

Text-Proposal for Cat. A

- *ROK's proposal for amendments to the ACSF-07-07(Text-Proposal for Cat. A)*
- *The comments and proposals are marked in blue characters.*

2.4.8.23. "Specified maximum RCP operating range (S_{RCPmax})" means the maximum distance between the center of the vehicle and the remote control device up to which ACSF is designed to operate.

5.6.6. Special Provisions for Category A ACSF

Any system of Category A ACSF shall fulfill the following requirements.

5.6.6.1. General

5.6.6.1.1. The system shall be active only after a deliberate action of the driver and if the conditions for operation of the system are fulfilled (all associated functions – e.g. brakes, accelerator, steering, camera/radar/lidar etc. are working properly).

5.6.6.1.2. The system shall be able to be deactivated by the driver at any time.

5.6.6.1.3. The vehicle shall be equipped with means to monitor the parking area at any time ~~when ACSF is active with the purpose~~ to avoid collisions.

Comments: May the means to monitor the parking area not be equipped if there is no purpose to avoid collision ? The intention of this paragraph is unclear. So, ROK think that it is necessary to delete the word "when ACSF is active with the purpose".

5.6.6.1.4. If a door, hood or trunk of the vehicle is opened during the parking manoeuvre, the vehicle shall stop immediately.

5.6.6.2. Additional Provisions for Remote Controlled Parking systems

Information about the specified maximum RCP operating range shall be provided to the users of the vehicle, at least in the owners manual.

Comments: Paragraph 5.6.6.3.1.1 of 5.6.6.3 System information is only for technical service but the driver also shall know the RCP Operating range to keep a separated distance between vehicle and remote control device within it and not to exceed it. We need to insert as above.

5.6.6.2.1. The parking manoeuvre shall be initiated by the driver but controlled by the system. A direct influence on steering direction, acceleration and brakes via the remote control device shall not be possible.

Comments: Do we need to replace "brakes" by "braking", compared to "----(all associated functions –e.g. brakes, accelerator, steering, camera,----) " of 5.6.6.1.1 ?

5.6.6.2.2. A continuous activation of the remote control device by the driver is required during the parking ~~maneuver~~ manoeuvre.

Comments: the correct orthography!

5.6.6.2.3. If the activation-button is released or the distance between vehicle and remote control device exceeds the specified maximum RCP operating range (S_{RCPmax}), this shall be indicated to the driver and the vehicle shall stop immediately.

Comments: We need to indicate to driver the correct status of vehicle. It is necessary to insert the word above.

5.6.6.2.4. The system shall be protected against unauthorized activation or operation of the RCP systems and interventions into the system.

5.6.6.2.5. The specified maximum RCP operating range shall not exceed 6m- and the vehicle may indicate being close to boundary of RCP operating range to driver.

Comments: Just question. What is the justification for 6m ? and ROK think that vehicle with ACSF A may indicate being close to limit of RCP operating range to outside driver for the purpose of keeping a separated distance between vehicle and remote control device within the specified maximum RCP operating range.

Inset new paragraph 5.6.6.2.6, 5.6.6.2.7 and 5.6.6.2.8., to read:

“5.6.6.2.6 The vehicle shall stop the parking maneuver immediately if malfunction and obstacle (e.g. pedestrian, motorcycle, Segway, etc.) is detected in parking area during parking manoeuvre.

Comments: For the Safety, the vehicle shall stop this manoeuvre if there are malfunction and obstacle to be collide.

“5.6.6.2.7 When the parking manoeuvre start or is complete, this shall be indicated to the driver.

Comments: To remain primary control of the vehicle at all times, driver shall know all situations of vehicle manoeuvre.

“5.6.6.2.8 If the vehicle has obtained its final parking area, the system shall apply the parking braking system of the vehicle, lock the door of vehicle, and switches off the ignition.

Comments: A longitudinal gradient of parking area shall be installed within 4% according to the enforcement regulations of the parking lot Act in korea. ROK think other country have a similar Act. So we need to hold the vehicle stationary on an up or down gradient to prevent unintended accident due to the movement of the vehicle with the brake not applied out of the parking area and lock doors to prevent the vehicle against theft, etc.

5.6.6.3. System information data

5.6.6.3.1. Following data shall be provided together with the documentation package required in Annex 6 of this regulation to the Technical Service at the time of type approval

- 5.6.6.3.1.1. The value for the specified maximum RCP operating range (S_{RCPmax})
- 5.6.6.3.1.2. The conditions under which the system can be activated, i. e. when the conditions for operation of the system are fulfilled.