

Certificate

of

EC Type-examination (Module B)

Certificate N°: 09212005/AA/01

Product Category: A.1/5.17

With respect to Marine Equipment Directive 96/98/EC and the amending Directive 2008/67/EC, Telefication declares that the equipment:

Product description: **GMDSS portable survival craft VHF radiotelephone**
Trademark: **McMurdo**
Family name: **--**
Type designation: **R2 GMDSS**
Serial No: **PP0003**
Software release No: **1.6**

Manufacturer: **Navico UK Ltd**
Address: **Premier Way, Abbey Park**
City: **Romsey SO51 9DH**
Country: **United Kingdom**

complies with the international instruments and test standards as listed in the Annex.

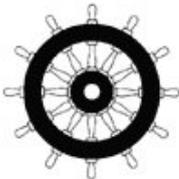
This certificate is granted to:

Name: **McMurdo Limited**
Address: **Silver Point, Airport Service Road**
City: **Portsmouth PO3 5PB**
Country: **United Kingdom**

Validity of this certificate is 5 years; **Expiry date: 08 May 2014**

This certificate has THREE Annexes.

Zevenaar, 19 October 2009



i.o. 

W.B.A. Blom
Managing Director



General conditions

- Each product to which this certificate relates shall be provided with Marine markings.

The Marine marking consist of symbol in the form of a wheel followed by the identification number of the responsible Notified Body for module D, E, F or G, and by the last two digits of the number of the year in which the mark is affixed.

- The holder of this Certificate has drawn up a Declaration of conformity to type with Directive 96/98/EC and amending Directives, declaring that the product(s) described in this EC Type-examination certificate, satisfy the requirements that apply to them.
- Each product shall be identified by means of type, batch and/or serial numbers and the name of the manufacturer and/or importer.
- If the equipment is to be modified, Telefication shall be notified immediately. Depending on the modifications, Telefication may have additional examinations carried out in consultation with the applicant.

Remarks and observations

The following conditions are applicable:

- None.

Documentation lodged for this EC type-examination

Test Reports:

- Hursley EMC Services Ltd.: 09R163 CR, 06 May 2009
- Telefication B.V.: 98520921, 10 September 1999
- Telefication B.V.: 98520933, 10 September 1999

Product Documentation:

- Assembly drawings
- Bill of materials
- Electric diagrams
- Photos
- User manual

International instruments and test standards

The equipment complies with:

- | | | |
|----------------------------|---------------|-----------|
| - EN 300 225 | December 2004 | V1.4.1 |
| - EN 300 828 | March 1998 | V1.1.1 |
| - EN 60945 | October 2002 | Edition 4 |
| - IMO Resolution A.694(17) | 1991 | |
| - MSC Resolution 149(77) | June 2003 | |

Technical features and characteristics

The product includes the following features and characteristics:

VHF equipment:

- Operating frequency range: 155.0 - 163.0 MHz
- Maximum output power: 2.5W / 1W
- Modulation method(s): 16K0G3E
- Channel separation: 25 kHz
- Temperature range: -20°C to +55°C
- Primary Battery: lithium/iron disulfide 3000mAh (typ.); type LTB3 (P/N: 84-210)

Trademarks and Type designations

The product as described in this EC type-examination includes the following type designations:

| | |
|----------------------|--|
| Product description: | GMDSS portable survival craft VHF radiotelephone |
| Type designation: | R2 GMDSS |
| Trademark: | McMurdo |
| Serial No: | PP0003 |
| Software release No: | 1.6 |