

MARINE DIVISION

17 bis Place des Reflets - La Défense 2
92400 Courbevoie - France

Tel. 33 1 42 91 52 91
Fax. 33 1 42 91 28 94
www.veristar.com



Certificate number: 13686/A5 EC

File number : RAD 01/22643/01

Annex A1 Item number : A.1/5.6

This certificate is not valid when presented without the full attached schedule composed of 7 sections

EC TYPE EXAMINATION CERTIFICATE

*as per Module B of European Union Council Directive 96/98/EC on marine equipment
as last amended by Commission Directive 2002/75/EC of 2 September 2002*

This certificate is issued to

Standard Communications Pty Ltd

Gladesville - AUSTRALIA

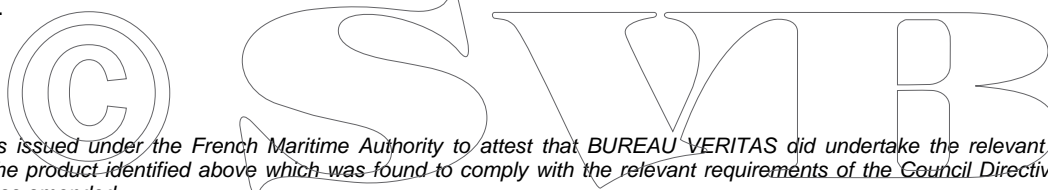
for the type of product

406 MHZ EPIRB (COSPAS-SARSAT)

Non float-free satellite type: GME-MT400, GME-MT402, GME-MT401, GME-MT403 & GPS type GME-MT403G +++
Float-free satellite type: GME-MT401FF, GME-MT403FF & GPS type GME-MT403FG.

Regulations and standards :

SOLAS 74, as amended, Regs. IV/14, IV/7.1.6 (except IV/7.1.6.4), X/3 - IMO Res.A.694(17), MSC.36(63) 14.6.1.6 (1994 HSC Code), MSC.97(73) 14.7.1.6 (2000 HSC Code), MSC/Circ.862, A696(17), A810(19), as amended by IMO Res.MSC.56(66) and MSC.120(74) - IUT.R M633-2(05/00), IUT.R M 690-1(10/95) - IEC 60945(2002) - IEC 61097-2(1994) - ETS 300 66-2/V 1.3.1(2001-01).



This certificate is issued under the French Maritime Authority to attest that BUREAU VERITAS did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Council Directive 96/98/EC of 20 December 1996 as amended



This certificate is valid until : 27 Jul 2009

At Paris la Défense, on : 24 Apr 2008

For BUREAU VERITAS, Notified Body N°0062

By order of the Secretary

Approval office

Local office : BV BRISBANE

Surveyor : F. Zaharia

L.COURREGELONGUE



This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex B of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. BUREAU VERITAS S.A. is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine Division. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

| |
|---|
| I Manually Activated Satellite EPIRB without a float-free mechanism - type GME-MT400₁ & GME-MT402₂ (Class 2) |
| II Water Activated/manually released Satellite EPIRB without a float-free mechanism - type GME-MT401₁, GME-MT403₂ & GME-MT403G - with integral GPS receiver (Class 2) |
| III Water Activated/manually released Satellite EPIRB with a float-free mechanism (automatic release mechanism) - Type GME-MT401FF₁, GME-MT403FF₂ & GME-MT403FG - with integral GPS receiver (Class 2) |

1.1 - Main Characteristics:

- | | |
|--------------------------------|---|
| - Beacon type: | Maritime |
| - Antenna model: | Flexible blade integrated with the beacon |
| - Operating temperature range: | -20° C to +55° C (class 2) |
| - Operating lifetime: | 48 hrs |
| - Beacon Battery type: | 1) Li-SO ₂ (2 D-cells), type Saft LO26 SX or 2) Li/MnO ₂ type: either VARTA (CR 2/3 AH, 5x2 cells) or VARTA (CR 123 A, 5x2 cells) |
| - Frequency: | 406,028 Mhz ± 0.001 Mhz |
| - UHF Output power: | 5 W ± 2dB |
| - Class of Emission: | 16 KOG1D |

1.2 - Physical characteristics: (EPIRB only)

- | | |
|---------------|----------------------------|
| - Dimensions: | 260(H) x 102(W) x 83(D) mm |
| - Weight: | 535 g |

1.3 - Homing device:

- | | |
|-----------------------|-----------------------|
| - Frequency: | 121.5 Mhz ± 0.005 Mhz |
| - Homer Power (PERP): | 50 mW ± 3dB |
| - Class of Emission: | 3K2OA3X |

1.4 - Strobe light:

- | | |
|---------------|---------------------------|
| - Brightness: | > 0.75 Candela |
| - Rate: | 20/21 flashes per minutes |

1.5 - Self-test: Short

1.6 - Automatic release system: GME

2. DOCUMENTS AND DRAWINGS :

2.1 - In accordance with the manufacturer's drawings and documents, at latest and at any subsequent issue endorsed by Bureau Veritas:

2.1.1 - Drawings N°s:

- | | | |
|------------------------|---------------------------|-----------|
| - 41973-2 | - 41738-1 | - 41576-2 |
| - 41974-1 | - 41784-2 [MT401 only] | - 41784-2 |
| - 41950-2 | - 41776-5 | - 41739-2 |
| - 42383-4 | - 42719-1 [MT401 FF only] | - 41785-3 |
| - 41576-2 [MT400 only] | - 42867-2 [MT401 FF only] | - 42421-2 |
| - 41739-2 | - 42421-2 [MT401 only] | |
| - 41785-3 [MT400 only] | - 44089-1 | |
| | - 44241-1 | |

