

# Understanding new 2023 GMDSS regulations - and how to remain SOLAS compliant

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***COBHAM SATCOM***

# Cobham Satcom

Leading maritime innovation since 1953

**With 70 years of maritime experience, we continue to enable seamless and safe communication anywhere, anytime on any device at sea**



# SAILOR®



# Sea Tel



# GMDSS

Global Maritime Distress and Safety System



GMDSS is the International Radio Safety system under SOLAS



GMDSS implementation started in 1992



GMDSS defines the mandatory requirements for ships communication and alarming – defined by where the ship is navigating

# GMDSS

Global Maritime Distress and Safety System



A ship must always be able to contact a GMDSS coastal station – no matter where it is



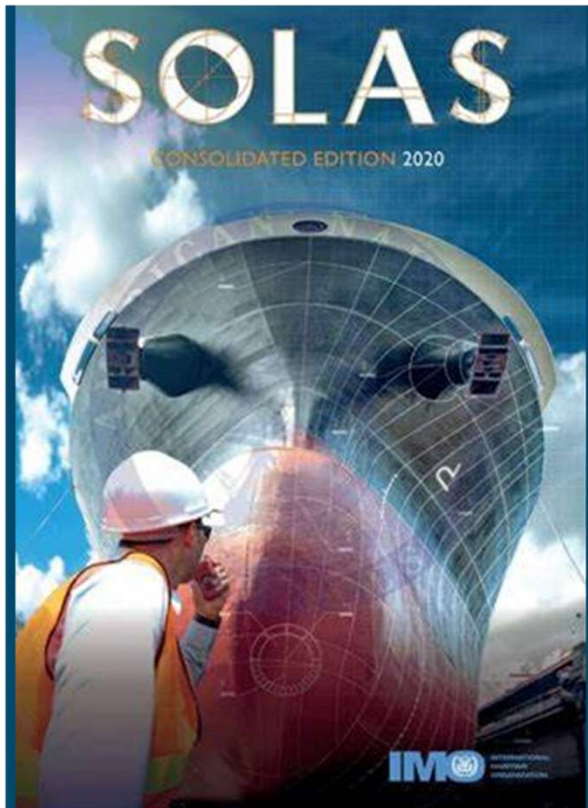
No ship must sink without automatically transmitting a distress alarm

# Radio, Safety & Tracking – Full GMDSS offering



# Changes to SOLAS General Section

Chapter IV – From January 1, 2024



## Regulation 7 Radio equipment general

- New definitions of Sea areas
  - Sea Area A1 covered by coast station with VHF voice and DSC (no Change)
  - Sea Area A2 covered by coast station with MF voice and DSC (no Change)
  - Sea Area A3 covered by a **recognized mobile-satellite communication service**
  - Sea Area A4 outside the other areas

