



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" in „Schiffssicherheitsanpassungsgesetz“ of 9. September 1998 (BGBl. I, p. 2860) last modified 25. September 2002 (BGBl. I, p. 3762), 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

NautiCast Schiffsnavigationssysteme AG

Address

Mariahilfer Str. 50/2/11
A-1070 Wien, Austria

Manufacturer

NautiCast Schiffsnavigationssysteme AG

Address

Mariahilfer Str. 50/2/11
A-1070 Wien, Austria

Annex A.1 Item
(No & item designation)

4.32 Automatic Identification System (AIS)

Product Name

X-Pack DS

Specified Standard(s)

IMO MSC.74(69) Annex 3	IEC 61993-2 (2002)
ITU-R M.1371-1 (Class A)	IEC 61162-1 (2000), -2 (1998)
IALA Technical Clarifications of Rec. ITU-R M.1371-1 (Edition 1.3)	IEC 60945 (1996)
ITU-R M.825-3	IEC 61108-1 (1996)
ITU-R M.1084-3	

This certificate remains valid unless cancelled, expired or revoked.

Date of issue: 25.03.2003

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

Expiry date : --

Certificate No.: 734.2/0051-1/2003

This certificate consists of 2 pages.

by order



Preuss

Components necessary for operation:

X-Pack DS AIS Transponder unit	Part Number : NAU-A1	Software Version: 2.0x
VHF antenna Glomex	Part Number: NAU-B 610	or equivalent
GPS antenna Marine II	Part Number: NAU-B 601	or equivalent
Connection Box	Part Number: NAU-B 400	

The internal GPS sensor of the X-Pack DS is used as a backup sensor for position reporting.

Documentation:

User Manual: Version 1.0 dated: 2002-12

Installation Manual: Version 1.0.1 dated: 2003-03

Trade Names:

The equipment is also available under the following trade names:

Raytheon Marine RM 808 AIS

Conditions and limitations:

Places of production :

(if different from client or where there are several)

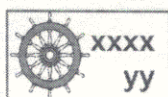
Notes:

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
yy

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

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



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EC QUALITY SYSTEM (MODULE D) CERTIFICATE

Bundesamt für Seeschifffahrt und Hydrographie (Federal Maritime and Hydrographic Agency) as the notified body performing EC conformity assessment procedures in compliance with EC Council Directive 96/98/EC of 20 December 1996 on Marine Equipment, last amended by EC Council Directive 2002/75/EC of 2 September 2002, hereby certifies that the manufacturer

NautiCast Schiffsnavigationssysteme AG
Mariahilfer Straße 50/2/11

1070 Wien
AUSTRIA

maintains and applies a quality system in accordance with the requirements of the Maritime Equipment Directive annex B, module D.

Scope:

A.1/4.32 Universal automatic identification system (AIS)
(Type AIS Transponder X-Pack DS)

Date of issue: 26 Mar 2003

Issued by: Bundesamt für Seeschifffahrt und Hydrographie

Expiry date: 15 Mar 2006

Identification number 0735

Registration no.: BSH-052-03-2003

This certificate consists of 2 pages



by order

Mühlhausen



Places of production (if different from client or where there are several)

Siemens AG Österreich
Siemensstraße 92

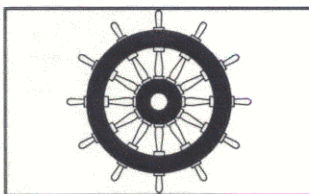
1210 Wien
AUSTRIA

Restrictions:

Notes:

This certificate authorises in conjunction with the EC Type Examination (Module B) Certificate of the equipment listed in the scope to affix the "Mark of Conformity" (wheelmark).

This certificate loses its validity if the manufacturer makes any changes or modifications to the approved quality system, which have not been notified to, and agreed with the notified body named on this certificate and/or after lapse of time, withdrawal or revocation of the EC Type Examination (Module B) Certificate.

"Wheelmark" Format and application:

0735/yy

example

yy Last two digits of the year in which mark is affixed.
0735 Notified Body number undertaking quality surveillance

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