

CS05/266/F510 (Standard Communications Pty Ltd)

5 October 2005

Mr. Craig Duncan
Standard Communications Pty. Ltd.,
Locked Bag 2086
North Ryde
NSW 1670
Australia

Dear Mr. Duncan

Subject: Cospas-Sarsat Type Approval Certificate No (139) (ENGLISH)

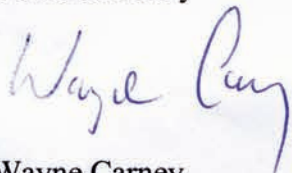
I have pleasure of informing you that the subject Cospas-Sarsat 406 MHz Beacon Model type approval certificate has been amended to include the MT400, MT401 and MT401 float free variants.

In this respect please find enclosed the original Cospas-Sarsat Type Approved Certificate No. 139 for the above model in English together with three certified copies, and copies of the beacon model reports that are published to the Cospas-Sarsat website.

Please let us know whether you wish to receive the French and Russian versions of this certificate.

The Secretariat remains at your disposal for any further assistance you may require.

Yours sincerely

A handwritten signature in blue ink, appearing to read "Wayne Carney".

Wayne Carney
Cospas-Sarsat Secretariat

Encls: Original certificate no.139 (English) plus three certified copies.

Cospas-Sarsat Secretariat Website Reports for Beacon Models MT400, MT401 and MT401 FF

cc: The Cospas-Sarsat Parties (Canada, France, Russia and USA)

COSPAS-SARSAT TYPE APPROVAL CERTIFICATE

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

WHEREAS, **STANDARD COMMUNICATIONS PTY. LTD.** of **Gladesville, NSW, Australia**, the manufacturer of a 406 Megahertz Distress Beacon packaged as a **Non-Float Free EPIRB** and identified as models **MT400, MT401 FF and MT401** has submitted test data and had said beacon tested in **October 2003** at a facility accepted by Cospas-Sarsat at **Intespace, Toulouse, France**, to demonstrate that said beacon meets the applicable technical requirements for use with the Cospas-Sarsat Satellite System, as defined in documents **C/S T.001 "Specification for Cospas-Sarsat 406 MHz Distress Beacons"**, Issue 3 - Rev. 4, October 2002, and **C/S T.007 "Cospas-Sarsat 406 MHz Distress Beacon Type Approval Standard"**, Issue 3 - Rev. 9, October 2002*, for the frequency channel **406.028 MHz**;

WHEREAS, the Cospas-Sarsat Council has determined, following a review of the test results, that the said beacon meets the Cospas-Sarsat Class 2 requirements and is rated for operating over the temperature range of **-20 °C to +55 °C****, with battery:

SAFT / LO 26SX

Lithium Sulphur Dioxide (LiSO₂, 2 D-cells) and

WHEREAS, said manufacturer has certified that all other units of the same type will meet said technical requirements in a similar manner to the unit subjected to test, which incorporated the following features:

- **121.5 MHz Auxiliary radio locating device (17 dBm, continuous).**
- **Strobe light (>0.75 cd, 20/21 flashes/min).**
- **Self-test mode (one burst of 440 ms).**
- **Audible annunciator.**

* **Beacon is approved for use with Serial User, Maritime User, Radio Call Sign User and National User short format protocols.**

** **Specified operating lifetime 48 hours.**

MT400 is activated with a manual switch and MT401 is water activated.
MT401 FF includes water activation switch and automatic release mechanism.

NOW, THEREFORE, in reliance upon the following, the Cospas-Sarsat Council does hereby certify that the 406 MHz Distress Beacon Model identified herein is compatible with the Cospas-Sarsat System as of the date of this Certificate.

Certificate No: **139**

Date: **18 November 2003, amended 24 February 2004, 23 December 2004 and 5 October 2005**

Signed by:


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. 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 this certificate.
3. 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.

MARINE DIVISION

17 bis Place des Reflets - La Défense 2
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Certificate number: 13686/A2 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 EPIRB type: GME-MT400 & GME-MT401 +++ Float-free satellite EPIRB type: Type GME-MT401FF.

