

SAILOR® 6120 MINI-C SSAS

COBHAM

New generation Inmarsat mini-C SSAS solution

2013 Product Sheet

The most important thing we build is trust

The SAILOR 6120 mini-C SSAS builds on the successful legacy of the SAILOR TT-3000SSA System, which since its introduction in 2004 has proven its worth in real world incidents, time and time again.

Like its predecessor, the SAILOR 6120 mini-C SSAS is based around a self-contained and sealed Inmarsat mini-C terminal, housing both antenna and transceiver. This design approach has proven to be rugged and reliable regardless of vessel type and with the terminal's 50 channel GPS module and omni-directional antenna, satellite fix and position are ensured even under the most adverse conditions.

SSAS Regulation

The SAILOR 6120 mini-C SSAS fully meets and exceeds the requirements listed in IMO MSC. 136(76) and MSC. 144(77) under SOLAS resolution XI-2/6. This stipulates that all vessels over 500 GT are required to be fitted with a Ship Security Alert System (SSAS) to be used under pirate attacks to notify the flag state administration. Alarms are silent, meaning that there is no audio or visual indication on the vessel that an alarm has been activated.

SAILOR 6120 mini-C SSAS Features

The multiple address functionality enables additional messages to be sent directly to, e.g. the vessel owner, operator or crew family, in addition to the required flag state and ship owner message in relation to the ISPS code. It is possible to have 6 separate entries with up to 128 characters. Re-configuration can be done remotely or by a SAILOR technician, and has been made simpler, requiring no crew interaction. New configurations may be required when changing flag, where the SSAS alert address stored in the terminal needs to

be updated. The Thrane 6194 Terminal Control Unit (TCU), is the key connection point to the system and brings new functionality to ease operation. The TCU has a range of LEDs that allow operators to quickly determine Inmarsat, GPS and program status. They are all useful features if the SAILOR 6120 mini-C SSAS is also used as Long Range Identification and Tracking (LRIT) carrier. The TCU allows for up to 6 SSAS buttons to be connected and monitored separately.

Easy Upgrade & Installation

Upgrading from a SAILOR TT-3000SSA has been made easy as existing SSAS alert and test buttons can be simply connected

to the TCU instead of the legacy inter-connection box. The SAILOR 6120 mini-C SSAS comes complete with all cables and connectors, making it ready to go out of the box. The standard connection cable to the mini-C terminal is 30M long, but can be extended up 200M.

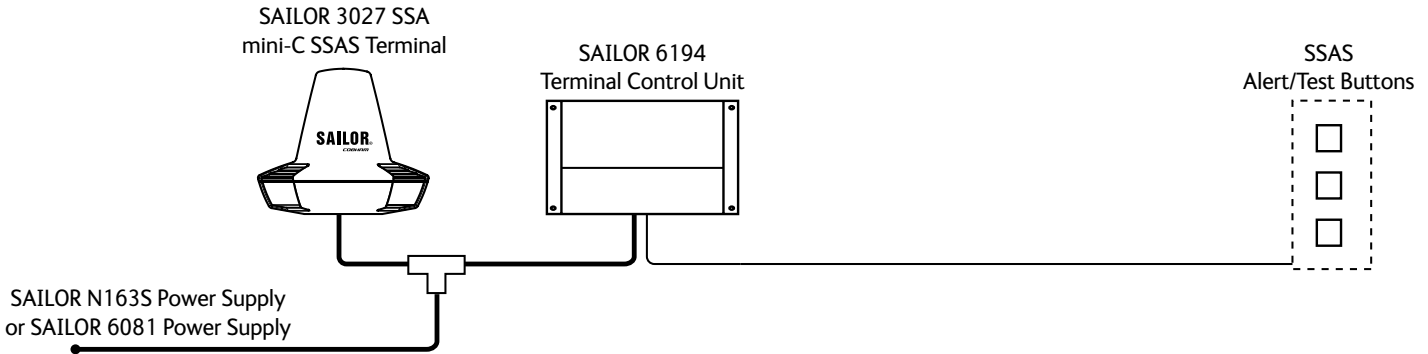
Approvals and Certification

The SAILOR 6120 mini-C SSAS is approved by Inmarsat and all major classification societies and national flag state administrators where required. In addition to its primary function as SSA alert carrier the SAILOR 6120 mini-C SSAS can also function as a LRIT.



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GENERAL

| | |
|------------------------|--|
| General specifications | Meets Inmarsat maritime specifications and SOLAS Resolution XI-2/6 |
| Inmarsat Type Approval | 4TT095 |

TERMINAL UNIT SPECIFICATIONS

| | |
|-----------------------|--|
| Operating frequencies | Rx Frequency Band: Rx: 1525 - 1545 MHz Tx Frequency Band: Tx: 1626.5 - 1646.5 MHz |
| GPS module | 50 channel |
| Terminal interface | NMEA2K DeviceNet Mini-style, Male |

ANTENNA UNIT SPECIFICATIONS

| | |
|-------------------|----------------------------|
| G/T | -23.7 dBk at 5° elevation |
| EIRP | Min. 7 dBW at 5° elevation |
| Antenna elevation | -15° to 90° |

POWER SPECIFICATIONS

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|-----------------------------|--|
| Absolute power supply range | 10.5 - 32 VDC |
| Nominal power input | 15 VDC |
| Power consumption (typical) | Rx: 1.85 W @ 15 VDC Tx: 22 W @ 15 VDC |

TERMINAL CONTROL UNIT SPECIFICATIONS

| | |
|-------------------|---|
| Interface options | CAN interface NMEA2K mini RS-232 LAN interface RJ45 |
|-------------------|---|

SHIP SECURITY ALERT SPECIFICATIONS

| | |
|-----------|---|
| Interface | 2 x SSAS alert buttons with 50 m cable 1 x Test button with 50 m cable Up to 6 alert buttons can be connected and 1 test button |
|-----------|---|

DIMENSIONS AND WEIGHT

| | |
|-----------------------|---|
| mini-C Terminal | Diameter: 170.5 mm Height: 145 mm (without pole mount) Weight: 1,1 Kg |
| Terminal Control Unit | 239 mm x 172 mm x 54 mm Weight: 0,8 Kg |

COMPARISON CHART

| | SAILOR 6110 mini-C | SAILOR 6120 mini-C | SAILOR 6130 mini-C | SAILOR 6140 mini-C | SAILOR 6150 mini-C |
|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| GMDSS | X | | | | |
| SSAS | X | X | | | |
| LRIT | X | X | X | | |
| SafetyNET | X | | X | X | X |
| Non-SOLAS Distress | | | | | X |
| Tracking | X | X | X | X | X |

ThraneLINK

ThraneLINK is a sophisticated communication protocol that connects the SAILOR products in a network, offering important new opportunities to vessels. It provides facility for remote diagnostics and enables access to all the SAILOR products from a single point for service. This results in optimized maintenance and lower cost of ownership because less time is needed for troubleshooting and service. Installation is made easier as ThraneLINK automatically identifies new products in the system. The uniform protocol is an open standard which provides a future proof solution for all vessels.

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