



TYPE APPROVAL CERTIFICATE

For a 406 Megahertz Distress Beacon for use with the Cospas-Sarsat Satellite System

Certificate Number: 201

Manufacturer: KANNAD, France
Beacon Type: FF EPIRB and Non-FF EPIRB
Beacon Models: "SafeLink Auto" and "SafeLink Manual+"
Test Laboratory: Intespace, France
Dates of Test: June 2009 – January 2010

Details of the beacon features and battery type are provided overleaf.

The Cospas-Sarsat Council hereby certifies that the 406 MHz Distress Beacon Model identified above is compatible with the Cospas-Sarsat System as defined in documents:

C/S T.001 Specification for Cospas-Sarsat 406 MHz Distress Beacon
Issue 3 – Rev. 9, October 2008
C/S T.007 Cospas-Sarsat 406 MHz Distress Beacon Type Approval Standard
Issue 4 – Rev. 3, October 2008

Date Originally Issued: 28 January 2010

A handwritten signature in black ink, appearing to read "Levesque".

D. Levesque
Head of Cospas-Sarsat Secretariat

NOTE, HOWEVER:

1. This certificate does not authorize the operation or sale of any 406 MHz distress beacon. Such authorization may require type acceptance by national administrations in countries where the beacon will be distributed, and may also be subject to national licensing requirements.
2. This certificate is intended only as a formal notification to the above identified manufacturer that the Cospas-Sarsat Council has determined, on the basis of test data of a beacon submitted by the manufacturer, that 406 MHz distress beacons of the type identified herein meet the standards for use with the Cospas-Sarsat System.
3. Although the manufacturer has formally stated that all beacons identified with the above model name(s) will meet the Cospas-Sarsat specification referenced above, this certificate is not a warranty and Cospas-Sarsat hereby expressly disclaims any and all liability arising out of or in connection with the issuance, use or misuse of the certificate.
4. This certificate is subject to revocation by the Cospas-Sarsat Council should the beacon type for which it is issued cease to meet the Cospas-Sarsat specification. A new certificate may be issued after satisfactory corrective action has been taken and correct performance demonstrated in accordance with the Cospas-Sarsat Type Approval Standard.
5. Cospas-Sarsat type approval testing requirements only address the electrical performance of the beacon at 406 MHz. Conformance of the beacon to operational and environmental requirements is the responsibility of national administrations.

Beacon Models: "SafeLink Auto" and "SafeLink Manual+"

Operating temperature range: -20°C to +55°C

Battery Details: Panasonic CR123A Lithium-Manganese Dioxide, 9 cells, Battery pack manufactured by Williamson, P/N 0146030

Operating Lifetime: 48 hours

Transmit Frequency: 406.037 MHz

Beacon Model Features:

- Internal Navigation device (GPS), manufactured by FASTRAX, model UC322;
- 121.5 MHz auxiliary radio locating device (50 mW, duty cycle 95%, swept tone cycle 34%);
- Built-in strobe light (Intensity 0.75 cd, 23 flashes per minute);
- Manual and automatic activation by a water-switch;
- Self-test mode with one burst of 520 ms;
- Beacons were tested only in EPIRB configurations, corresponding to beacon operation while floating in water, or on a deck, or in a safety raft.

Approved Beacon Message Protocols: Beacon is approved for encoding with the message protocols indicated with "Yes" and black text below:

USER PROTOCOLS

- No Maritime with MMSI
- No Maritime with Radio Call Sign
- No EPIRB Float Free with Serial Number
- No EPIRB Non Float Free with Serial Number
- No Radio Call Sign
- No Aviation
- No ELT with Serial Number
- No ELT with Aircraft Operator and Serial Number
- No ELT with Aircraft 24-bit Address
- No PLB with Serial Number
- No National (Short Format Message)
- No National (Long Format Message)

USER-LOCATION PROTOCOLS

- Yes Maritime with MMSI
- Yes Maritime with Radio Call Sign
- Yes EPIRB Float Free with Serial Number ⁽¹⁾
- Yes EPIRB Non Float Free with Serial Number ⁽²⁾
- Yes Radio Call Sign
- No Aviation
- No ELT with Serial Number
- No ELT with Aircraft Operator and Serial Number
- No ELT with Aircraft 24-bit Address
- No PLB with Serial Number

LOCATION PROTOCOLS

- Yes Standard Location: EPIRB with MMSI
- Yes Standard Location: EPIRB with Serial Number
- No Standard Location: ELT with 24-bit Address
- No Standard Location: ELT with Aircraft Operator Designator
- No Standard Location: ELT with Serial Number
- No Standard Location: PLB with Serial Number
- Yes National Location: EPIRB
- No National Location: ELT
- No National Location: PLB

Notes: (1) Applicable to FF EPIRB model "SafeLink Auto" only;

(2) Applicable to Non-FF EPIRB model "SafeLink Manual+" only.