# [I-30371]  ERA Self-diagnosis

**Actors:**

ERA-Glonass system

**Description:**

ERA self-diagnosis whether the system has a fault.

**Components:**

ERA-

**Function logic:**

ERA automatically starts self-diagnosis every 1 min and lasts about 30 secs.

**Activation (initial)**

- By trigger

**Adjustment**

N/A

**Deactivation (Stoping, Cancelling)**

- By trigger

**Additional Info**

Self-diagnosis includes:  
proper operation of the GSM/UMTS communication module interface  
proper operation of the GNSS receiver  
the sufficient charging level of the backup battery  
proper operation (correct connection) of external GNSS antenna (if installed)  
proper operation of airbag crashed CAN signal (automatic RTA detector)  
proper operation of UIM  
proper operation of the microphone  
proper operation of the loudspeaker

**Display:**

* MalfunctionEraGlonass\_SOSButton - Once a fault is detected, the RED LED of the SOS button will light up

**Notification:**

* MalfunctionOfEraGlonass\_SWP - Notification about malfunction in self-diagnosis of Era GLONASS in SWP. Notification automatically disappears in 5 secs
* MalfunctionOfEraGlonass\_MobileApp - Notification about malfunction in self-diagnosis of Era GLONASS