



Bundesrepublik Deutschland

Federal Republic of Germany

**BSH-Cert**

Benannte Stelle - Navigations und Funkausrüstung  
beim Bundesamt für Seeschifffahrt und Hydrographie

Notified Body - Navigation and Radiocommunication Equipment  
at the Federal Maritime and Hydrographic Agency



**NOTIFIED  
BODY  
0735**

## EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

BSH-Cert, specified as a "notified body" under the terms of „Schiffssicherheitsgesetz“ of 09 September 1998 (BGBl. I, p. 2860) modified last 07 April 2010 (BGBl. I, p. 399), did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Navigation requirements of Marine Equipment Directive (MED) 96/98/EC and the last modification by Directive 2010/68/EC.

Manufacturer **Ritchie Navigation**  
Address **243 Oak Street, Pembroke, MA 02359, USA**

Applicant **Ritchie Navigation**  
Address **243 Oak Street, Pembroke, MA 02359, USA**

Annex A.1 Item **4.23 Compass for lifeboats and rescue boats**  
(No & item designation)

Product Name **Voyager F-83-WM**

Trade Name(s) **see overleaf**

### Specified Standard(s)

IMO Resolution MSC.48(66)-(LSA-Code) IV, V	ISO 613 Ed.2.0, 2000
	ISO 10316 Ed.1.0, 1990
	ISO 25862 Ed.1.0, 2009

Based on the Directive 2009/26/EC, additional applied version: Directive 2010/68/EC  
This certificate remains valid unless cancelled, expired or revoked.

Date of Re-issue: 02 May 2011

Issued by: BSH-Cert

Expiry date: 01 May 2016

Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany  
Notified body 0735

Certificate No.: **BSH/4612/4231967/11**

This certificate consists of 2 pages.



Kai-Jens Schulz-Reifer



**Components necessary for operation:**

Class B Compass (Voyager) F-83-WM

**Additional designations (Trade Names):**

Minor variants (no technical differences) with additional brand/logo, colour or illumination differences are also recognised under this certification and have the following designations:

F-83-WM	F-83W-WM	B-81-WM	S-87-WM
F-83-C-WM	F-83W-C-WM	B-81-L-WM	S-87-L-WM
F-83-L-WM	F-83W-L-WM	B-81W-WM	S-87W-WM
F-83-M-WM	F-83W-SR-WM	B-81W-L-WM	S-87W-L-WM
F-83-SR-WM	F-83W-SRC-WM		
F-83-SRC-WM			

**Approval Documentation:**

QinetiQ Certificate number QQ-MED-13/05-01  
Cascade TEK certification no. CTC 128

**Places of production:**

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**Limitations on the acceptance or use of the product:**

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**Notes:**

The manufacturer shall inform BSH-Cert, as the notified body, of any modifications to the type-tested product(s) that may affect compliance with the requirements or conditions laid down for use of the product(s).

In case the specified regulations or standards are amended during the validity of this certificate, the product(s) must be re-certified before being placed on board vessels to which such amended regulations or standards apply.

The Mark of Conformity (wheelmark) may only be affixed to the type approved equipment, and a Manufacturer's Declaration of Conformity may only be issued, if the product quality system fully complies with the Marine Equipment Directive and is certified by a notified body against ANNEX B module D, E, or F of the Directive.

**Notice on legal remedies available:**

Objection to this document may be filed within one month after notification. The objection must be filed in writing to, or put on record at, Federal Maritime and Hydrographic Agency, Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany