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COMMERCIAL-IN-CONFIDENCE

STATEMENT OF TEST

CLIENT Daniamant Limited
 Unit 3. The Admiral Park
 Airport Service Road
 Portsmouth, Hampshire
 United Kingdom, PO3 5RQ

DOCUMENT 75937678 THC 06 Issue 1

CLIENT'S ORDER NUMBER PC0001732 & PC0001774

INCOMING RELEASE NOTE

No delivery documents were supplied

DATE OF RECEIPT

7 March 2015

EQUIPMENT UNDER TEST (EUT)

Lifeboat Lights, comprising the following;

	Description	Model	Number Tested	Sample ref №
1.	Internal Lifeboat Light	SL500	12	1 to 12 incl.
2.	External Lifeboat Light	SL400	12	13 to 24 incl.

TEST SPECIFICATION / ISSUE

- IMO LSA:2010 para 6.12 & 10.1 (Lifeboat Lights).
- MSC 70/23/add.1, Annex 6 (Resolution MSC.81(70) clauses 10.1.1.
- MSC 89/25/Add.1 Annex 12 [Resolution MSC.323(89)]. (Ambient tests).
- MSC 70/23/add.1, Annex 6 (Resolution MSC.81(70) clauses 10.1.3 & 10.1.4)

DEVIATIONS FROM THE STANDARD

The Thermal Cycling Test cold test level specified as -30°C was altered to be a more severe condition at -52°C.

DATE OF TEST

7 March to 25 May 2017

TEST(S) DESCRIPTION

Temperature & Light Tests on the SL400 & SL500 Lifeboat Lights

The following tests were required by the specification:

Test	Description	Test Parameters	Operation
1	Temperature Cycling	24 units tested for x10 cycles between -52°C to +65°C for 8h at each temperature condition.	The units are switched OFF during the test and are examined and operated before and after the test.
2	Operation at Hot, Cold and Ambient Temperatures.	4 units tested at +65°C (samples 1 to 4 & 13 to 16) 4 units tested at -52°C (samples 5 to 8 & 17 to 20) 4 units tested at +20°C (samples 9 to 12 & 21 to 24).	Stabilise all lights at the test temperature and switch ON all lights. Determine the flash rate of the External lights & record battery voltage.
3	Light Tests (Luminous Intensity)	3 SL500 units tested for Luminous Intensity (Internal samples 1, 5 & 9). 3 SL400 units tested for Luminous Intensity & Flash Rate (External samples 13, 17 & 21).	The test is carried out at the laboratory of OptiConsulting Ltd, Buxton SK17 6UG, UK.

RESULT(S) OF TEST

The test requirements were satisfied for all tests, as stated below.

Thermal Cycling: A visual examination and performance assessment after the test was reported as satisfactory.

Operation at Temperature: Visual examinations and performance assessments during and after the test were reported as satisfactory. The External lights flash rates for all units tested met the test requirements.

Light Tests: The lights met the acceptance criteria for Luminous Intensity and Flash rate.

Reports: Full details of all the tests identified above are fully reported in the associated documents 75937678 Report 01 (Environmental Tests and 75937678 Reports 03 & 04 (Light Tests)

This certificate relates only to the actual item/items tested.

Approved by 
 S Boddison
 Authorised Signatory



Date 19 June 2017