I-23222

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

**Description:**

Use Case: "rain - light sensor malfunction"

Goal: To inform the driver about the malfunction of the rain - light sensor and esnure the driver can take appropriate actions in response to the malfunction.

Scope: SWP, Smartphone

Actor: driver, authorized user of Atom App

Preconditions:

1. Car is on.
2. The driver is in the car.
3. The user is authorized in the Atom App on their smartphone.
4. Both the vehicle and the smartphone have access to a cellular network.
5. The auto rain-light sensor is enabled.

Trigger:

1. The rain sensor malfunctions.
2. The light sensor malfunctions.

Main Scenario:

1. The system detects a malfunction in either the rain sensor or the light sensor.
2. The system displays a failure alert on the out\_2.SWP and out\_5. Smartphone via the Atom App.
3. Automatic Wiper Function:
   * If the rain sensor malfunctions, the system disables the automatic wiper function.
   * The driver is prompted out\_2.SWP to manually control the wipers in\_10.
   * If a manual setting cannot be determined, the wipers turn off.
   * On out\_2.SWP and out\_5. Smartphone shows message.
4. Automatic Headlight Function (Auto Low Beam Headlamp):
   * If the light sensor malfunctions, the system disables the automatic headlight function.
   * The driver is prompted out\_2.SWP to manually control the headlights in\_2.
   * If a manual setting cannot be determined, the auto low beam headlamp turn off.
   * On out\_2.SWP and out\_5. Smartphone shows message.

**Priority:** Normal

**Type**: Use Case CF