# Next Generation GMDSS – What will happen?

We are innovating for the future

## Inmarsat C GMDSS – one of more options

New Inmarsat solution approved for GMDSS

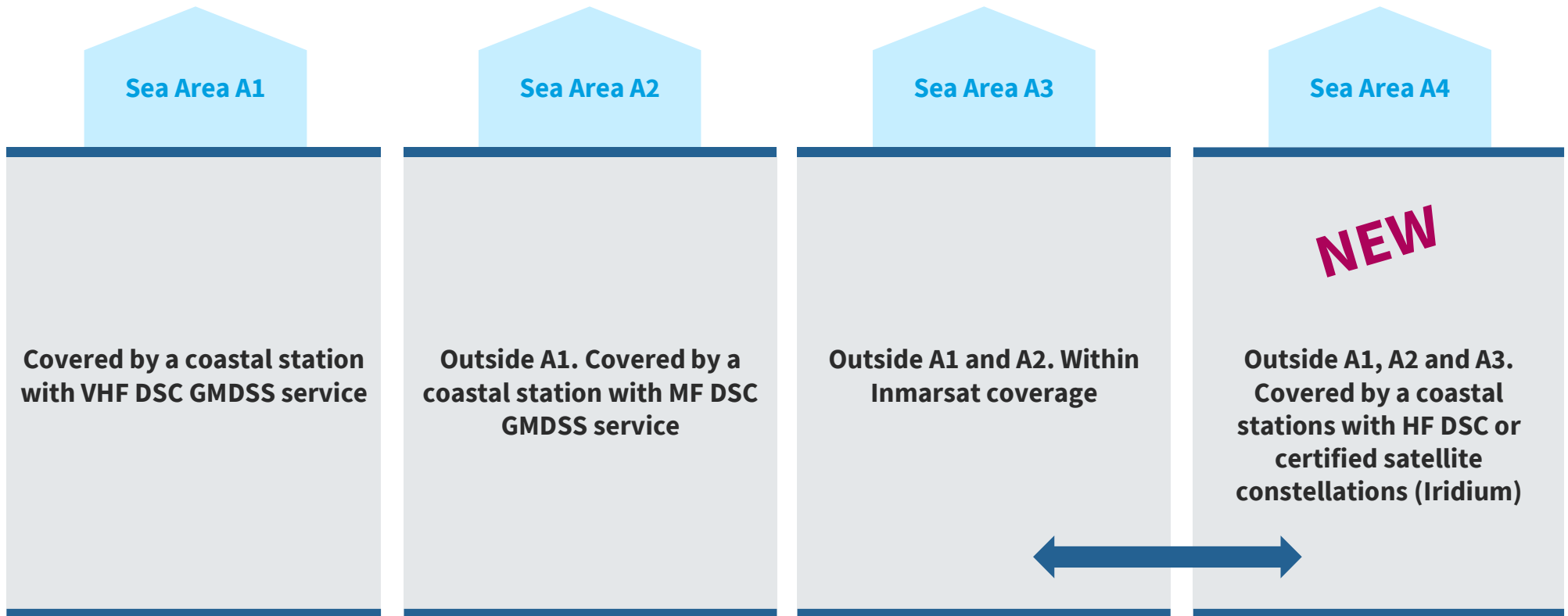
Iridium approved for GMDSS



# Added flexibility within GMDSS

Sea Areas – From January 1, 2024

The mandatory equipment on board follows the Sea Areas





# GMDSS

## Sea Areas

The mandatory equipment on board follows the Sea Areas

Sea Area A1

Covered by a coastal station with VHF DSC GMDSS service

Sea Area A2

Outside A1. Covered by a coastal station with MF DSC GMDSS service

Sea Area A3

Outside A1 and A2. Within Inmarsat (Inmarsat-C) coverage

Sea Area A4

Outside A1, A2 and A3. Covered by a coastal stations with HF DSC and Radio telex GMDSS service

# GMDSS package

Product/Sea area	Sea Area A1	Sea Area A2	Sea Area A3 TLX/Inm-C	Sea Area A3 Inm-C/In-C	Sea Area A4
Portable VHF	2/3	2/3	2/3	2/3	2/3
VHF DSC Class A	2	2	2	2	2
MF/HF		1 (MF)	1	1 (MF)	2
MF/HF Radio Telex			1		2
Inm-C			1	2	1*
NAVTEX	1	1	1	1	1
EPIRB SART	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2

