



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 31. October 2006 (BGBl. I, p. 2407), 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 **L-3 Communications, Aviation Recorders**
Address **6000 Fruitville Road, Sarasota, FL 34232, USA**
Manufacturer **L-3 Communications, Aviation Recorders**
Address **6000 Fruitville Road Sarasota, FL 34232, USA**
Annex A.1 Item **4.32 Universal automatic identification system equipment (AIS)**
(No & item designation)
Product Name **ProTec AIS**
Trade Name(s) **----**

Specified Standard(s)

IMO Resolution MSC.112 (73)	IEC 61108-1 (2003)
IMO MSC.74 (69) Annex 3	IEC 61162-1 (2000)
ITU-RM.1371-1 (Class A)	IEC 61162-2 (1998)
IALA Technical Clarifications of Rec. ITU-R M.1371-1 (Edition 1.4)	IEC 60945 (2002)
ITU-R M.825-3	IEC 61993-2 (2001)
ITU-R M.1084-3	

This certificate remains valid unless cancelled, expired or revoked.

Date of issue: **2007-03-27**

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

Expiry date: **2012-03-26**

Certificate No.: **BSH/4612/4320357/07**

USCG Approval No.: **165.155/EC0735/4320357**

This certificate consists of 2 pages.



by order

Eckert



Components necessary for operation:

component	part no.	remarks
AIS unit	AISA1-000-10	SW Rev V1.6.xx
GPS antenna	0520027001	or equivalent
VHF antenna	0520017002	or equivalent

Approval Documentation:

ProTec – ATOMATIC IDENTIFICATION SYSTEM
HARDWARE – INSTALLATION AND OPERATION MANUAL
INITIAL ISSUE DEC 01/06

Limitations on the acceptance or use of the product:

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.

U.S. Coast Guard Approval

This product has been assigned a U.S. Coast Guard Module B number (USCG number) to note type approval to Module B only as it pertains to obtaining U.S. Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Maritime Equipment" signed February 27th, 2004. The AIS radio transmitter is required to be authorized by U.S. Federal Communications Commission (FCC).

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