**5.2.6.5.1.1 The activated system of vehicles of Categories N<sub>3</sub> or M<sub>3</sub> shall only initiate a regular lane change if the permitted maximum speed on the target lane is limited for all vehicle categories.**

### II. Justification

1. With regard to the intended scope of the regulation and notwithstanding the current footnote in paragraph 5.2.6.5.1., regular lane changes of heavy vehicles shall only be allowed into target lanes where a speed limit applies.
2. Lane changes of heavy vehicles of Categories N<sub>3</sub> or M<sub>3</sub> into not speed restricted lanes can establish a serious safety threat to approaching vehicles due to high speed differences.
3. Considering the serious threat to approaching vehicles on the target lane, relying on assumption of their speed – as per paragraph 5.2.6.7.2.1 (b) – is not justifiable.

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<sup>1</sup>~~Initiation of a regular lane change shall only be permitted for a vehicle of Category M<sub>1</sub> or N<sub>1</sub>. The presence of this footnote shall be reviewed by GRVA before 1 September 2024.~~