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 seperate 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 usefull 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 seperatly.

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 interconnection 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.
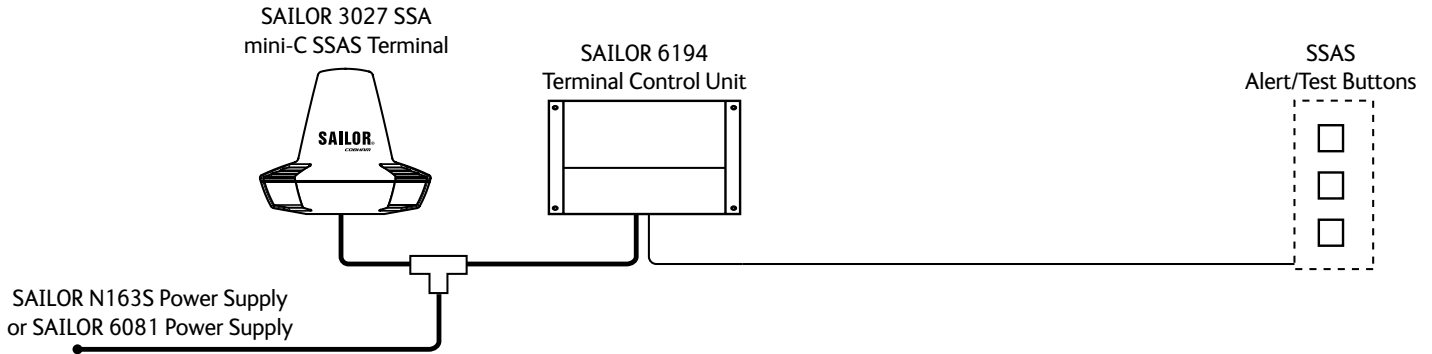
Approvals and Certification

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.

SAILOR® 6120 MINI-C SSAS

New generation Inmarsat mini-C SSAS solution

COBHAM

SAILOR 3027 SSA
mini-C SSAS Terminal

SAILOR 6194
Terminal Control Unit

SSAS
Alert/Test Buttons

SAILOR N163S Power Supply
or SAILOR 6081 Power Supply

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

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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