Konformitätsbestätigung

Statement of Conformity No.

Nr. BSH/46162/4322192/12

Die nautische Ausrüstung
The nautical equipment

AIS AtoN station

mit der Typbezeichnung
with the type designation

Informer V10-1, Informer V10-3

des Herstellers
manufactured by

Tideland Signal Corp.
4310 Directors Row
Houston
TX 77092
USA

ist nach den folgenden Normen/Standards, soweit für diesen Ausrüstungsgegenstand anwendbar, erfolgreich geprüft worden.
has been tested successfully according to the following standards as applicable for this equipment:

Norm/Standard	Prüfnorm/Test Standard
ITU-R M.1371-4 (as far as relevant for an AtoN)	IEC 62320-2 Ed.1 (2008)
	IEC 61108-1 (2003)
	IEC 60945 Ed.4 (2002)
	IEC 61162-1 Ed. 4 (2010)

Dem Antragsteller wie oben / *as above*
It is hereby confirmed to the applicant

wird die Eignung für den nachstehenden Verwendungszweck bestätigt:
that the equipment is suitable for use as:

AIS AtoN station

Hamburg, 26.01.2012

Im Auftrag
By order

Dienstsiegel
Official seal

Ralf-Dieter Preuß

1. Bestandteile der Ausrüstung
Components of the equipment

1.1 Bestandteile, die zum Betrieb erforderlich sind
Components necessary for operation

Component	Type or part number	Remarks
AIS AtoN	Informer V10-1 Informer V10-3	Software version which has been used for the testing: AtoN-1.4.6.1
GPS antenna	AMEC	or equivalent
VHF antenna	---	

1.2 Zusätzliche Optionen / Anlagenkombinationen
Additional options / combinations of the equipment

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2. Bemerkungen
Remarks

The AES encryption function of the configuration via VDL link has not been tested. This is not in the scope of BSH testing. The configuration via VDL has been tested unencrypted.

The AMEC GPS antenna has been tested for EMC (section 9 and 10 of IEC 60945) but not for the environmental requirements of section 8 of IEC 60945.

3. Dokumentation
Documentation

AIS AtoN Transponder
PA Master-301 / -303
Operating manual

Composition of the AIS AtoN station

AtoN station name: **Informer V10-1, Informer V10-3**

Type of AIS AtoN Station
☒ Type 1 ☐ Type 2 ☒ Type 3

Configuration method
☒ Standard PI sentences ☐ Proprietary manufacturer sentences

☒ AIS Standard VDL messages ☒ AES encryption of VDL message

☐ Control receiver

Positioning device
☒ EPFS and surveyed position ☐ Surveyed position only

☐ Differential mode with received message 17

Transmission
☐ Single channel transmission ☒ Tx message 21 for synthetic/ virtual AtoN

Transmit power: 2 / 5 / 12.5 W (software configurable)

Access mode msg 21
☒ FATDMA ☒ RATDMA (type 3 only)

Access mode other messages
☒ FATDMA ☒ RATDMA (type 3 only) ☐ CSTDMA (type 3 only)

Syncronisation:
☒ Indirect UTC (type 3 only) ☐ Semaphore station (type 3 only)

Chaining: ☒ chaining implemented (type 2 and 3 only)

Implemented alternatives

See IEC 62320-2, Table 2

Option	For AtoN type	Implemented	Remark
Tx of message 6	1, 2, 3	V	Monitoring of AtoN lantern, power supply, etc
Tx of message 7	3	V	Ackn. of message 6
Tx of message 8	1, 2, 3	V	Meteorological and hydrological data
Tx of message 12	1, 2, 3	V	Warn AtoN malfunctioning
Tx of message 13	3	V	Ackn. of message 12
Tx of message 14	1, 2, 3	V	Warn AtoN malfunctioning
Tx of message 25	1, 2, 3	V	Status report

External Interfaces: RS-232