



Bundesrepublik Deutschland

Federal Republic of Germany

Bundesamt für Seeschifffahrt und Hydrographie

Federal Maritime and Hydrographic Agency



BUNDESAMT FÜR
SEESCHIFFFAHRT
UND
HYDROGRAPHIE

EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

Bundesamt für Seeschifffahrt und Hydrographie, specified as a "notified body" under the terms of „Schiffssicherheitsgesetz“ of 9. September 1998 (BGBl. I, p. 2860) modified last 17. Oktober 2005 (BGBl. I, p. 2985), 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 as modified by Directive 2002/75/EC.

Applicant **Brunswick New Technologies Marine Electronics**
 Address **23868 Hawthorne Blvd, Suite 201 Torrance, CA. USA 90505**
and
Ocean Quay (Unit 2), Southampton, SO14 5QY, United Kingdom

Manufacturer **Brunswick New Technologies Marine Electronics**
 Address **23868 Hawthorne Blvd, Suite 201 Torrance, CA. USA 90505**
and
Ocean Quay (Unit 2), Southampton, SO14 5QY, United Kingdom

Annex A.1 Item (No & Item designation) **4.14 GPS Equipment**

Product Name **MX500 Display & Keyboard**

Trade Name(s) **None**

Specified Standard(s)

IMO Resolution MSC.112 (73)	IEC 61108-1	(Global positioning system (GPS) Receiver equipment, Edition 2, 2003)
	IEC 61162-1	(Serial interface, Edition 2, 2000)
	IEC 60945	(Environmental conditions, Edition 4, 2002)

This certificate remains valid unless cancelled, expired or revoked.

Date of issue: **2006-04-15**

Issued by: **Bundesamt für Seeschifffahrt und Hydrographie
Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany
Notified body 0735**

Expiry date: **2011-04-14**

Certificate No.: **BSH/4612/4140292/06**

USCG Approval No.: **165.130/EC0735/4140292**

This certificate consists of 3 pages.



by order

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Components necessary for operation:

Component	Type name	Part No.
DGPS/GPS Receiver/Ant	MX525 / MGL3	P/N 952520081010 / 721751
	MX421B DGPS Antenna	725374 or
	MX521 DGPS Antenna	727010 or
	MX575 DGPS Antenna	350810270700 or
	MX421 GPS Antenna	725373 or
	MX521 GPS Antenna	727027
User interface unit	MX500	P/N 500 000 0000
Application Software	Version 3.0x	

Approval Documentation:

- MX500 Operation Manual : 500-100-2003
- MX500 Installation Manual : 500-100-2004

Limitations on the acceptance or use of the product:

Places of production:

MX525 GPS Receiver & MGL-3 Antenna	CSI Wireless 4110 – 9 th Street SE
MX521 GPS Antenna	Calgary
MX521 DGPS Antenna	Canada
MX575 DGPS Antenna	
MX421 GPS Antenna	Navman
MX421B Antenna	7 - 21 Kawana Street, Northcote PO Box 68 155, Newton Auckland New Zealand
User interface unit MX500	GPC Electronics (New Zealand) Ltd. 10 Sonter Road PO Box 8330 Christchurch New Zealand

Notice on legal remedies available:

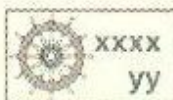
Objection to this document may be filed within one month after notification. The objection must be filed in writing to, or put on record at, Federal Maritime and Hydrographic Agency, Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany

Notes:

The manufacturer shall inform Bundesamt für Seeschifffahrt und Hydrographie, 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.

Example for the Application of the "Mark of Conformity":

xxxx number of the Notified Body responsible for quality surveillance module
yy Last two digits of the year in which the mark is affixed.

U.S. Coast Guard Approval

This product has been assigned a U.S. Coast Guard Module B number (USCG number) 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.

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