



ELTA

USER'S HANDBOOK

C. Beacon shutdown

In the event of a false manoeuvre or untimely operation, shutdown the beacon.

The beacon is shutdown by pressing the RESET/TEST pushbutton on the remote control unit. This control is not active during the self test sequence or if the ON/ARMED switch is in ON position.

NOTE : Stopping distress signal transmission by means of the remote control unit does not switch the beacon OFF. It is restored in ARMED mode.

Acknowledgment of the control is displayed by 2 short blink on LED and buzzer.

**CAUTION : THE BEACON MUST BE SHUTDOWN BEFORE ANY MAINTENANCE OPERATIONS ARE PERFORMED.
THE BEACON MUST BE COMPLETELY SHUTDOWN BEFORE IT IS REMOVED AND IT'S ARMED/OFF/ON TOGGLE SWITCH SHALL BE IN OFF POSITION.**

D. Beacon self-test

CAUTION : THE SELF-TEST SHALL BE PERFORMED WITHIN THE FIRST 5.MN OF ANY HOUR BECAUSE THE ELT IS SENDING 121.5 MHZ SIGNAL FOR 5 S DURING THIS PROCESS (LIMITATION OF FALSE ALERT).

The ELT ADT 406 AP is designed to perform a self-test, from the remote control unit, or as soon as the beacon is started up manually.

Actual test transmission on 121.5 MHz for 5 s can be listen on any VHF receiver.

(1)Self-test on the beacon

**CAUTION : THIS SELF- TEST PROCESS SHALL NOT BE INTERUPTED
IF THIS PROCESS IS NOT COMPLETE FOR ANY REASON PERFORM A NEW COMPLETE SELF-TEST**

Note : in case of use in survival mode without external antenna, the self-test will indicate an antenna failure, but the beacon will transmit normally on its emergency antenna.

Place the beacon's ARMED/OFF/ON toggle switch (12) in ON position.

After two short blinks and a delay of 3 s, check that the indicator light (11) comes ON and the beacon's buzzer sounds during 6s.

After a brief blink the self-test report is display :

- 10 s permanent illumination of the indicator light (11) for correct operation,
- 10 s blinking condition of the indicator light (11) for failure detection.
Blinking rate indicates the failure source detection as follow :
 - . 125 ms ON, 125 ms OFF (Frequency 4 Hz), ELT Check Sum failure (software problem)
 - . 250 ms ON, 250 ms OFF (Frequency 2 Hz), ELT power failure (UHF and/or VHF)
 - . 500 ms ON, 500 ms OFF (Frequency 1 Hz), Ext. Antenna connection failure or signal identification missing.



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Then the beacon enter in a waiting condition for 30 s (rate : 1.75s ON; 0.25s OFF).
During this state return the switch (12) to ARMED position.

CAUTION : OPERATOR SHALL SWITCH OFF OR ARMED THE ELT WITHIN 30 S AFTER SELF-TEST REPORT TO AVOID REAL DISTRESS TRANSMISSION.

(2)Self-test by means of the remote control unit

The beacon's ARMED/OFF/ON toggle switch (12) must be in ARMED position.

The Remote Control ARMED/ON must be in ARMED position.

Press the RESET/TEST pushbutton until the two acknowledgment blink on LED.

Then, after a delay of approximately 6 second, the self test is displayed on the Remote Control Unit LED.

- 10 s permanent illumination for correct operation,
- 10 s blinking condition for failure detection.
Blinking rate indicates the failure source detection as follow :
 - . 125 ms ON, 125 ms OFF (Frequency 4 Hz), ELT Check Sum failure (software problem)
 - . 250 ms ON, 250 ms OFF (Frequency 2 Hz), ELT power failure (UHF and/or VHF)
 - . 500 ms ON, 500 ms OFF (Frequency 1 Hz), Ext. Antenna connection failure or signal identification missing.

NOTE : On the beacon, after the two short blinks, the indicator light (11) comes ON and the buzzer sounds during 6 seconds. This is the self-test process. Then the self-test report is indicated as it is done for the Remote Control Unit LED.

CAUTION : THE ELT SHALL BE IN ARMED POSITION. IF NOT REMOTE CONTROL WILL NOT OPERATE (TEST/RESET ON).