



Bundesrepublik Deutschland
Federal Republic of Germany

Bundesamt für Seeschifffahrt und Hydrographie
Federal Maritime and Hydrographic Agency



BUNDESAMT FÜR
SEESCHIFFFAHRT
UND
HYDROGRAPHIE

Conformance test report of an

AIS system

Equipment under test: **L-3**

Type: **Inland AIS**

Applying test standards: CCNR Test standard for Inland AIS

Test Report No.: BSH/46162/4320860/08

Applicant: L-3 Communications Aviation recorders

6000 Fruitville road
Sarasota, FL 34232
USA

Hamburg, 11 July 2008
Federal Maritime and
Hydrographic Agency

by order

Bartels
Test engineer

by order

Preuss
head of
laboratory

Federal Maritime and Hydrographic Agency
Bernhard-Nocht-Str. 78

D-20359 Hamburg
Germany

nach DIN EN 17025
akkreditiertes Prüflaboratorium



DAT-P-086/98-01



Translation

Deutsche Akkreditierungsstelle Technik (DATEch) e.V.
Signatory of the Multilateral Agreement of EA and ILAC for the mutual recognition

represented in the

Deutschen Akkreditierungsrat



Akkreditierung

The German Accreditation Body Technology (DATEch) e.V. confirms that the
Testing Laboratory

**Federal Maritime and Hydrographic Agency
Department Shipping
Laboratory for Type Approvals
Bernhard-Nocht-Straße 78
20359 Hamburg**

is competent under the terms of DIN EN ISO/IEC 17025 to carry out testing in the fields

**Marine Equipment (Navigation Equipment, Radio-Communication
Equipment, Life-Saving Appliances)**

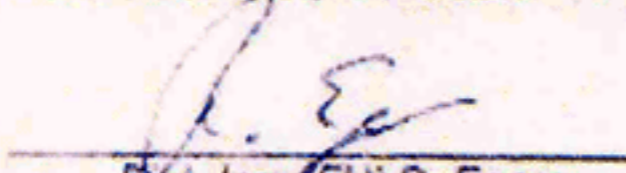
according to the annexed list of standards and specifications.

The accreditation is valid until: **December 22nd, 2008**

The annex is deemed part of this certificate and comprises **8** pages.

DAR-Registration No.: **DAT-P-086/98-01**

Frankfurt/Main, November 11th, 2004


Dipl.-Ing. (FH) R. Egnier
Head of the Accreditation Body

Member in EA, ILAC, IAF

Translation for information purposes only. The German Accreditation Certificate is authoritative.

Not online certified

General

Applicant: L-3 Communications Aviation recorders
6000 Fruitville road, Sarasota, FL 34232, USA

Equipment under test:

Type: Inland AIS
Manufacturer: L-3 Communications Aviation recorders
6000 Fruitville road, Sarasota, FL 34232, USA
Place of test: BSH test laboratory Hamburg, Room 916
Start of test: 18th March 2008
End of test: 11th July, 2008

Test standards¹:

CCNR Test standard for Inland AIS

Inland AIS Shipborne Equipment
According to the Vessel Tracking and Tracing Standard for Inland Navigation
Operational and performance requirements, Methods of testing and required test results
Ed. 1.0 31.5.2007

CCNR

**Vessel Tracking and Tracing Standard
for Inland Navigation**

Edition 1.01 10.10.2007

Technical Guidelines on Inland AIS

Technical Clarifications on
- Vessel Tracking and Tracing Standard for Inland Navigation: Edition 1.01 and
- Inland AIS Test Standard; Edition 1.0
Edition 1.0
21 May 2008

IEC 61162-1/ -2

Maritime navigation and radiocommunication equipment and systems Digital Interfaces
Part 1: single talker and multiple listeners (2000)
Part 2: single talker and multiple listeners, high speed transmission (1998)

¹ Numbers listed in the titles of the test sections of this report refer to the respective sections of IEC 61993-2 if not stated otherwise.