- 2.1.2 - Operating instructions:
 42210-1, P/N 310221(MT400/401), 42723-2, P/N 310337(MT401FF),
 44041.2, P/N 310403 (M1400/403), 44212-1, PN 310424 (MT403/403G)
 44055-1, P/N 310406 (MT403FF/403FG)
- 2.1.3 - Technical manual: ED030703-x rev.1 dated 03/Jul./2003
- 2.1.4 - Marking ref.: ED051026-04 dated 26/Oct./2005
- 2.1.5 - Annex E (Change Notice Form) & Annex J (Beacon QA Plan)
- 2.1.6 - Protocol serial user / Maritime user / call sign user.
- 2.1.7 - Approval Submission for C/S ref : ED070913-04 ed.3 dated 24/Oct./2007.
- 2.1.8 - Standard Communications annex H- Change notice form dated 11/Jul./2007.
- 2.1.9 - C/S amended web report for TAC 139 revision date : 09/Nov./2007.
- 2.1.10 - CR123A Data sheet dated 18/Jul./2006.
- 2.1.11 - Annex F beacon type approval test results dated Jul./2007

Nb: This above list can be revised to show changes to drawing and documents issue status.

Before changes can be implemented, new drawings must be provided to Bureau Veritas for review and acceptance.
 The new drawing list will be stamped and endorsed accordingly.

3. TEST REPORTS :

- | | |
|---|--|
| 3.1 - Type approval certificate: 139 - dated: 18/Nov./03, amended 24/Feb./04, 23/Dec./04 and 05/Oct./05 - Issued by: COSPAS-SARSAT | 3.2 - Test report: M4586 - dated: 28/Nov./2003 - Issued by: Intespace |
| 3.3 - Test report: ED040520-05 - dated: 20/May/2004 - Issued by: Standard Communications Pty Ltd. | 3.4 - Test report: ED040414-02 - dated: 15/Apr./2004 - Issued by: Standard Communications Pty Ltd. |
| 3.5 - Test report: - dated: 21/Sep./2004 - Issued by: Geoscience Australia Earth Monitoring Mineral and Geohazards division (Aus. Gov.) | 3.6 - Test report: 04T115-01 - dated: 15/Nov./2004 - Issued by: Standard Communications Pty Ltd. |
| 3.7 - Test report: ED041012-06 - dated: 26/Nov./2004 - Issued by: Standard Communications Pty Ltd. | 3.8 - Test report: ED040520-06 - dated: 20/May/2004 - Issued by: Standard Communications Pty Ltd. |
| 3.9 - Test reports: SJ614521-001 & SJ614521-002 & SJ 614521-003 Issue 1 & SX614521-001 Issue 1 & SX614521-002 Issue 1 & SX614521-003 Issue 1, SX614521-004 Issue 1, SX614521-005 Issue 1 - dated:13/Sep./05,13/Sep./05, 7/Oct./05, 13/Sep./05, 23/Sep./05, 11/Oct./05, 23/Sep./05, 26/Sept/05 - Issued by: TÜV | 3.10 - Test report: 3110 - dated: Sep.2005 - Issued by: Cardiff University - tests witnessed by TÜV. |
| 3.11 - Test report: 75901906 THC 01 Issue 1 & 75901906 THC 02 Issue 1 - dated: 02/Aug./2007 - Issued by: TÜV. | 3.12. Test Report: 7590 1666 Report 04 Issue 2 - dated: 19/March/2008 - Issued by: TUV |
| 3.13 - Type approval certificate: 186 - dated: 25/Mar./2008 - Issued by: COSPAS-SARSAT | |

Note: The above tests § 3.3 and § 3.8 were witnessed by a Society's Surveyor.

4. APPLICATION / LIMITATION :

As per requirements of Regulations stated on front page of this certificate.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - This certificate does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D "Production Quality Assurance" or E "Product Quality Assurance" or F "Product Verification" of Annex B of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

5.2 - Each EPIRB intended to be fitted onboard a ship registered to a national register adhering to the directive shall be delivered with a Declaration of Conformity, which shall be signed by the manufacturer.

6. MARKING OF PRODUCT :

Provided with a label or labels containing the following information at least in English:

- Type designation, serial number, type of battery specified.
- Date of battery replacement.
- Adequate instruction to enable manual activation, deactivation and self test.
- A warning to the effect that the satellite EPIRB shall not be operated except in an emergency.
- Ship name / Call sign / MMSI N°.
- Class of the EPIRB.
- Identity code programmed, namely hexadecimal representation of bits 26 to 85 of the digital message
- The compass-safe distance.
- Markings as per MED 96/98/EC when authorized by a Notified Body:

☒ YYYY/XX where YYYY is the number of the Notified Body undertaking surveillance module (when BV, 0062) and where XX are the last two digits of year mark affixed.

7. OTHERS :

7.1 - This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the EPIRB at any time, and that **Standard Communications Pty Ltd., Gladesville - AUSTRALIA** will accept the responsibility for informing shipbuilders or their sub-contractors of the proper methods of use and general maintenance of the EPIRB and of the conditions of this approval.

7.2 - This certificate supersedes EC Type Examination Certificate N° 13686/A4 EC, issued on 28/11/2007 by the Society.

