

KANNAD 406 ELTs

RCP Tests

1. PURPOSE

This Service Letter is to provide information regarding the way to perform RCP Operational Test with any type of ELTs manufactured by MARTEC SERPE-IESM and associated to the compatible RCPs listed [Section 2 EFFECTIVITY, paragraph B. RCPs, compatibility list](#).

2. EFFECTIVITY

This Service Letter is applicable to any type of ELTs and RCPs manufactured by MARTEC SERPE-IESM.

A. ELTs

KANNAD 406 ATP-M	S1818502-02
KANNAD 406 ATP	S1819502-02
KANNAD 406 AP	S1820502-02
KANNAD 406 AF	S1821502-02
KANNAD 406 AF (6D)	S1821502-06
KANNAD 406 AF-H	S1822502-02
KANNAD 121 AF	S1824502-02
KANNAD 121 AF-H	S1826502-02

B. RCPs, compatibility list

Only the following RCPs manufactured by MARTEC SERPE-IESM are compatible with ELTs listed [Section 2 EFFECTIVITY, paragraph A. ELTs](#).

RC100 (Kit)	S1820513-03
RC110 (Kit)	S1820513-06
RC150 (Kit)	S1820513-07
RC160 (Kit)	S1820513-08
RC200 / RC200-NVG	S1820513-11 / S1820513-14
RC300 / RC300-NVG	S1820513-09 / S1820513-10
RC400	S1820513-05
RC500-320	S1820513-02
RC600-NVG (Y) / RC600-NVG (W)	S1820513-12 / S1820513-13

3. REMINDER

A. Self-test

A self-test is performed:

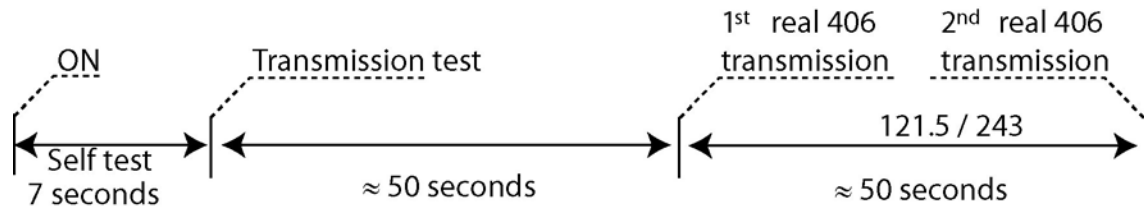
- when switching ELT from "OFF" to "ARM";
- when switching to "RESET / TEST" on the Remote Control Panel (provided that the switch of the ELT is in position "ARM");
- when switching to "ON" prior to transmission.

When a self-test is carried out

- ELT and RCP leds are flashing:
 - 1 short flash at the beginning of the self-test sequence;
 - Test result 3 seconds after the beginning of the self-test sequence:
 - 1 long flash (maximum duration 5 seconds) if test OK;
 - 3 + N short flashes (maximum duration 5 seconds) if the ELT is faulty (N depends on the type of failure: low battery, low power, faulty frequency or unprogrammed ELT);
- ELT and RCP buzzers are activated permanently (**continuous** signal) up to end of self-test.

B. 406 Transmission

When switching to ON, only the first transmission is a test transmission (1st digits coded FF FE D0), the next ones are real distress transmissions (1st digits coded FF FE 2F) as indicated below.

