



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) **4.41 Transmitting heading device THD (GNSS method)**

Product Name **MX575C GPS/DGPS Compass**

Trade Name(s) **MX575C DGPS COMPASS, Simrad HS80 GPS Compass**

Specified Standard(s)

| | |
|----------------------------|--|
| IMO Resolution MSC.116(73) | ISO 22090-3 Ed.1.0, 2004 incl. Corr. 1, 2005 |
| IMO Resolution A.694(17) | IEC 60945 Ed.4.0, 2002 incl. Corr. 1, 2008 |
| IMO Resolution MSC.191(79) | IEC 62288 Ed.1.0, 2008 |
| | IEC 61162-1 Ed.4.0, 2010 |
| | IEC 61162-2 Ed.1.0, 1998 |

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**

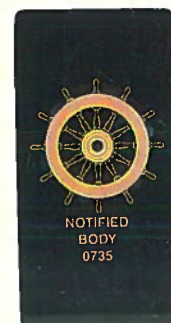
Certificate No.: **BSH/46122/4412249/12**

This certificate consists of 2 pages.



On behalf

Jörn Kallauch



Components necessary for operation:

| Component | Type designation | Part No. |
|----------------------|---------------------|----------------|
| Antenna and receiver | MX575C | 000-10747-001 |
| | HS 80 | 000-10938-001 |
| User interface unit | MX420/2 <i>or</i> | 3508-102-70200 |
| | MX420/8 <i>or</i> | 3508-102-70210 |
| | MX510 <i>or</i> | 510-000-0000 |
| | MX512 | 512-000-0000 |
| Software | Version 1.512 (QC5) | |

Approval Documentation:

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

Assessment Report No.: BSH/46121/4412249/12

Test Report No.: BSH/4612/4412065/12

Assessment Report No.: BSH/4612/4412065/11-2

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/MX512 Operation and Installation Manual

P/N 510-100-2002

Places of production:

Limitations on the acceptance or use of the product:

This equipment is able to provide position data on the serial output.

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.

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