



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 SAM STN Atlas Marine Electronics GmbH

Address Behringstrasse 120
22763 Hamburg, Germany

Manufacturer SAM STN Atlas Marine Electronics GmbH

Address as above

Annex A.1 Item 4.32 Automatic Identification System (AIS)
(No & item designation)

Product Name UAIS DEBEG 3400

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: 10.2.2003

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

Expiry date : --

Certificate No.: 734.2/0059-1/2003

This certificate consists of 3 pages.

by order



Preuss

This certificate is issued under the authority of the „Ministerium für Verkehr, Bau- und Wohnungswesen“.

Components necessary for operation:

UAIS DEBEG 3400 Electronics Unit	NG 3030	software release tested: 1.0x
DCU DEBEG 3401 Display and Control Unit	AZ 3067	software release tested: 1.0x
VHF Antenna or or	CXL 2-1 COMROD AV-7 VHF CX-4	or equivalent
GPS Antenna	1330 FP	or equivalent

The Keyboard and Display (Display and Control Unit DCU DEBEG 3401) as required part of the AIS system may be used together with or alternatively be replaced by an ATLAS navigational display system. The UAIS DEBEG 3400 shall then be connected to and operated together with one of the following ATLAS systems:

RADARPILOT ATLAS 1xxx		software release tested: 2.6x
CHARTRADAR ATLAS 1xxx		software release tested: 2.6x
CHARTPILOT ATLAS 93x0		software release tested: 5.1x
MULTIPILOT ATLAS 910x		software release tested: 5.1x

The UAIS DEBEG 3400 may also be used together with the MX Marine navigation display MX420 AIS (software release tested: 2.0x).

The internal GPS sensor of the DEBEG 3400 is used as a backup sensor for position reporting.

Documentation:

Technical Manual:	Electronics Unit UAIS DEBEG 3400	ED 3047G142	Rev.: – (2002-12)
Technical Manual:	DEBEG 3401 Display and Control Unit	ED 3047G242	Rev.: – (2002-12)
Operating Instruction:	DEBEG 3401 Display and Control Unit	ED 3047G122	Rev.: – (2002-12)
Operating Instruction:	RADARPILOT, CHARTRADAR; MULTIPILOT ATLAS 1000	ED 3038G032	Rev.: 02 (2002-09)
Operating Instruction:	CHARTPILOT ATLAS 93x0,	ED 3032G662	Rev.: 05 (2002-09)
	CONNINGPILOT ATLAS 93x0	ED3032G661	Rev.: 05 (2002-09)
Operating Instruction:	MULTIPILOT ATLAS 910x,	ED 3031G812	Rev.: 05 (2002-09)
	CONNINGPILOT ATLAS 9300	ED3031G811	Rev.: 05 (2002-09)

Trade names:

The equipment is also available under the following trade names:

AIS electronics unit	Keyboard and Display unit
SAILOR UAIS 1900	SAILOR KDU 1905
SKANTI UAIS 2100	SKANTI KDU 2100
Leica MX-531	note 1)

1) for the Leica MX-531 the MX420 AIS (software release tested: 2.0x) is used as Keyboard and Display unit

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

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.

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