



# 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 23 January 2014 (BGBl. I, p. 78), 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 2015/559/EU.

Manufacturer **Netwave Systems B.V.**  
Address **Blauw-Roodlaan 100, 2718 SJ Zoetermeer, The Netherlands**

Applicant **Netwave Systems B.V.**  
Address **Blauw-Roodlaan 100, 2718 SJ Zoetermeer, The Netherlands**

Annex A.1 Item (No & item designation) **4.29 Voyage data recorder (VDR)**

Product Name **VDR NW-6000**

Trade Name(s) **NW-6000, NETWAVE VDR NW-6000**

#### Specified Standard(s)

IMO Resolution MSC.333(90)	IEC 61996-1 Ed.1 : 2013
	IEC 60945 Ed.4 : 2002 incl. Corr. 1 : 2008
IMO Resolution A.694(17)	IEC 61162-1 Ed.4 : 2010
	IEC 61162-2 Ed.1 : 1998
IMO Resolution MSC.191(79)	IEC 62288 Ed.2 [Sections 4, 7] : 2014
	IEC 61162-450 Ed.1:2011 (Image Transfer)

Based on the Directive 2013/52/EU, additional applied version: Directive 2015/559/EU  
This certificate remains valid unless cancelled, expired or revoked.

Date of issue: **10. August 2015** Issued by: **BSH-Cert**  
**Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany**  
Expiry date: **9. August 2020** Notified body **0735**

Certificate No.: **4581/001/4292751/15**

USCG-Module-B No.: **165.150/EC0735** Unique Identifier: **4292751**

This certificate consists of 4 pages.



Kai-Jens Schulz-Reifer



**Components necessary for operation:**

See Annex to EC type examination (Module B) certificate 4581/001/4292751/15

**Approval Documentation:**

INSTRUCTION MANUAL Doc: NW-6000-10, Issue 0.11.8, January 2015  
AUTHORITY ACCESS MANUAL Doc: NW-6000-60, Issue 3.0, January 2015  
Installation and Maintenance Manual Doc NW-6000-10, Issue 1.3, June 2015

**Places of production:**

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

The Power Supply is limited to 230 V AC.

**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.

**U.S. Coast Guard Approval**

This product has been assigned a U.S. Coast Guard Module B number (165.xxx/EC0735/Unique Identifier [if other than EC 0735: /Number of the notified body which certifies the quality assurance system]) to note type approval to Module B only as it pertains to obtaining U.S. Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Maritime Equipment" signed February 27<sup>th</sup>, 2004, and additional information given by U.S. Coast Guard by E-Mail 2010.

**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

## ANNEX TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE

**No.: 4581/001/4292751/15**

**Components necessary for operation:**

Designation:	Type designation:
Core Module - Data processor module	NW6000
Bridge Control Unit	NW6010
Microphone - Indoor	NW6020
Microphone – Outdoor	NW6021
Bus Coupler	NW6410
Serial Unit	NW64216
Microphone connection box	NW6022
VHF interface	NW6060
Video interface	NW6044
Hardened Fixed Capsule	NW6860
Float Free Capsule TRON40	NW6880
Underwater Locator Beacon (90 days)	NW4860-695

**Optional components:**

Designation:	Type designation:
Analogue Unit	NW64404
Digital Unit	NW64316

**Approval documentation:**

Item	Test Report No. / Version
Test Report - IEC61162-450 Ed.1 (2011) Bundesamt für Seeschifffahrt und Hydrographie (BSH)	BSH/4543/001/4292938/15
Test Report - IEC61996-1 Ed.2 (2013) Bundesamt für Seeschifffahrt und Hydrographie (BSH)	BSH/4543/001/4292687/13 (2015)
Test Report - IEC60945 Ed.4 (2002) Bundesamt für Seeschifffahrt und Hydrographie (BSH)	BSH/4543/001/4292687/13-1 (2015)
Test Report - IEC62288 Ed.2 [Sections 4, 7] (2014) Bundesamt für Seeschifffahrt und Hydrographie (BSH)	BSH/4543/001/4292687/13-2 (2015)
Thales Environmental tests according IEC60945	9505 332 926XX 001 2014-06-27
Test report - IEC61996-1 Ed.2 [Sections 6.1.13] (2013) Fire test Hardened Fixed capsule	2014-Efectis-R0268
Test Report - IEC61996 Lloyd's Register Hardened Fixed capsule	0606882/1 10.09.2006
Nemko Tron 40VDR EPIRB with attached Voyage Data Recorder.	Report no.: E13261.04 26.06.2014
Assessment report Under Water Beacon: PT9-NINETY Bundesamt für Seeschifffahrt und Hydrographie (BSH)	BSH 4542/002/0062585/13