

Proposal for amendments to document ECE/TRANS/WP.29/GRVA/2023/6

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

I. Proposal

Paragraph 5.6.4.2.3. amend to read:

“5.6.4.2.3. The system shall only be activated (standby mode) after a deliberate action by the driver.

Activation by the driver shall only be possible on roads where pedestrians and cyclists are prohibited and which, by design, are equipped with a physical separation that divides the traffic moving in opposite directions and which have at least two lanes in the direction the vehicles are driving. These conditions shall be ensured by the use of at least two independent means.

In the case of a transition from a road type with a classification permitting an ACSF of Category C, to a type of road where an ACSF of Category C is not permitted, the system shall be deactivated automatically (off mode), unless a missing second lane in driving direction is the only condition not fulfilled from the above (e.g. a connector between two highways).”

Notwithstanding the activation and transition criteria above and following an activation request on any type of road by a deliberate action with the same means as for ACSF of Category B1, the ACSF of Category C may switch automatically to standby mode **no earlier than [10] seconds after** ~~when~~ the system has verified that the road is of a valid type as described above.”

II. Justification

Para. 5.6.4.2.3: The activation delay of [10] seconds prevents the system from being used during merging from the motorways acceleration lane. The merging process during the acceleration phase is not fully suitable for an automated lane change due to, among other things, the vehicle dynamics and the limited space available. In addition, the delay shifts the driver's notification of the automatic activation of the ACSF-C system to a time when the vehicle is already in a stable driving condition on the motorway and the driver's attentional resources are more available to receive the notification. A manual activation of the system remains possible.
