TYPE APPROVAL CERTIFICATE

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

Certificate Number: 413

Manufacturer: GME Pty Ltd, Australia

Beacon Types: Non-Float Free EPIRB/Float Free EPIRB

Beacon Models: MT606G, MT606FG

Test Laboratory: TÜV SÜD, Fareham, UK

Dates of Test: November 2023 – December 2024

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 4 – Rev. 11, October 2023

C/S T.007 Cospas-Sarsat 406 MHz Distress Beacon Type Approval Standard, Issue 5 – Rev. 10, October 2023

Original **TAC 413** issued on **14 May 2025**

Dr. Shefali Juneja
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.

6. This certificate authorizes the use of the registered name mark “Cospas-Sarsat” and of registered trademarks for the Programme’s logos, for labelling, instruction materials, and marketing of the 406-MHz beacon model identified, but not for other marketing or sales purposes (i.e., not for general uses beyond this specific beacon model).

Certificate Number: 413 **Dated: 14 May 2025**

Beacon Model: MT606G (Non-FF EPIRB) and MT606FG (FF EPIRB)

Manufacturer: GME Pty Ltd, Australia

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

Battery Details: Lithium Iron Disulfide, Energizer L91, four packs of two "AA"- size cells connected in series, battery pack P/N 080032, battery pack replacement period: 10 years

Operating Lifetime: 48 hours

Transmit Frequency: 406.031 MHz

Beacon Model Features:

- 121.5 MHz auxiliary radio locating device (power of 21.6 dBm, duty cycle of 50%, swept tone duty 30%);
- AIS transmitter, power 34.4 dBm;
- Strobe light (brightness of 0.75 cd, flash rate of 20 flashes/minute);
- Internal receiver (GPS & Galileo, uBlox model MAX-M10S, internal passive antenna);
- Encoded position data update interval of 5 minutes;
- Self-test mode, one burst of 520 ms;
- GNSS Self-test mode, one burst of 520 ms, number of GNSS self-tests is limited to 23;
- Integral transmitting 406 MHz/121.5MHz/AIS antenna;
- Manual beacon activation, and automatic beacon activation on contact with water;
- Messages of long format;
- Beacon was tested in test configurations as for EPIRB floating in water, or on 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		USER-LOCATION PROTOCOLS		LOCATION PROTOCOLS	
No	Maritime with MMSI	No	Maritime with MMSI	**Yes**	**Standard Location: EPIRB with MMSI**
No	Maritime with Radio Call Sign	No	Maritime with Radio Call Sign	**Yes**	**Standard Location: EPIRB with Serial Number**
No	EPIRB Float Free with Serial Number	No	EPIRB Float Free with Serial Number	No	Standard Location: ELT with 24-bit Address
No	EPIRB Non Float Free with Serial Number	No	EPIRB Non-Float Free with Serial Number	No	Standard Location: ELT with Aircraft Operator Designator
No	Radio Call Sign	No	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		
No	National (Short Format Message)				
No	National (Long Format Message)				