

# KANNAD 406 SURVIVAL

Survival Cospas-Sarsat ELT 121.5/243/406MHz

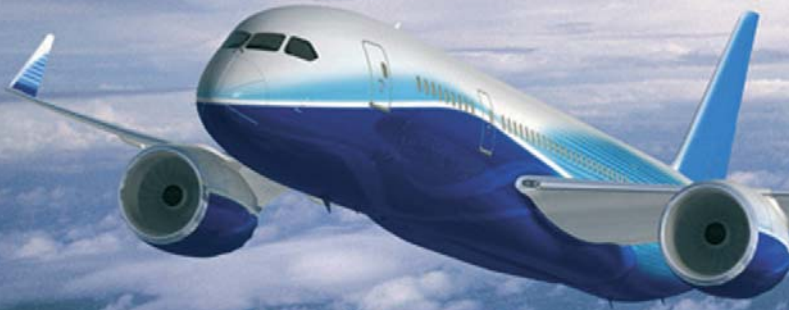


Photo: THALES

## Main characteristics

This new generation of ELT complies with the latest regulation and offers all the improvements of the COSPAS-SARSAT system with the **406 MHz frequency**:

- **Global coverage**  
thanks to COSPAS-SARSAT multiple satellite constellation
- **Precise pinpointing (<1NM)**  
due to the unparalleled frequency accuracy of the 406 transmitter
- **Identification of the aircraft in distress**  
the ELT transmits a unique aircraft identification number
- **Efficient process of false alarms**  
to avoid costly search and rescue operations

## Description

Specialist in pinpointing distresses by satellite and number one in 406 MHz maritime Emergency Position Indicating Radio Beacons (EPIRBs), KANNAD extends its range of ELTs with the KANNAD 406 SURVIVAL.

The KANNAD 406 SURVIVAL is fitted with a water switch sensor. It is automatically activated when in contact with water.

Emergency locator transmitter of type (S), the survival is supplied with a floating collar.



## Key features and options

The ELT is programmed with either the aircraft tail number, a serial number or the aircraft operator designator. This operation takes only a few seconds with the programming equipment developed by KANNAD.

It can be installed inside an aircraft on a mounting bracket or in a carry-off bag (both on options). The mounting bracket option includes a locking pin to avoid accidental activation before ELT removal. The locking pin can be ordered separately with the carry off version.

The ELT is fitted with a "Water Switch Sensor" activating automatically the transmission when in contact with water.

A buzzer and a visual indicator (LED) signals activation.

An integrated "self test" checks the main functions of the beacon. The test result is given by the visual indicator flashing sequence.

**Battery replacement is only necessary every 6 years** thanks to LiMnO2 technology. This represents a considerable improvement over standard generation ELTs with battery replacement necessary every year or every two years.

The **KANNAD 406 SURVIVAL** is qualified by the French Civil Aviation in Europe with **JTSO-2C91a & JTSO-2C126** and by FAA with **TSO-C91a & TSO-C126** applied to "survival" beacons.

The Kannad 406 SURVIVAL fully complies with JAR-OPS 1-830 regulation.

## P/N

P/N S1823502-05

### Options:

P/N S1820511-03 carry-off bag

P/N S1820511-02 Mounting bracket with locking pin

## TECHNICAL SPECIFICATIONS

### TRANSMISSION

406.025 MHz  
 5W (37 ±2dBm)  
 Modulation 16K0G1D  
 (bi-phase L encoding) with aircraft identification code  
 Distress message every 50 s  
 121.5 MHz and 243 MHz  
 100mW min (+20dBm)  
 Modulation 3K20A3X  
 Audio sweep from 1420 Hz to 490 Hz  
 Continuous transmission

### POWER SUPPLY

Solid Cathode Lithium battery pack (LiMnO2)  
 Battery replacement every 6 years

### PROGRAMMING

Aircraft nationality and registration marking  
 Aircraft operator designator and ELT serial number up to 4096  
 Aircraft ICAO 24 bit address  
 Serial number

### ACTIVATION

Water switch activation  
 Manually

### SELF TEST

406 MHz RF power  
 Battery voltage  
 Frequency  
 Programming

### TEMPERATURE RANGE

Operating -20°C to +55°C  
 Storage -55°C to +85°C

### MECHANICS

Molded plastic  
 Color yellow (color compounded)

### WEIGHT AND DIMENSIONS

1375 gr (3.031lbs) including battery pack, auxiliary antenna and floating collar  
 Transmitter 172 x 82 x 82 mm (6.77 x 3.22 x 3.22")

### TESTS & CERTIFICATION

Type ELT(S)  
 JTSO-2C91a, JTSO-2C126  
 ED 62, ED14  
 TSO-C91a, TSO-C126  
 D0183, D0204, D0160  
 Resistance, crush, 50 G shocks, cabin depressurization, watertightness

### CONTROLS

ARM / OFF / ON switch  
 Bright red LED  
 TNC antenna connector

### ANTENNA

Three frequency (121.5 / 243 / 406 MHz)  
 Whip 400 mm (15.75")  
 TNC connector