



Figure 28.2 — Positions of 4 top screws



Figure 28.3- Remove the 4 top screws using a PZ1 screwdriver

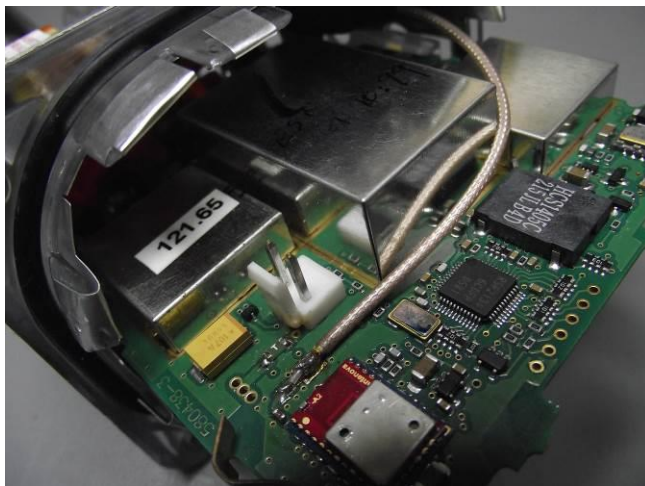
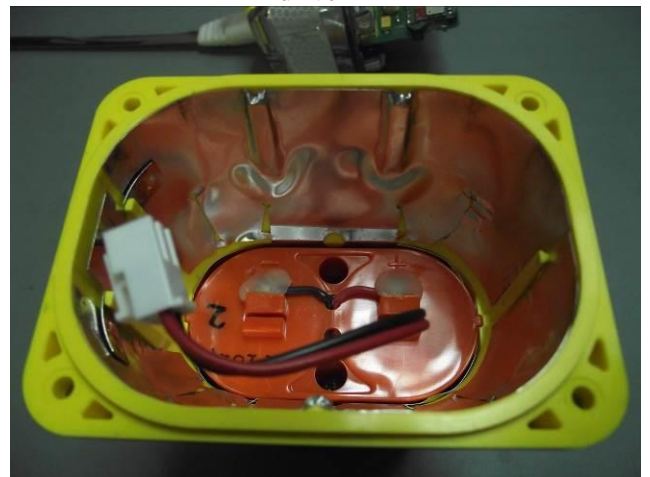


Figure 28.4- Remove the lid assembly by lifting it vertically away from the main body



**TEST EQUIPMENT**

No	Description of tools for disassembling
1.	Screwdriver PZ1
2.	Tweezers

**ANNEX 29.**  
**INDICATION OF PREVIOUS ACTIVATION CHECK**

**Equipment Under Test (EUT):** MT603FG

**SW version:** OS0021 ver 1.00 (8/12/2014)

**Test Date:** 05.05.2016

**Test Conditions:**

- Ambient temperature: 25.5 °C
- Relative humidity: 68 %
- Atmospheric pressure: 753 mm/Hg

**TEST PROGRAM**

Item	Test name	Requirements	Methods
1.	Indication of previous activation check	3.3.9 IEC 61097-2	5.3.9 IEC 61097-2

**DESCRIPTION OF TEST**

The satellite EPIRB shall be provided with means to indicate that the satellite EPIRB has been previously activated, to advise the users of a possible reduction of the required battery capacity. These means is not capable of reset by the user.

This indication of operation is not activated when using the self-test facility.

**TEST RESULT**

Passed

**TEST DETAILS**



Figure 29.1 – Protecting EPIRB means which breaking indicates that the satellite EPIRB has been previously activated

Description of means to indicate that the satellite EPIRB has been previously activated	Manual activation of the satellite EPIRB requires the breaking safety seal. A safety seal that is not broken, serves to indicate that the beacon has never been manually activated. This indication of operation is not activated when using the self-test facility.
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**ANNEX 30.**  
**AUTOMATIC RELEASE MECHANISM AND AUTOMATIC ACTIVATION TEST**

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**Equipment Under Test (EUT):** MT603FG**SW version:** OS0021 ver 1.00 (8/12/2014)**Test Date:** 21.04.2016-22.04.2016**Test Conditions:**

- Atmospheric pressure: 755 – 758 mm/Hg
- Relative air humidity: 57 – 65 %
- Temperature
  - Minimum: -30 °C
  - Maximum: +70 °C
  - Ambient: +21.5 °C

**TEST PROGRAM**

Item	Test name	Requirements	Methods
1.	Ability to check the automatic release mechanism test	A.2.2, 3.2 d) e), 3.5.1 a) IEC 61097-2	5.2.1 IEC 61097-2

**TEST DESCRIPTION**

The automatic release mechanism and the assembly should be mounted on a fixture simulating a deck or a bulkhead as per manufacturer's installation instructions. The fixture should then be submerged in water as specified below.

The EUT should float free before reaching a depth of 4 meters and should automatically activate.

