TYPE APPROVAL CERTIFICATE

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

Certificate Number: 309

Manufacturer: Standard Communications Pty Ltd (GME), Australia

Beacon Type(s):   Non-Float Free EPIRB

Beacon Model(s):   MT600G, MT600

Test Laboratory: OMEGA, Sevastopol, Crimea, Ukraine

Dates of Test: September 2012 – November 2013

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 – Revision 13, October 2012

C/S T.007   Cospas-Sarsat 406 MHz Distress Beacon Type Approval Standard
                   Issue 4 – Revision 4, October 2012

Original **TAC 247** issued on **12 December 2013**   **3-rd** extension **TAC 293** issued on **6 December 2018**
1-st extension **TAC 286** issued on **9 February 2017**
2-nd extension **TAC 293** issued on **23 October 2017**

                                                Steven W. Lett
                                                Head of Cospas-Sarsat Secretariat

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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 Model:	MT600G, MT600
Manufacturer:	Standard Communications PTY, Ltd., Australia
Operating temperature range:	-20°C to +55°C
Battery Details:	Lithium - Sulfur Dioxide, SAFT LO 26 SX, 2 x "D"- size cells
Operating Lifetime:	48 hours
Transmit Frequency:	406.040 MHz

Beacon Model Features:

- 121.5 MHz auxiliary radio locating device (31.6 mW, duty cycle – 96%);
- Strobe light (brightness > 0.75 cd, duty cycle - 20 flashes/minute);
- Internal GPS, Antenova Model M10478-A2[2];
- Self-test mode, one burst of 440[1] ms / 520[2] ms;
- GNSS Self-test mode[2];
- Integrated antenna;
- Manual beacon activation;
- Messages of short[1] or long[2] format;
- Beacon was tested in EPIRB configurations.

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

USER PROTOCOLS[1]		USER-LOCATION[2] PROTOCOLS		LOCATION PROTOCOLS[2]	
Yes	Maritime with MMSI	Yes	Maritime with MMSI	Yes	Standard Location: EPIRB with MMSI
Yes	Maritime with Radio Call Sign	Yes	Maritime with Radio Call Sign	Yes	Standard Location: EPIRB with Serial Number
Yes	EPIRB Float Free with Serial Number	No	EPIRB Float Free with Serial Number	No	Standard Location: ELT with 24-bit Address
Yes	EPIRB Non Float Free with Serial Number	Yes	EPIRB Non Float Free with Serial Number	No	Standard Location: ELT with Aircraft Operator Designator
Yes	Radio Call Sign	Yes	Radio Call Sign	No	Standard Location: ELT with Serial Number
No	Aviation	No	Aviation	No	Standard Location: PLB with Serial Number
No	ELT with Serial Number	No	ELT with Serial Number	Yes	National Location: EPIRB
No	ELT with Aircraft Operator and Serial Number	No	ELT with Aircraft Operator and Serial Number	No	National Location: ELT
No	ELT with Aircraft 24-bit Address	No	ELT with Aircraft 24-bit Address	No	National Location: PLB
No	PLB with Serial Number	No	PLB with Serial Number		
Yes	National (Short Format Message)				
No	National (Long Format Message)				

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[1] – applicable only to the non-GPS model "MT600"
[2] – applicable only to the GPS model "MT600G"