



NOTIFIED BODY
No 0191

CERTIFICATE OF REGISTRATION

**Marine Equipment Directive (96/98/EC, as amended*1)
Production Quality Assurance - Module D**

QinetiQ (Notified Body 0191) hereby certifies that the manufacturer:-

Registered Office

**McMURDO Ltd
Silver Point
Airport Service Road
Portsmouth, PO3 5PB
United Kingdom**

Maintains and applies a Quality Management and Production Quality Assurance System which has been assessed and audited and found to comply with the requirements of:

**Council Directive 96/98/EC, as amended, Annex B, Modules for conformity assessment,
Production-Quality Assurance (Module D).**

**The attached schedule details the scope of equipment covered by EC Type Examination Certificates
(Module B) and manufactured in conformity with production quality assurance module D.**

Signed:

P J Goddard

Authorised Signatory

Date of Issue:

25th August 2006

Certificate Number:

DQAS-03/01-McM001R7

Start of current Registration *2 : 2nd August 2005

Date of Expiry *3

31st December 2009

Notes:

This certificate authorises the manufacturer in conjunction with a valid EC Type Examination (Module B) Certificate for the equipment listed to affix the "mark of Conformity" (Wheelmark) to that specific equipment.

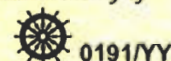
This certificate retains validity provided the manufacturer maintains the approved quality system and any changes or modifications are notified and agreed with QinetiQ.

*2 Earlier arrangements under DERA and QinetiQ provided continuous cover for module D assessment from 1999.

*3 The registration is valid to 31st December in the fourth year, subject to a satisfactory periodic surveillance audits.

QinetiQ
Cody Technology Park
Ively Road, Farnborough
Hampshire. GU14 0LX

*Example of the "Mark of Conformity" to be
affixed under the authority of this certificate*



"YY" Last two digits of year in which the mark is affixed

Sheet 1 of 3

Under the terms of the United Kingdom Statutory Instrument, No 1957 : 1999, the QinetiQ Group PLC (formerly known as DERA) has been Notified to the European Commission by the Maritime and Coastguard Agency as a Body authorised to conduct Conformity Assessment procedures under the provisions of the European Council Directive 96/98/EC, as amended, on Marine Equipment.

Schedule of Equipment

Subjected to EC Type-Examination assessment (Module B) and accepted by the QinetiQ Notified Body for inclusion in this Production Quality Assurance Registration.

Life-Saving Appliances – Annex A1, section 1

Item No. Model No. Description
Float-Free arrangements for Liferafts: (Module B assessment and certification by Lloyd's Register Verification)

A.1/1.16	BreakTHRU (Pt No 57500)	Pyrotechnic Hydrostatic Release with rope strop
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Navigation Equipment – Annex A1, section 4

Item No. Model No. Description
9 GHz SAR Transponder (SART): (Module B assessment and certification by Lloyd's Register Verification)

A.1/4.18	McMurdo S4 RESCUE SART	9GHz SAR Transponder (SART)
A.1/4.18	Sailor SART II	9GHz SAR Transponder (SART)
A.1/4.18	Sailor SART II	9GHz SAR Transponder (SART)
A.1/4.18	RDT S4 RESCUE SART	9GHz SAR Transponder (SART)

Radiocommunications Equipment – Annex A1, section 5

Item No. Model No. Description

Navtex Receivers:

A.1/5.3	ICS, NAV 5 Plus	2/3 channel Navtex Receiver
A.1/5.3	NAV 7	3 channel Navtex Receiver

Emergency Position Indicating Radio Beacon (EPIRB):

