I-24695

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

**Description:**

Title: Engaging Auto Vehicle Hold (AVH)

Goal：

1. To keep the car stationary without any active braking input.

Scope:

1. SWP
2. Braking Pedal iterations
3. Braking System

Context:

1. Drivers fully stop the EV, release the breaking pedal and the EV should hold on surface if the AVH feature is on

Actors:

1. Driver

Trigger:

1. The brake pedal is pressed and the vehicle has been fully stopped.

Preconditions:

1. The car is powered on.
2. The driver activates AVH in the vehicle settings through the SWP in\_2. SWP Android.
3. The driver's seat belt is buckled.
4. The front left door is closed.
5. The gear is in D out\_9.PRND buttons (including EPB function).

Main Scenario:

1. With the speed at ZERO and the brake pedal PRESSED in\_23.Brake Pedal, AVH is automatically engaged.
2. AVH icon displays on out\_2.SWP Android,out\_3 HUD.

Postconditions:

1. AVH is engaged, keeping the car stationary without continuous pressure on the brake pedal.
2. The AVH icon has been displayed on out\_2.SWP Android.
3. When adjusting the AVH switch, there is a notification displayed on out\_2.SWP Android.

**Priority:** Normal

**Type**: Use Case CF

#### Document

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

**Overall estimation:**

**Requirement type:** Profile

**Type**: Profile