



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 March 2012 (BGBl. I, p. 483), 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/EU.

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 **MX575C GPS/DGPS Navigation equipment**

Trade Name(s) **See Annex**

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/EU, additional applied version: Directive 2011/75/EU
This certificate remains valid unless cancelled, expired or revoked.

Date of issue: 06 July 2012

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

Expiry date: 05 July 2017

Certificate No.: BSH/46122/4142265/12

USCG-Module-B No.: 165.130/EC0735 Unique Identifier: 4142265

This certificate consists of 4 pages.

On behalf



Jörn Kallauch



Components necessary for operation:

Component	Type designation	Part No.
GPS Receiver DGPS Receiver	HS80 MX575C	000-10938-001 000-10747-001
User interface unit	MX510 or MX512 or MX420/2 or MX420/8	see Annex of this certificate
Application software	Version 1.512 (QC5)	

Approval Documentation:

Assessment Report No.: BSH/46121/4412249/12-1
 Assessment Report No.: BSH/46121/4142330/12/S3301
 Assessment Report No.: BSH/46121/4412249/12

HS80/MX575C Installation and Operating Manual P/N 988-10221-001
 MX420 Navigation System Operators Manual P/N 3508-102-70040
 MX420 Navigation System Installation and Service Manual P/N 3508-102-70060
 MX510/512 Operation and Installation Manual P/N 500-100-2002

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, 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.: BSH/46122/4142265/12

The equipment is also distributed by the following vendors under the noted trade names:

Vendor	Type designation	Part No.
Navico, Inc. 23868 Hawthorne Blvd., Suite 201, Torrance, CA 90505 USA	HS80	000-10938-001
	MX575C	000-10747-001
	MX510	510-000-0000
	MX512	512-000-0000
	MX420/2 or MX420/8	3508-102-70200 3508-102-70210
Navico Egersund AS Nyåskaien 4370 Egersund Norway	HS80	000-10938-001
	MX575C	000-10747-001
	MX510	510-000-0000
	MX512	512-000-0000
	MX420/2 or MX420/8	3508-102-70200 3508-102-70210

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