



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 **C.N.S. Systems AB**
 Address **St. Larsgatan 32 B, 582 24 Linköping, SWEDEN**

Applicant **C.N.S. Systems AB**
 Address **St. Larsgatan 32 B, 582 24 Linköping, SWEDEN**

Annex A.1 Item **4.32 Universal automatic identification system equipment (AIS)**
 (No & item designation)

Product Name **VDL 6000 AIS Class A System**

Trade Name(s) **----**

Specified Standard(s)

IMO Resolution A.694(17)	IEC 61993-2 Ed.1.0, 2001
IMO Resolution MSC.74(69) Annex 3	IEC 61108-1 Ed.2.0, 2003
ITU-R M.1371-3 (Class A), 2007	IEC 60945 Ed.4.0, 2002
ITU-R M.825-3, 1998	IEC 61162-1 Ed.3.0, 2007
ITU-R M.1084-3	IEC 61162-2 Ed.1.0, 1998
	IEC 62288 Ed.1.0, 2008

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: **03 December 2010**

Issued by: **BSH-Cert**

Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany

Expiry date: **20 July 2014**

Notified body 0735

Certificate No.: **BSH/4612/4321870/10**

USCG-Module-B No.: **165.155/EC0735**

Unique Identifier: **4321870**

This certificate consists of 2 pages.



Kai Jens Schulz-Reifer
Kai-Jens Schulz-Reifer



Components necessary for operation:

Component	Part-no.	Remark
VDL 6000 Transponder unit	6000-10-xx	Software version SW-6000-10-2.x
VDL 6000 MKD	6020-10-xx	Software version SW-6020-10-1.x
VDL 6000 Connection unit	6040-20-xx	
VHF Antenna (AC Marine)	CX4	or equivalent
GPS Antenna Procom	GPS-4 TNC	

Optional components:

Component	Part-no.	Remark
Procom combined antenna	AIS 2/GPS-N	Replaces VHF and GPS antenna
With combiner	PRO-DIPX1000/1550N-DC-H	
AC Marine combined antenna	VHF / GPS-1	Replaces VHF and GPS antenna
With Diplexer	M15170	

The internal GPS-sensor of VDL 6000 is used as a backup sensor for position reporting.

Approval Documentation:

Test Report No.: BSH/4612/4321129/09/S3140

Test Report No.: BSH/4612/4321674/10 (IEC 62288)

VDL 6000 Installation and Maintenance CNSS-03-2113

VDL 6000 User's Guide CNSS-03-2114

Places of production:

Limitations on the acceptance or use of the product:

The equipment can be installed only in installations where the main AIS operation is done by other display equipment, RADAR or ECDIS, and the MKD is mainly used for configuration. This excludes installations where AIS operation can be done only using the MKD.

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 27th, 2004. This AIS radio transmitter is required to be authorized by U.S. Federal Communications Commission (FCC).

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