



# 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



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**Components necessary for operation:**

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

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:**

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**Places of production :**

(if different from client or where there are several )

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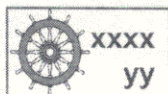
**Notes:**

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