The test should then be conducted at ambient temperature except as specified below with the EUT rotated in each instance prior to immersion.

1. Normal mounted orientation.
  - a. EUT (including automatic release mechanism and assembly) at minimum stowage temperature.
  - b. EUT (including automatic release mechanism and assembly) at maximum stowage temperature.
  - c. EUT (including automatic release mechanism and assembly) at ambient temperature.
2. Rolling 90° starboard.
3. Rolling 90° port.
4. Pitching 90° bow down.
5. Pitching 90° stern down.
6. Upside down.

Activation should be verified by observing operation of the strobe light.

**TEST RESULT**

During the tests at the extreme temperatures EUT was installed in a climatic chamber and maintained for 2 hours at the extreme temperatures. Tests for float-free arrangements were performed during 5 minutes after extracting EUT from the climatic chamber.

Activation was verified by observing operation of the strobe light.

**TEST DETAILS**

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Figure 30.1 – The satellite EPIRB automatically released at normal orientation after maintained at minimum storage temperature



Figure 30.2 - The satellite EPIRB automatically released at normal orientation after maintained at maximum storage temperature



Figure 30.3 - The satellite EPIRB automatically released at normal orientation at ambient temperature

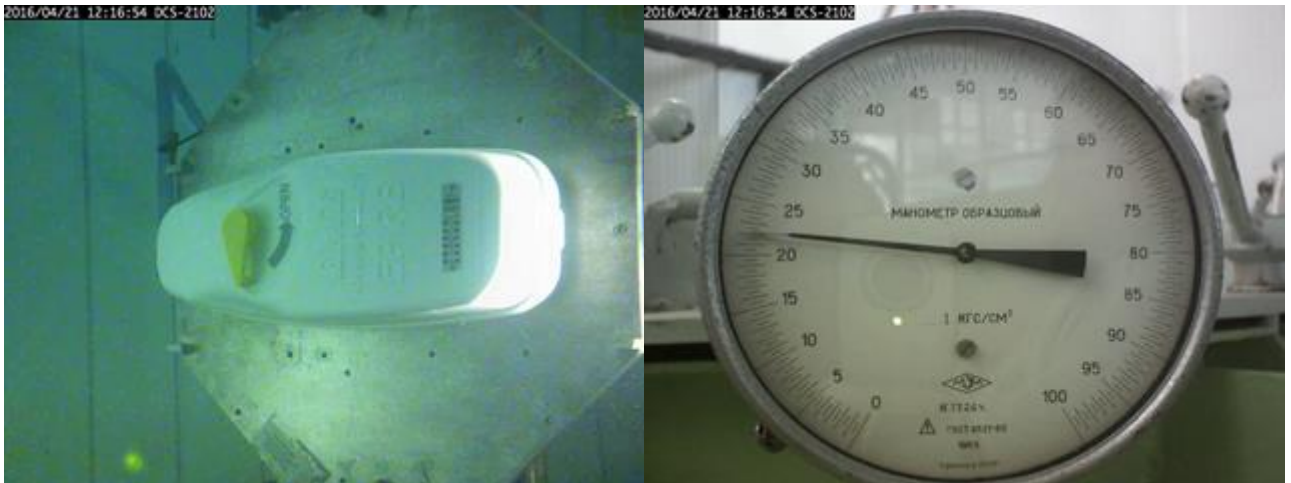


Figure 30.4 - The satellite EPIRB automatically released at Rolling 90° starboard orientation



Figure 30.5 - The satellite EPIRB automatically released at Rolling 90° port orientation



Figure 30.6 - The satellite EPIRB automatically released at Pitching 90° bow down orientation



Figure 30.7 - The satellite EPIRB automatically released at Pitching 90° stern down orientation

