I-23461

**OC Subsection:** [[F-3681]](#3681) New OC Subsection: 06 Driving / Wipers and Washers

**Description:**

UC "Setting the mode of wipers"

Preconditions：

1.The vehicle is power on

2.The driver is sitting in the driver's seat

**Main Scenario:**

1. The driver activates the wipers in one of the following ways, using **in\_10. Front buttons steering wheel** or on the **in\_2. SWP Android**:

1.1. There are 5 wiper states:

* Off - wipers and washer are off
* Auto - works based on sensor data
* 1 - low speed of wipers. The wipers operate until the user turns them off.
* 2 - average speed of wipers. The wipers operate until the user turns them off.
* 3 - fast speed of wipers. The wipers operate until the user turns them off.

1.2. **in\_10. Front buttons steering wheel** control:

* **Single press (second gear contact)**
  + If the wipers are turned off, then press once (second gear contact) to turn on 1 speed.
  + If the wipers were turned on at any speed (1-2), then the next speed is turned on.
  + If the third speed is turned on, after press the button wipers turns off
* If the Auto mode was active and any of the above actions is activated, Auto mode is temporarily disabled. After X seconds Auto mode is activated.
* Quick Half Press **(first gear contact):**
  + One sweep of the wipers
  + After a single wipe, the wipers return to their previous state
* **Half press and hold the button (first gear contact):**
  + While the button is held down, washer + wiper works ((min 3 swipes, TBD), timeout - 15 sec, TBD)
    - If the wipers are active and one of the speed levels is applied (including the use of speed modes with the Auto mode), then cleaning occurs using the current speed mode
    - If the wipers are not active (including combinations of Auto mode + off), then the default speed of the wipers is set - level 2

After the driver releases the button after **X** sec, there will be a single wipers swipe (for the final cleaning of the glass from drops).

* + When the driver releases the button, the wipers return to the previously set mode or are turned off.
* **Press repeatedly** (3 or more times second gear contact) - causes "Rush" mode (3 speed)
  + Exit the mode - single press (second gear contact) on the button
  + If the Auto mode was active, it is temporarily disabled. After X seconds Auto mode is activated again
* Long press (second gear contact) button in\_10. Front buttons steering wheel to call the wiper menu on out\_2. SWP Android

1.3. out\_2**. SWP Android control:**

* Wiper operating mode (1 - 3 speed)
* Turn off the wipers
* Front washer (water flow from front washer nozzles)
* Auto mode - on/off (wipers operate in Auto mode by default)
* Service mode (wipers vertically upward to replace rubber bands/brushes)
* [Rear washer](#24056)

**Postconditions:**

* The driver has set their preferred mode for the wipers, including speed and auto mode.
* The driver profile stores information about Auto mode:
  + If Auto mode is turned on, then the next time when turn on the car, Auto mode will be active
  + If Auto mode is turned off, then the next time when turn on the car, Auto mode and other Wipers and washer settings will be inactive

**Priority:** Normal

**Type**: Use Case CF

#### Document

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

**Overall estimation:**

**Requirement type:** Profile

**Type**: Profile