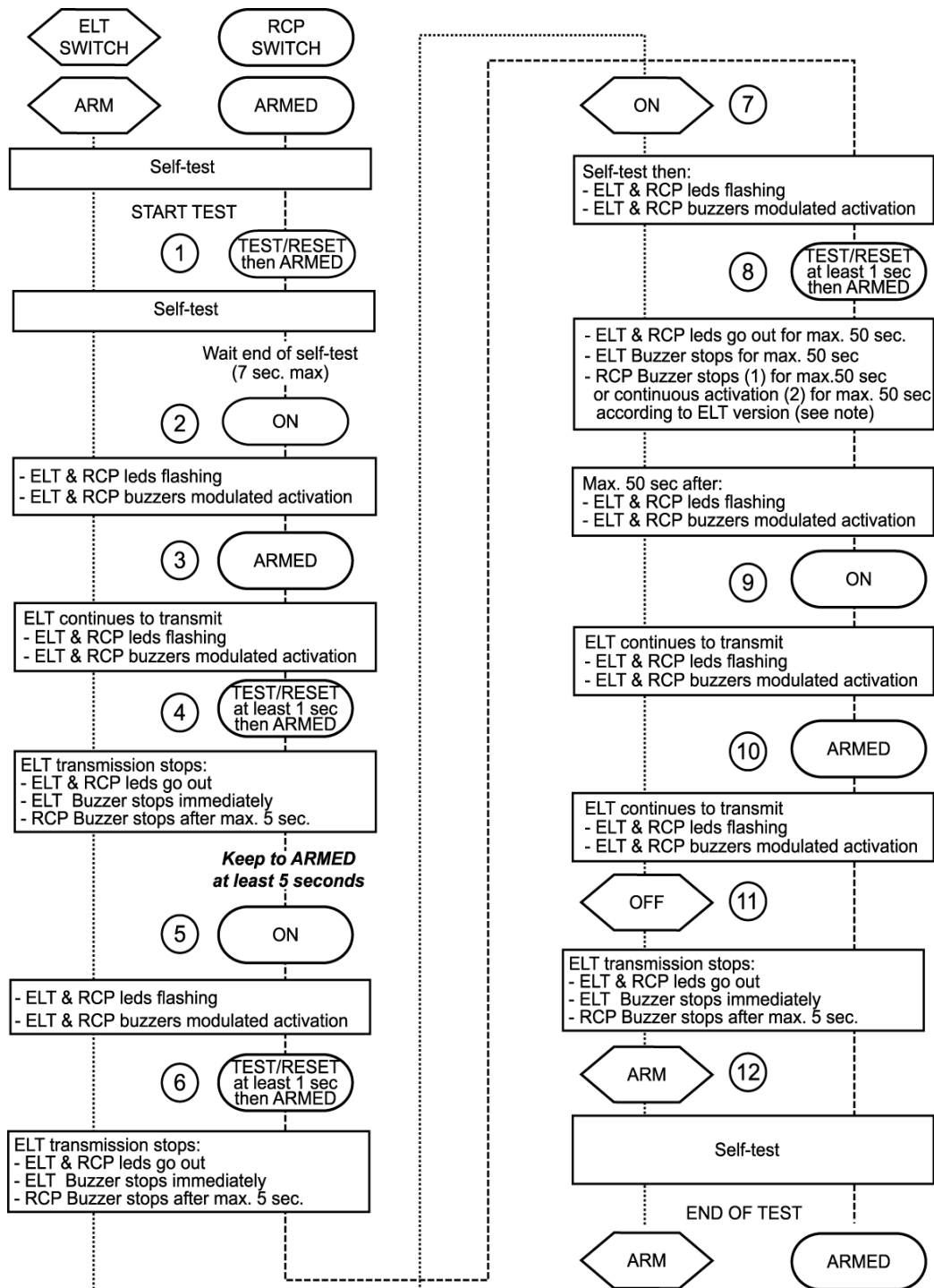


- ELT and RCP leds are flashing.
- ELT and RCP buzzers are activated permanently (**modulated** signal).

4. PROCEDURE

NOTE: Activation of buzzer is not necessarily an indication of 406 transmission or ELT activation.

IMPORTANT: TO AVOID DISTRESS TRANSMISSION, THIS TEST MUST BE CARRIED-OUT WITH A 50 OHM LOAD CONNECTED TO THE ANTENNA OUTPUT CONNECTOR OF THE ELT



Note: (1) ELT version ≥ E: RCP Buzzer stops for max. 50 sec
 (2) ELT version < E: RCP Buzzer continuous activation for max. 50 sec

CAUTION: Steps 5 to 12 are complementary tests out of RCP operational test specifications

5. ADDRESS

MARTEC SERPE-IESM

SAR Line of Products

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