**AMERICAN BUREAU OF SHIPPING  
CHECK SHEET ON SOLAS SURVEYS – “AIS” RADIO TECHNICIAN’S SURVEY**

(ORIGINAL TO BE RETAINED ONBOARD BY VESSEL’S MASTER)

VESSEL       CLASS NO.

Associated REPORT NO.       DATE

**AUTOMATIC IDENTIFICATION SYSTEM (AIS) Test Report**

**Ship’s details:**

CALL SIGN       MMSI NUMBER

PORT OF REGISTRY

IMO NUMBER       GROSS TONNAGE

DATE KEEL LAID       OFFICIAL NUMBER

**Inspection Details**

NAME OF RADIO TECHNICIAN       COMPANY

INSPECTION DATE       INSPECTION LOCATION

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| --- | --- | --- |
| 1. Installation details | | |
|  | Item | Status |
| 1.1 | AIS transponder type: |  |
| 1.2 | Type approval certificate |  |
| 1.3 | Initial installation configuration report on board? |  |
| 1.4 | Drawings provided? (Antenna-, AIS-arrangement and block diagram) |  |
| 1.5 | Main source of electrical power, |  |
| 1.6 | Emergency source of electrical power, |  |
| 1.7 | Capacity to be verified if the AIS is connected to a battery |  |
| 1.8 | Pilot plug near pilots operating position? |  |
| 1.9 | 120 V AC provided near pilot plug? (Panama and St. Lawrence requirement) |  |

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| 1. AIS programming - Static information | | |
| 2.1 | MMSI number |  |
| 2.2 | IMO number |  |
| 2.3 | Radio call sign |  |
| 2.4 | Name of ship |  |
| 2.5 | Type of ship |  |
| 2.6 | Ship length and beam |  |
| 2.7 | Location of GPS antenna |  |

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| 1. AIS programming - Dynamic information | | |
| 3.1 | Ships position with accuracy and integrity status (Source: GNSS) |  |
| 3.2 | Time in UTC (Source: GNSS) |  |
| 3.3 | Course over ground (COG) (will fluctuate at dockside) (Source GNSS) |  |
| 3.4 | Speed over ground (SOG) (zero at dockside) (Source: GNSS) |  |
| 3.5 | Heading (Source: Gyro) |  |
| 3.6 | Navigational status |  |
| 3.7 | Rate of turn, where available (ROT) |  |
| 3.8 | Angle of heel, pitch and roll, where available |  |

VESSEL       CLASS NO.

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| 1. AIS programming - voyage related information | | |
| 4.1 | Ships draught |  |
| 4.2 | Type of cargo |  |
| 4.3 | Destination and ETA (at masters discretion) |  |
| 4.4 | Route plan (optional) |  |
| 4.5 | Short safety-related messages |  |

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| 1. Performance test using measuring instrument | | |
| 5.1 | Frequency measurements AIS ch. 1 and 2, GMDSS ch. 70 |  |
| 5.2 | Transmitting output, AIS ch. 1 and 2, GMDSS ch. 70 |  |
| 5.3 | Polling information ch. 70 |  |
| 5.4 | Read data from AIS |  |
| 5.5 | Send data to AIS |  |
| 5.6 | Check AIS response to "virtual vessels" |  |

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| 1. "On air" performance test | | |
| 6.1 | Check reception performance |  |
| 6.2 | Confirm reception of own signal from other ship/VTS |  |
| 6.3 | Polling by VTS/shore installation |  |

**Electromagnetic interference from AIS observed to other installations?**:

**Radio Technician's Remarks**:

The AIS has been tested according to IMO SN/Circ.227 and resolution MSC.74(69), annex 3

Radio Technician's Signature

Radio Technician’s Printed Name

Company

Place and Date