



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 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 2012/32/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 **4.14 GPS equipment**
(No & item designation) **4.50 DGPS equipment**
Product Name **MX610 / MX612 / GN70**
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: **01 July 2013**

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

Expiry date: **30 June 2018**

Certificate No.: **4581/001/4142402/13**

USCG-Module-B No.: **165.130/EC0735** Unique Identifier: **4142402**

This certificate consists of 4 pages.



Karl-Heinz Warnstedt
Karl-Heinz Warnstedt



Components necessary for operation:

Component	Type designation	Part No.
GPS Receiver DGPS Receiver	MX525AG MX525A	P/N 727060 P/N 727061
GPS Receiver DGPS Receiver	MX521AG MX521A	P/N 727050 or 000-00042-002 P/N 727051 or 000-00042-003
GPS/DGPS Smart Antenna	MX421B-10	P/N AA010170
GPS Receiver DGPS Receiver	HS80 MX575C	P/N 000-10938-001 P/N 000-10747-001
GPS Software	Version 4.9x	
User interface unit	MX610 MX612 CDU GN70	P/N 000-10914-001 P/N 000-10915-001 P/N 000-10913-001
Junction Box	MX610 MX612 JB	P/N 000-11139-001 P/N 000-10916-001
Application software	Version 1.0.42.2x	

Approval Documentation:

- Test Report : BSH/4543/001/4142549/13-3-S3301
- Test Report : BSH/4543/001/4142549/13-2-S3301
- Medusa AC70 NMEA0183 Receiver test
- EC Module B certificate No.: BSH/4612/4142143/11
- EC Module B certificate No.: BSH/4612/4142144/11
- EC Module B certificate No.: BSH/4612/4142191/12
- EC Module B certificate No.: BSH/46122/412265/12

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.: 4581/001/4142402/13

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	MX610	P/N 000-10914-001
	MX612	P/N 000-10915-001
	GN70	P/N 000-10913-001
	MX610JB MX612JB	P/N 000-11139-001 P/N 000-10916-001
	MX521A	P/N 727050 or 000-00042-002 P/N 727051 or 000-00042-003
	MX525A	P/N 727060 P/N 727061
Navico Egersund AS Nyåskaien 4370 Egersund Norway	MX421B-10	P/N AA010170
	HS80 MX575C	P/N 000-10938-001 P/N 000-10747-001
	MX610	P/N 000-10914-001
	MX612	P/N 000-10915-001
	GN70	P/N/ 000-10913-001
	MX610JB MX612JB	P/N 000-11139-001 P/N/ 000-10916-001
	MX521A	P/N 727050 or 000-00042-002 P/N 727051 or 000-00042-003
	MX525A	P/N 727060 P/N 727061
	MX421B-10	P/N AA010170
	HS80 MX575C	P/N 000-10938-001 P/N 000-10747-001

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