A.1/5.6	McMurdo E3	COSPAS-SARSAT 406Mhz EPIRB
A.1/5.6	McMurdo Rescue	COSPAS-SARSAT 406Mhz EPIRB
A.1/5.6	Sailor 406MHz EPIRB	COSPAS-SARSAT 406Mhz EPIRB
A.1/5.6	McMurdo E5	COSPAS-SARSAT 406Mhz EPIRB
A.1/5.6	SIMRAD EP50:AUTO/MAN	COSPAS-SARSAT 406Mhz EPIRB
A.1/5.6	SAILOR SE406-II	COSPAS-SARSAT 406Mhz EPIRB
A.1/5.6	McMurdo G4	COSPAS-SARSAT 406Mhz EPIRB with GPS receiver
A.1/5.6	McMurdo Precision	COSPAS-SARSAT 406Mhz EPIRB with GPS receiver
A.1/5.6	Sailor 406MHz GPS EPIRB	COSPAS-SARSAT 406Mhz EPIRB with GPS receiver
A.1/5.6	McMurdo G5	COSPAS-SARSAT 406Mhz EPIRB with GPS receiver
A.1/5.6	SIMRAD EG50:AUTO/MAN	COSPAS-SARSAT 406Mhz EPIRB with GPS receiver
A.1/5.6	SAILOR SGE406-II	COSPAS-SARSAT 406Mhz EPIRB with GPS receiver

Hydrostatic Release for EPIRB use*2

A.1/5.6 (A.1/1.16)	BreakTHRU (Pt No 57501)	Pyrotechnic Hydrostatic Release with EPIRB fitting kit
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Notes

- *1 All Module B type examinations were conducted by the QinetiQ Notified Body unless otherwise stated.
- *2 This item covers the provision of an A.1/1.16 HRU without rope strop, in a kit with consumable EPIRB housing components.

Additional Items within the product groups shown above, and subjected to successful **QinetiQ** Type Examination (module B) and certification during the period of registration are automatically covered by this registration and will be added to the above list at the next issue of this certificate.

Schedule of Equipment

Subjected to EC Type-Examination assessment (Module B) and accepted by the QinetiQ Notified Body for inclusion in this Production Quality Assurance Registration.

Radiocommunications Equipment – Annex A1, section 5

DSC Watchkeeping Receivers:

A.1/5.2 & A.1/5.15	ICS DSC2	Touch screen controlled modular Class A DSC controller
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MF/HF Transceivers: *3 (Module B assessment and certification by Telefication)

A.1/5.14	ICS Touchcomm TC2	GMDSS VHF/MF/HF/DSC modular Radiotelephone System
A.1/5.14	ICS Touchcomm TC4	GMDSS VHF/MF/HF/DSC modular Radiotelephone System

VHF Transceivers: *3 (Module B assessment and certification by Telefication)

A.1/5.1	ICS Touchcomm TC2	GMDSS VHF/MF/HF/DSC modular Radiotelephone System
A.1/5.1	ICS Touchcomm TC4	GMDSS VHF/MF/HF/DSC modular Radiotelephone System

Portable Survival craft 2-way Radiotelephone – OEM Product*4

A.1/5.17	McMurdo R1 / Rescue	VHF portable 2-way radiotelephone for survival craft
A.1/5.17	McMurdo McM 150	VHF portable 2-way radiotelephone for survival craft
A.1/5.17	McMurdo McM 250	VHF portable 2-way radiotelephone for survival craft

Notes

- *3 McMurdo manufacture an integrated system for ship fitment to match the requirements of IMO sea areas. These Touchcomm (TC) systems incorporate 1 or more Radio Transceivers that have been Type Examined and are subject to Production Conformity Assessment under the Marine Equipment Directive in their own right. The production control of these units are outside of the scope of this registration.
- *4 These products are marketed by McMurdo under their brand names but are produced by Simrad Ltd at their Module D Registered production facility at Margate, Kent, UK. QinetiQ Reference DQAS-04/01-SNL001R.

Schedule of Production Facilities

Sites included in the Production Quality Assurance Registration and identified by the manufacturer as involve in the manufacture, final testing or storage of products identified in the previous schedule.

Production facility

1. **McMURDO Ltd**
Silver Point
Airport Service Road
Portsmouth, PO3 5PB
United Kingdom

Additional Production facility for ICS brand products

2. **OFFSHORE ELECTRONICS Ltd**
Guelles Lane
St. Peters Port
Guernsey
GY1 2RA CI