



Checklist for the installation or commissioning of an Artemis Mk5 mobile

Rev 1.0

Checklist with explanation for installing an Artemis mk5 mobile station at a shuttle tanker

Introduction

This document consists of checklists when installing or commissioning an Artemis mk5 mobile station. Normally at a tanker. It can be used as a guideline besides Kongsberg Maritime procedures.

Chapter 1 consists of Antenna unit checks

Chapter 2 consists of computer checks on which the Artemis software (HMI) runs.

Chapter 3 consists of checks HMI mobile setup.



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1 Antenna unit checklist

| | check | Description |
|---|--|--|
| 1 | Serial number of antenna unit and scanner correct for proper adjustment. | Each unit must be fitted with an antenna which is calibrated to the unit. At the Antenna unit and antenna it is marked which serial number antenna unit belongs to which serial number antenna. |
| 2 | Antenna installed correctly | The antenna can only be mounted at the antenna unit in one position. The red marker at the antenna should be matched with the red marker at the antenna unit |
| 3 | Snap locks closed | All three snap locks of the antenna unit are closed properly and secured by a cable tie or bolt and nut. See engineer note EN5-15 for more details |
| 4 | Signal and power cable | <p>Correct power and signal cable are used.</p> <p>There is enough slack, so the unit can tilt and not too much force at the sockets/connectors occur.</p> <p>The size of the used cables does not exceed resulting it does not fit properly in the connector.</p> |
| 5 | Operate panel socket closed | The operate panel socket is closed by the cap |
| 6 | Vent screw is closed | The vent screw is closed |
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2 Computer checklist

| | check | Description |
|---|--|---|
| 1 | Computer is mounted correctly | Computer is "sea environmental proof" mounted. |
| 2 | Firewall switch off | Firewall and windows automatic updates are switched off |
| 3 | IP address | IP address is set to 192.168.44.201 (also when RS422 serial communication is used!!) |
| 4 | Port numbering Bluestorm serial pcb | The port numbering of the Bluestorm card is corresponding with the com ports. (port1=com1, port2=com2, port3=com3 etc) when the computer has a fixed com1 already the com numbering starts at 2 (port1=com2, port2=com3, port3=com4 etc.) |
| 5 | Language setting | Language setting correct for hmi ("," As decimal separator) |
| 6 | Display resolution | Display resolution of monitor set to correct value for hmi (complete screen filled) |
| 7 | Correct version hmi | Correct version hmi installed (currently 1.9.5) |
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| | | |

3 HMI and mobile setup

| | check | description |
|----|----------------------|---|
| 1 | Communication | There is communication with the unit. The correct com port is selected for the RS422 communication. |
| 2 | Monitor values | The monitor page of the control panel shows correct voltages |
| 3 | Auto recovery | Auto recovery is ticked (enable) in the advanced tab of the setup AU page |
| 4 | Mobile | Unit is configured as mobile |
| 5 | Alignment | Align scanner. (bow=0 degrees) |
| 6 | Scan sector | Scan sector are set (for example Left 270, right 090) Test if scanner is rotating in correct sector when auto search is selected. |
| 7 | DP communication | DP communication is set correctly. (To test the Artemis could be switched into simulation mode) |
| 8 | BLOM communication | BLOM communication is set correctly. (To test the Artemis could be switched into simulation mode) |
| 9 | Actual frequency | When a frequency is selected the actual frequency matched the selected (+/- 1.5 MHz) |
| 10 | Physical scan limits | Physical scan limit Left and right are set to 0. (Always!) |
| 11 | Reboot | Reboot PC. The settings should be stored |