



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 19 December 2002 (BGBl. I, p. 4690), 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 **Marine Data Systems (Pty) limited**
 Address **Kyalami Park, 580 Kyalami Boulevard, Midrand, South Africa**

Manufacturer **Marine Data Systems (Pty) limited**
 Address **Kyalami Park, 580 Kyalami Boulevard, Midrand, South Africa**

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

Product Name

Trade Name(s) **see appendix 1**

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: 26.06.2003

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

Expiry date: ---

Certificate No.: **734.2/0045-2/2003**

This certificate consists of 3 pages.



by order

Preuß



Components necessary for operation:

component	Part number	remark
MIV main unit AIMS MIV	1101-0010	Software release tested: 02.0x
Keyboard and Display unit AIMS K1	K1	Software release tested: 2.2x
GPS antenna Furuno	GPA-016	or equivalent
VHF antenna Procom	CXL 2-1	or equivalent

The internal GPS sensor of the MDS MIV AIS is used as a backup sensor for position reporting.

Documentation:

AIMS MIV Technical User Manual	Doc. 1101-0010-AA-00-TM	revision 02
KDU Operator's manual	Doc. 1101-000300MANL	revision 02

Limitations on the acceptance or use of the product:

Places of production:

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.

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

Appendix 1 to Certificate No.: 734.2/0045-2/2003

The equipment is also available under the following trade names:

AIS main unit	Keyboard / Display unit
Sailor UAIS 1800	Sailor KDU 1805
Skanti UAIS 2000	Skanti KDU 2000
SAM DEBEG 3418 AIS	SAM DEBEG 3418 KDU
Litton Sperry UAIS 1800	Litton Sperry KDU 1805
Norcontrol UAIS 1805	Norcontrol KDU 1805
Raytheon UAIS 2000	Raytheon KDU 2000