I-23569

**OC Subsection:** [[F-3688]](#3688) New OC Subsection: 06 Driving / Braking Systems

**Description:**

Use Case: "Hill Hold"

Preconditions:

1. The vehicle is operated.
2. The vehicle is on a road with a gradient.
3. Hill Hold always turns on without any switch.
4. The vehicle is in D or R gear in\_2 or in\_9.
5. The vehicle is fully stopped.

Main Scenario:

1. The driver releases the brake pedal in\_23 and starts uphill or downhill. The Hill Hold system is activated.
   * Preventing the vehicle rollback on uphill grades when the driver presses the accelerator pedal in\_22.
   * Instant release when the vehicle power output torque can overcome the slip torque. In cases where the vehicle does not overcome the slipping torque (e.g. without pressing the accelerator), the holding time of the vehicle is not less than 2 seconds not more than 3 seconds.

Alternative Scenario:

1. When the Hill Hold System has a fault, It will display on out\_1. SWP RTOS zone, out\_2. SWP Android.

Postconditions:

1. Realize a smooth uphill or downhill on the slope.

**Priority:** Normal

**Type**: Use Case CF

#### Document

**Caption:** operational\_concept.Profile - 383201 Profiles settings

**Overall estimation:**

**Requirement type:** Profile

**Type**: Profile