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TEST REPORT

Customer Confidential

ENVIRONMENTAL TEST REPORT NO. 5278

MARINE RESCUE TECHNOLOGIES LTD
MARSHALL HOUSE
ZARYA COURT
GROVEHILL ROAD
BEVERLEY
YORKSHIRE
HU17 0JG

DATE : 18 OCTOBER 2013

2379

Product Assessment and Reliability Centre Ltd. performs all of its product testing under a rigorous laboratory management system. We are accredited by UKAS to BS EN ISO/IEC 17025:2005, the "General requirements for the competence of testing and calibration laboratories". Details of our UKAS accredited tests and a copy of our UKAS Schedule of Accreditation are available upon request. Tests marked "non-UKAS" are currently not covered by our UKAS 17025:2005 accreditation. All testing, whether UKAS or non-UKAS, is performed within the same laboratory management system and to the same levels of calibration and traceability.

The results contained in this report relate only to the samples submitted.

parc
product assessment + reliability centre

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TEST REPORT

Report Number: 5278

Issue Number: 1

Date of Issue: 18/10/13

Customer Confidential

Date Samples Arrived	09/10/13	**Requested by:**	Geoff Smith Marine Rescue Technologies Ltd Marshall House Zarya Court Grovehill Road Beverley East Riding HU17 0JG
Date Testing Started	17/10/13		
Date Testing Completed	17/10/13		
Customer Purchase Order No:	32933		

Description of equipment under test:

1 off man overboard radio transmitter
Serial No M16130385, MMSI No 972418882.

Test Performed:			**In accordance with**
Process 1	Rain/Spray Non-activation test	Non-UKAS	BS EN 60529:1992 (modified) & RTCM 11901.1 Section 8.1.5.2. 10 minutes water spray using hand sprayers with 3.5% NaCl solution.

Report Summary:

The sample was subjected to the test regime outlined in this report.

The sample was monitored for false triggering during the armed test and no instances of false triggering were noted.

Upon completion of both test processes the sample was function tested, the sample operated correctly during both of these functional checks.

Disposal of Sample

Returned to customer via courier on 21/10/13.

Distribution:
1. G.Smith
2. PARC Ltd File

Test Engineer — Name: S. Wort
Signature:

Approved by: Name: R. Tabor
Signature:
Job Title: Sales Manager

1. Sample Content

Description	Serial Numbers
1 off man overboard radio transmitter	M16130385, 972418882

2. Test Equipment Used

Test Equipment	PARC Ltd ID number	Calibration Due Date
Scales	99	25/10/13
Conductivity meter	646	Before use
Conductivity reference solution	Lot No 5299	Expiry date 11/2017
pH meter	723	Before use
pH (4) reference solution	Lot No 4347	Expiry date 04/2017
pH (7) reference solution	Lot No 4375	Expiry date 05/2017
Torque wrench	676	25/03/14
RS timer	427	16/07/14

3. Initial Inspection

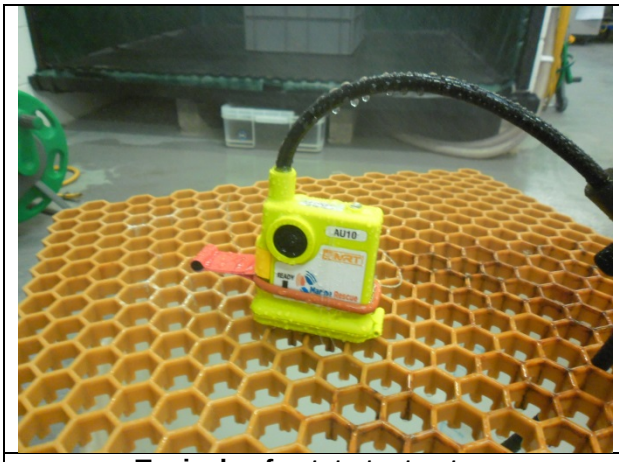
The sample was subjected to an initial visual inspection (non UKAS) and no obvious signs of damage were noted. A pre test functional check was also conducted as per test schedule MRT AU9-AIS JARS OP3.110 (CAA AC200908) and customer's instructions. This consisted of arming and then activating the beacon, a check was made to ensure that they emitted audible SOS tones and that a down swept tone was transmitted on 121.65MHz.

4. Test Procedure

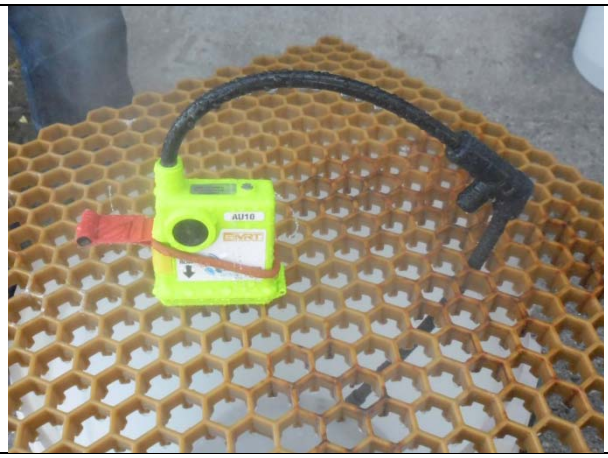
4.1 Process 1 (Non UKAS)

Rain/Spray Non-activation test in accordance with BS EN 60529:1992 (modified) & RTCM 11901.1 Section 8.1.5.2. The sample was subjected to 10 minutes of continual spray of 3.5% NaCl solution via a hand sprayer. The sample was tested initially tested in the safe state and then in the armed state.

4.1.1 Test Photos



Typical safe state test set up



Typical armed state test set up

4.1.2 Test Results/plots

Whilst in the armed state that sample was monitored for false triggering via an AM radio tuned to 121.65MHz, no instances of false triggering were noted during the test.

4.1.3 Function Test

Upon completion of each test the sample was function tested as per the initial inspection, the sample operated correctly during all functional checks conducted.

5. Report Summary

The sample was subjected to the test regime outlined in this report.

The sample was monitored for false triggering during the armed test and no instances of false triggering were noted.

Upon completion of both test processes the sample was function tested, the sample operated correctly during both of these functional checks.

END OF REPORT