I-23897

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

**Description:**

Preconditions:

1. The vehicle is operated.
2. HDC function is enabled (can be switched via in\_2 as user profile setting).
3. When the vehicle is in gear D (in\_2 or in\_9) and runs on a road with a gradient ratio between 4% ~ 30%. (calibration parameters).
4. The speed is within a range between X km/h ~ Y km/h (calibration parameters).
5. The brake pedal is passed less than A% or the accelerator pedal is passed less than B% (calibration parameters).

Main Scenario:

1. The HDC is activated.

Postconditions:

1. Car Systems reduce additional acceleration from the gradient of the surface.
2. The function will be inactive when one of the preconditions (the ratio of pressing pedal or the ratio of gradient) is not met.
3. The HDC state icon displays on out\_1, out\_2.

Alternative Scenario：

1. When the driver turns off in\_2 the function, there is a display out\_1, out\_ 2 for the driver confirmation.

**Priority:** Normal

**Type**: Use Case CF

#### Document

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

**Overall estimation:**

**Requirement type:** Profile

**Type**: Profile