



Bundesrepublik Deutschland

Federal Republic of Germany

Bundesamt für Seeschifffahrt und Hydrographie

Federal Maritime and Hydrographic Agency



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	L3 Communications, Aviation Recorders
Address	6000 Fruitville Road, Sarasota, FL 34232, USA
Manufacturer	L3 Communications, Aviation Recorders
Address	6000 Fruitville Road, Sarasota, FL 34232, USA
Annex A.1 Item (No & item designation)	4.32 Automatic Identification System (AIS)
Product Name	ProTec AIS
Trade Name(s)	SAMYUNG SIS-3

Specified Standard(s)

IMO MSC.74(69) Annex 3	IEC 61993-2 (2001)
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 (2002)
ITU-R M.825-3	
ITU-R M.1084-3	

This certificate remains valid unless cancelled, expired or revoked.

Date of issue: 06.10.2003

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

Expiry date: ---

Certificate No.: 734.2/0050-1/2003

This certificate consists of 2 pages.



by order

Preuß



Components necessary for operation:

component	part-no.	remark
AIS unit	AIS A1-000-xx where xx is: 00 for L3, 01 for SAMYUNG	Software Version: 1.1x
Terminal Block	2469800177	
VHF antenna	0520017002	or equivalent
GPS antenna	0520027001	or equivalent

Optional Components:

component	part-no.	remark
Junction Box	253-M0312-00	replaces terminal block; in this case the AIS unit is AIS A1-010-xx
Pilot Port cable	024M009900	

Documentation:

ProTec Automatic Identification System – Hardware Installation and Operation Manual –
Temp. Rev. 03 Aug. 15/03

ProTec Automatic Identification System – Alarm and Schematic Package Aug. 15/03

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