



# Bundesrepublik Deutschland

Federal Republic of Germany

## BSH-Cert

Benannte Stelle - Navigations und Funkausrüstung  
beim Bundesamt für Seeschifffahrt und Hydrographie

Notified Body - Navigation and Radiocommunication Equipment  
at the Federal Maritime and Hydrographic Agency



## EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

BSH-Cert, specified as a "notified body" under the terms of „Schiffssicherheitsgesetz" of 09 September 1998 (BGBl. I, p. 2860) modified last 07 April 2010 (BGBl. I, p. 399), 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 and the last modification by Directive 2010/68/EC.

Manufacturer      L-3 Communications, Aviation Recorders  
Address            100 Cattlemen Road, Sarasota, FL 34232, USA

Applicant           L-3 Communications, Aviation Recorders  
Address            100 Cattlemen Road, Sarasota, FL 34232, USA

Annex A.1 Item    4.32    Universal automatic identification system equipment (AIS)  
(No & item designation)

Product Name      AISA3

Trade Name(s)     PROTEC

### Specified Standard(s)

|                                   |                                            |
|-----------------------------------|--------------------------------------------|
| IMO Resolution A.694(17)          | IEC 61993-2 Ed.1.0, 2001                   |
| IMO Resolution MSC.74(69) Annex 3 | IEC 61108-1 Ed.2.0, 2003                   |
| IMO Resolution MSC.191(79)        | IEC 60945 Ed.4.0, 2002 incl. Corr. 1, 2008 |
| ITU-R M.1371-3 (Class A), 2007    | IEC 61162-1 Ed.4.0, 2010                   |
| ITU-R M.825-3, 1998               | IEC 61162-2 Ed.1.0, 1998                   |
| ITU-R M.1084-3                    | IEC 62288 Ed.1.0, 2008                     |

Based on the Directive 2009/26/EC, additional applied version: Directive 2010/68/EC

This certificate remains valid unless cancelled, expired or revoked.

Date of issue: 02 February 2011

Issued by: BSH-Cert

Expiry date: 01 February 2016

Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany  
Notified body 0735

Certificate No.: BSH/4612/4321723/11

USCG-Module-B No.: 165.155/EC0735      Unique Identifier: 4321723

This certificate consists of 2 pages.



Kai-Jens Schulz-Reifer



Components necessary for operation:

| component   | part no.                                                          | remarks         |
|-------------|-------------------------------------------------------------------|-----------------|
| AIS unit    | AISA3-000-xx                                                      | SW Rev V.3.7.xx |
| GPS antenna | Trimble GPS antenna Part No. 48360-00<br>L-3 Part no.: 0099800019 |                 |
| VHF antenna | L-3 Part no.: 0520017002                                          |                 |

Approval Documentation:

AISA3000-10 Installation and operation manual

Assessment Report No.: BSH/4612/4321723/10-3 (IEC 61993-2)

Test Report No.: BSH/4612/4321723/10-4 (IEC 60945)

Test Report No.: BSH/4612/4321723/10-5 (IEC 62288)

Test Report No.: BSH/4612/4321723/11 (IEC 62993-2)

Places of production:

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Limitations on the acceptance or use of the product:

The MKD is only authorized for use installations where other display equipment, RADAR or ECDIS, is used for AIS contact display.

Notes:

The manufacturer shall inform BSH-Cert, 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 (165.xxx/EC0735/Unique Identifier[if other than EC 0735: /Number of the notified body which certifies the quality assurance system]) 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 27<sup>th</sup>, 2004.

This 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