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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 75932845 THC 01 Issue 3

CLIENT'S ORDER NUMBER PC0001574, dated 26.11.2015

INCOMING RELEASE NOTE Not Released

DATE OF RECEIPT 3 December 2015

EQUIPMENT UNDER TEST (EUT) Survivor Location Lights as stated below.

1. Rescue Master 12 V External Liferaft Light
2. Rescue Master 12 V Internal Liferaft Light

SERIAL NUMBERS(S)
 External Lights: 37, 38, 39, 40 (x4 units tested)
 Internal Lights: 43, 44, 45, 46 (x4 units tested)

TEST SPECIFICATION / ISSUE

1. IMO document MSC 70/23/Add.1 Annex 6, clauses 10.1.3 (Thermal Cycling); 10.1.4 (operation in cold air/flash rate); 10.4.9 and 10.4.10 Light Tests.
2. IMO document MSC/Circ.980/Add.1 Annex, Section 4.3.6 (Survival Craft).

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 December 2015 to 27 January 2016

TEST(S) DESCRIPTION Temperature and Light Tests on the Rescue Master 12 V Liferaft Lights

The following tests were required by the specification:

Test	Description	Test Parameters	Operation
1	Thermal Cycling	x10 cycles between -52°C to +65°C 8h at each temperature condition	The units are switched OFF during the test and are examined /operated before and after the test.
2	One Day Life and Flash Test at -52°C.	Stabilise the External and Internal units at -52°C. Maintain the units at -52°C for a minimum period of 12 h.	Switch ON all lights at -52°C. Determine the flash rate of the External lights before and after the test at laboratory ambient conditions and at -52°C.
3	Light Tests	One light is tested for Luminous Intensity & Flash Rate at ambient temperature. Four lights are tested for Chromaticity.	The tests are carried out at the laboratory of OptiConsulting Ltd, Buxton SK17 6UG, UK.

The External and Internal Lights do not include a power supply and this was provided by laboratory power supply units at 12 Vdc.

RESULT(S) OF TEST

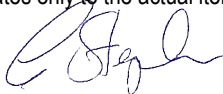
The test requirements were satisfied for all tests, as stated below.

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

One Day Life & Flash Rate: A visual examination and performance assessment after the test was reported as satisfactory. The External lights flash rate of all units was between 62 to 70 flashes per minute at laboratory ambient and at -52°C.

Light Tests: The lights met the acceptance criteria for Luminous Intensity, Chromaticity and Flash rate. OptiConsulting report OC-0576-03 refers.

This certificate relates only to the actual item/items tested. Note: THC01 up-issued to Issue 3 to correct typographic error.

Approved by 
 G M Stephens
 Authorised Signatory



Date 25 February 2016