



# 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 18 May 2011 (BGBl. I, p. 935), 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 2011/75/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 (No & item designation) **4.14 GPS equipment**  
**4.50 DGPS equipment**

Product Name **MX510/MX512 Control and Display – User Interface**

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

#### Specified Standard(s)

IMO Resolution MSC.112(73)	IEC 61108-1 Ed.2.0, 2003
IMO Resolution MSC.114(73)	IEC 61108-4 Ed.1.0, 2004
IMO Resolution A.694(17)	IEC 60945 Ed.4.0, 2002 incl. Corr. 1, 2008
IMO Resolution MSC.191(79)	IEC 61162-1 Ed.4.0, 2010
	IEC 62288 Ed.1.0, 2008

Based on the Directive 2010/68/EC, additional applied version: Directive 2011/75/EC  
This certificate remains valid unless cancelled, expired or revoked.

Date of Re-issue: 27 January 2012

Issued by: BSH-Cert  
Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany  
Notified body 0735

Expiry date: 31 December 2016

Certificate No.: **BSH/4612/4142069/12**

USCG-Module-B No.: **165.130/EC0735** Unique Identifier: **4142069**

This certificate consists of 2 pages.



Kaijens Schulz-Reifer



**Components necessary for operation:**

Component	Type designation	Part No.
Display and user interface unit	MX510 <i>or</i> MX512	P/N 510-000-0000 P/N 512-000-0000
DGPS Receiver <i>or</i> GPS Receiver	MX525A <i>or</i> MX525AG	P/N 727061 P/N 727060
DGPS Sensor <i>or</i> GPS Sensor <i>or</i> DGPS Compass <i>or</i> DGPS Antenna	MX521A <i>or</i> MX521AG <i>or</i> MX575B DGPS Antenna <i>or</i> MX421B-10	P/N 727051 P/N 727050 P/N 000-10280-001 P/N 725374
Combined DGPS/GPS Antenna	MGL-3 <i>or</i> MGL-4 <i>or</i> MXB-5	P/N 721751 P/N 721757 P/N 721755
Application Software	Version 3.0x	

**Approval Documentation:**

Assessment Report No.: BSH/4612/4142069/11/S3301 (IEC 61162-1 Ed.4.0)

Assessment Report No.: BSH/4612/4142069/11-2/S3301 (IEC 61162-1 Ed.4.0 MX421B)

Assessment Report No.: BSH/4612/4141637/10/S3301

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

MX510/MX512 Operation and Installation Manual: 510-100-2002

**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.

**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