Bundesrepublik Deutschland
Federal Republic of Germany

Bundesamt für Seeschifffahrt und Hydrographie
Federal Maritime and Hydrographic Agency

BUNDESAMT FÜR SEESCHIFFFAHRT UND HYDROGRAPHIE

STATEMENT OF CONFORMITY

This is to certify that:

Bundesamt für Seeschifffahrt und Hydrographie, as a test laboratory accredited for the test of marine equipment (DAR- registration no. DAT-P-086/98-01), performed the relevant tests for the equipment identified below which was found to be in conformity with the standards as specified below.

Applicant	**L-3 Communications, Aviation Recorders**
Address	**6000 Fruitville Road, Sarasota, FL 34232, United States**
Manufacturer	L-3 Communications, Aviation Recorders
Address	6000 Fruitville Road, Sarasota, FL 34232, United States
Equipment type	**AIS Base Station**
Product Name	**ProTec AIS** AISM0-104-00 **ProTec AIS** AISM0-205-02
Trade Name(s)	----

Specified Standards

IEC 62320-1 Ed.1 (2007)
ITU-R M.1371-1 (as far as relevant for AIS base station)
IALA Technical Clarifications of Rec. ITU-R M.1371-1 (Edition 1.4)
IEC 61162-1 (2000), -2 (1998)
IEC 61108-1 (2003)

This statement remains valid unless cancelled, expired or revoked.

Date of issue: **2008-02-27**

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

Statement No.: **BSH/46162/4320838/08**

This statement consists of 2 pages.

Siegel

on behalf

Preuss

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

Components necessary for operation:

component	Part number	Serial number	remark
AIS base station	AISM0-100-00	000442028	Tested with software version: 1.6.14
Trimble GPS antenna	41555-00	25920058	Or equivalent

Optional or alternative components:

component	Part number	Serial number	remark
NAIS base station	AISM0-205-02		This is an alternative version of the base station unit, see note.

Note:
The NAIS base station has a modified radio hardware.:

- The sensitivity is increased to –115 dBm which is in compliance with the IEC 62320-1.
- The IEC 62320-1 §9.2.3 allows a nominal carrier power setting which is different to the default values of 2 W (low power) and 12.5 W (high power). For the NAIS base station the nominal carrier power is set to 25 W (low power) and 50 W (high power). The NAIS base station has been tested for these values.

Documentation:

ProTec Automatic identification system	165M0460-00	Revision 1
Base station Installation manual		October 01/04

Limitations on the acceptance or use of the product:

The product is not intended for use with 12.5 kHz channel spacing and bandwidth and therefore 12.5 kHz operation has not been tested.

Remark:

The product has also successfully been tested for conformity with the draft IEC 62320-100 PAS (February 2007).

Test report:

This statement of conformity is based on the test reports:

- BSH test report BSH/46162/4320086/07
- AIS version: Green Mountain Electromagnetics, Inc. (GME) type certification test report , Document No. ENV 169 (Radio tests)
- NAIS version: Green Mountain Electromagnetics, Inc. (GME) type certification test report , Document No. ENV 179 (Radio tests)

Notes:

The manufacturer should inform Bundesamt für Seeschifffahrt und Hydrographie (BSH) 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).

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