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 (1996) - 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 : 02 Dec 2005

For BUREAU VERITAS, Notified Body N°0062

By order of the Secretary

Approval office

Local office : BV BRISBANE

Surveyor : F. Zaharia


J. BENOIT



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 - MT 400 (Class 2)
II Water Activated/manually released Satellite EPIRB without a float-free mechanism - type GME - MT 401 (Class 2)
III Water Activated/manually released Satellite EPIRB with a float-free mechanism (automatic release mechanism) - Type GME - MT 401 FF(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: Li-SO₂ (2 D-cells) , type Saft LO26 SX
- 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 - Referenced documents below are filed in RAD 01/22643/1

1 - Drawings N°s:

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

Nb: This above list can be revised to show changes to drawing 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.

- . 2 - Operating instructions: 42210-1, P/N 310221(MT400/401, 42723-2 P/N 310337(MT401FF)
- . 3 - Technical manual: ED030703-x rev.1 dated 03/Jul./2003
- . 4 - Manufacturing, Test and Inspection Plan (MTI Plan) ref.: 41929 rev. 10 dated 31-10-2005
- . 5 - Marking ref.: ED051026-04 dated 26/10/2005
- . 6 - Annex E (Change Notice Form) & Annex J (Beacon QA Plan)
- . 7 - Protocol serial user / Maritime user / call sign user

2.2 - Manufacturing documentation: to be approved by the Society prior to EC ® marking authorization.

2.3 - Manual (s) for installation, use and maintenance to be stamped by a Society's Surveyor. To be available in one of the IMO languages, in addition to ship's flag language.

3. TEST REPORTS :

- 3.1 - Type approval certificate: 139
 - dated: 18/Nov./03, amended 24/Feb./04 and 23/Dec./04
 - 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: 041115-01
 - 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 report: 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

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 - The Production Conformity Assessment Module shall be "D" Production-Quality Assurance.

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.

5.3 - Each equipment is to be supplied with Manual (s) for installation, use & maintenance (cf. § 2 above).

6. MARKING OF PRODUCT :

6.1 - 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.
- ® conformity mark and number of the Notified Body undertaking surveillance module (where BV, 0062).
- Last two digits of year mark affixed.

6.2 - Markings as detailed in article 11 of the Directive, must not be applied until the relevant module 'D' certificate has been issued to the manufacturing works by the notified body.

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/A1 EC, issued on 17/02/2005 by the Society.

*** END OF CERTIFICATE ***

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**BUREAU
VERITAS**

Certificate number

SMS.W.I.CE.D/22643/A.0



QUALITY SYSTEM APPROVAL

This is to certify that the Quality System of :

Standard Communications Pty Ltd

**is approved according to the European Council Directive 96/98 EC on Marine
Equipment, as amended
for Module D
Production Quality Assurance**

Works address :

Gladesville (AUSTRALIA)

Item designation(s) (as detailed in the attached Schedule of Approval) :
406 MHZ EPIRB (COSPAS- SARSAT) (A1506)

This Approval will remain valid provided that the periodical audits and inspections are carried out by Bureau Veritas as stated in the mutual Agreement.

The Approval is valid until : 12/05/2008

For BUREAU VERITAS

Florin Zaharia

On : 29/07/2004

This certificate is delivered within the scope of the General Conditions of BUREAU VERITAS Marine Division. Any Person not a party to the contract pursuant 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 judgment, 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.

BV Mod. Ad.E 618 - (07/04)



Certificate AU97/0906

SGS

The management system of

**Standard Communications
Pty Ltd**

6 Frank Street, Gladesville NSW 2111
Australia



has been assessed and certified as meeting the requirements of

AS/NZS ISO 9001:2000

For the following activities

**The manufacture of electronic communications
equipment.**

This certificate is valid from 11/05/2003 until 11/05/2006.
Issue 1. Certified since April 1997.

Authorised by

SGS Systems & Services Certification Pty Ltd
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JAS-ANZ



Accredited by the
Joint Accreditation System of
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Page 1 of 1