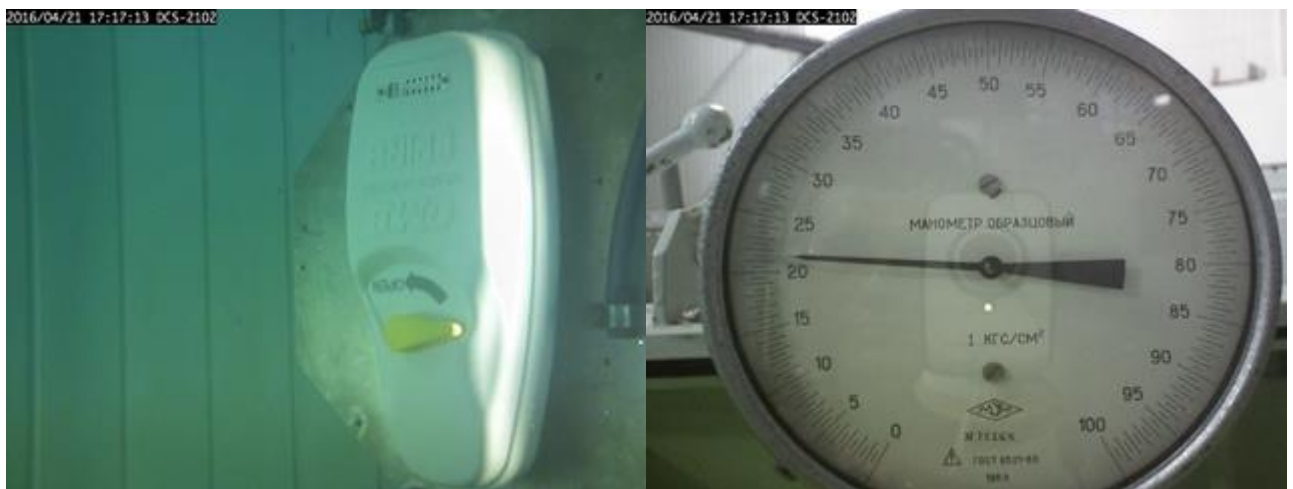


Figure 30.8 - The satellite EPIRB automatically released at Upside down orientation

#### FINAL RESULTS OF AUTOMATIC RELEASE MECHANISM AND AUTOMATIC ACTIVATION TESTS

PARAMETERS TO BE MEASURED DURING TESTS	RANGE OF SPECIFICATION	UNITS	TEST RESULTS	COMMENTS (PASS/FAULT)
Normal mounted orientation (after min stowage temperature)	< 4	m	3.56	PASS
Normal mounted orientation (after max stowage temperature)	< 4	m	0.80	PASS
Normal mounted orientation	< 4	m	2.50	PASS
Rolling 90° starboard	< 4	m	2.20	PASS
Rolling 90° port	< 4	m	2.20	PASS
Pitching 90° bowdown	< 4	m	3.32	PASS
Pitching 90° sterndown	< 4	m	2.37	PASS
Upsidedown	< 4	m	2.15	PASS



**TEST EQUIPMENT**

<b>No</b>	<b>Name of test equipment</b>	<b>Type, model</b>	<b>ser. No</b>	<b>Calibration Due date</b>
1	Manometer	MO	77264	06.2016
2	Set of hydrostatic testing	EDVIGA	101456	12.2018
3	Climatic chamber	GTH 408-70-CP- AR-LN2	MAA1212- 004	12.2016
4	Temperature meter	gradient 2002	078	01.2017

**ANNEX 31.  
WAIVER DECLARATIONS**

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## **MT603 Family EPIRBs, Battery Equivalence.**

Date: **09/05/2015**

I, Kevan J. Wilson-Elswood as a representative of

Standard Communications Pty Ltd.  
17 Gibbon Road  
Winston Hills  
NSW  
Australia

Hereby declare that the Battery used on the EPIRB models, MT603 and MT603G are the same as those used on EPIRB model MT400. As such, Battery Testing on model MT400 to confirm the battery meets the requirements of the Recommendations on the Transport of Dangerous Goods, Manual of tests and Criteria, UN ST/SG/AC.10/11/Rev.5 section 38.3, Lithium batteries as reported in Sartech Engineering Ltd. Test report dated 20/September 2010 indicates compliance for the MT603 family of EPIRBs.

Signed

A handwritten signature in black ink, appearing to read 'KWE', written over a horizontal line.

Kevan Wilson-Elswood  
Technical Compliance Manager



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## MT603 Family EPIRBs, Oil Resistance.

Date: 09/05/2015

I, Kevan J. Wilson-Elswood as a representative of

Standard Communications Pty.Ltd.  
17 Gibbon Road  
Winston Hills  
NSW  
Australia

Hereby declare that the materials used on the EPIRB models, MT603 and MT603G which are subject to external environmental influences, are the same as those used on EPIRB model MT600G. As such, Oil Resistance testing on model MT600G to AS/NZS 4280.1:2003 (IEC 61097-2:2002 MOD) Sec.A.2.1, as reported in PE TC Omega Test report Ref. 13/498 Annex 20 indicates compliance for the MT603 family of EPIRBs.

Signed

A handwritten signature in black ink, appearing to read 'Kevan'.

Kevan Wilson-Elswood  
Technical Compliance Manager



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## MT603 Family EPIRBs, Resistance to Solar Radiation.

Date: 09/05/2015

I, Kevan J. Wilson-Elswood as a representative of

Standard Communications Pty.Ltd.  
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Winston Hills  
NSW  
Australia

Hereby declare that the materials used on the EPIRB models, MT603 and MT603G which are subject to external environmental influences, are the same as those used on EPIRB model MT600G. As such, Solar Radiation testing on model MT600G to AS/NZS 4280.1:2003 (IEC 61097-2:2002 MOD) Sec.A.2.1, as reported in PE TC Omega Test report Ref. 13/498 Annex 19 indicates compliance for the MT603 family of EPIRBs.

Signed

A handwritten signature in black ink, appearing to read 'Kevan Wilson-Elswood', written over a horizontal line.

Kevan Wilson-Elswood  
Technical Compliance Manager