



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 08 April 2008 (BGBl. I, p. 706), 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 2009/26/EC.

Manufacturer **Navico, Inc.**
Address **23868 Hawthorne Blvd., Suite 201, TORRANCE, CA 90505, USA**

Applicant **Navico, Inc.**
Address **23868 Hawthorne Blvd., Suite 201, TORRANCE, CA 90505, USA**

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

Product Name **MX535A**

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
IMO Resolution MSC.112 (73)	IEC 61162-1 Ed.3.0, 2007
IMO Resolution MSC.191(79)	IEC 61162-2 Ed.1.0, 1998
ITU-R M.1371-3 (Class A), 2007	IEC 60945 Ed.4.0, 2002 incl. Corr.1, 2008
ITU-R M.825-3, 1998	IEC 62288 Ed.1.0, 2008
ITU-R M.1084-3, 1998	

Based on the Directive 2009/26/EC

This certificate remains valid unless cancelled, expired or revoked.

Date of issue: **31 May 2010**

Issued by: **BSH-Cert**

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

Expiry date: **30 May 2015**

Notified body 0735

Certificate No.: **BSH/4612/4321390/10**

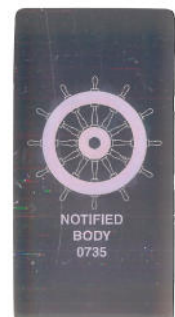
USCG-Module-B No.: **165.155/EC0735**

Unique Identifier: **4321390**

This certificate consists of 2 pages.



Kai-Jens Schulz-Reifer



Components necessary for operation:

Component	Type	Part No.	Remarks
AIS Transponder Unit	MX 535A	000-10037-001	Software release tested: NAU-S111.2.0x
Keyboard and display unit (MKD)	MX 510/512	512-000-0000	Software release: 3.0
GPS Antenna	Marine II	NAU-X6011	
VHF antenna	AC Marine CX4	9525 200 80230	or equivalent

Optional components:

Component	Type	Part No.	Remarks
Keyboard and display unit (MKD)	MX 420	3508 102 70210	Software release: 2.0 This MKD can replace the MX 510/512
GPS Antenna	Globe Antenna	3508 100 94640 or equivalent	This GPS antenna can replace the GPS antenna Marine II

Approval Documentation:

Test Report No.: BSH/4612/4321390/09/S3140

Test Report No.: BSH/4612/4321390/10

Simrad Operator & Installation manual, MX510 and MX512 Navigation Systems
Document no: 510 100 2002 Revision: A Date: March 2009

MX512 Automatic Identification System, Addendum to MX510/MX512 manual
Do. No. 510-100-2002-Addendum 1, April, 2010

MX510/MX512 Quick Reference Guide (P/N 510 100 2003)

MX420 Operators 's Manual (P/N 3508 102 70040), Version 2.0

MX535 UAIS Shipborne Class A Transponder System, Technical & Installation Manual
January, 2005

Places of production:

Limitations on the acceptance or use of the product:

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.

The 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