1 All ships over 300 GRT in international trade, and for most nations Fishing vessels above 24 m

\* Local variations may apply

# OMNI Terminals



# User Terminals Products and Configurations

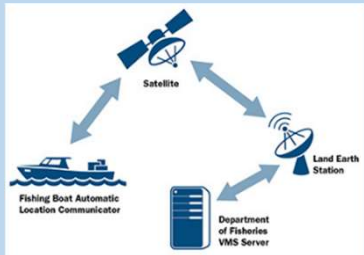
General Purpose

Global Maritime Distress and Safety System

Vessel Monitoring System



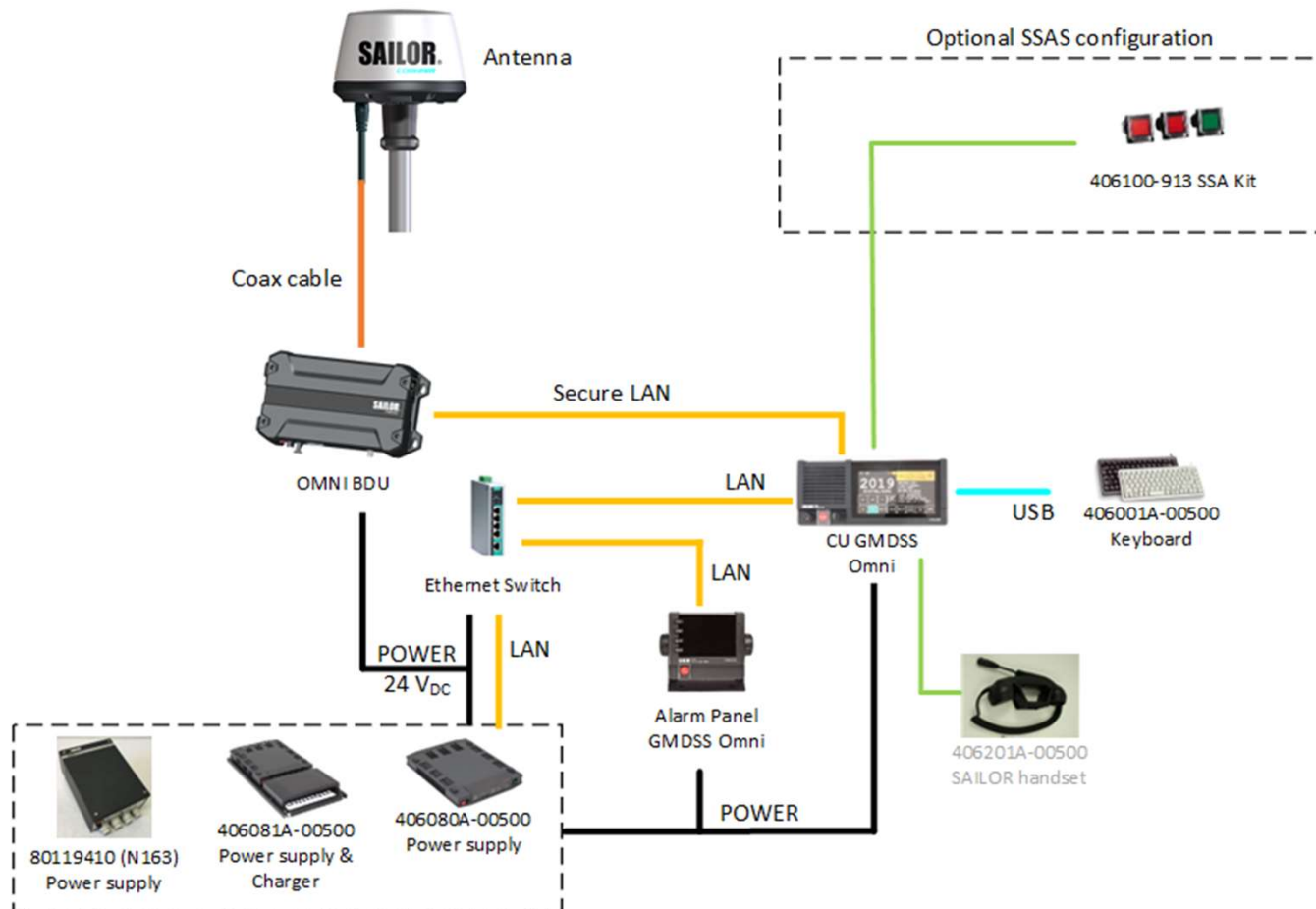
3<sup>rd</sup> party provider



Services:  
 Voice and Data (up to 150 Kbps)  
 Fleet Safety, LRIT and SSAS via  
 Maritime Safety Terminal

# GMDSS

LRIT, SSAS



# SAILOR Radio & GMDSS Products

Only provider to offer full GMDSS package incl Fleet-C and Iridium GMDSS



## Full SAILOR SOLAS/ GMDSS offering



SAILOR System 6000 MF/HF



SAILOR 6280 AIS System



SAILOR 639x Navtex



SAILOR 6080/81 Power Supply



SAILOR 6249 VHF Survival Craft



SAILOR 6110 Mini-C



SAILOR GMDSS Console



SAILOR 6080/81 Power Supply



SAILOR 4065 EPIRB



SAILOR 5052 AIS SART



SAILOR 7222 VHF DSC  
Class A GMDSS



## SAILOR Work Tool offering



SAILOR 6248 VHF



SAILOR SP35XX Portable VHF/UHF  
(Incl. ATEX)



SAILOR 6210 VHF



# Modernized GMDSS

Sea Area A3 SAILOR solutions

Cobham Satcom will continue to offer full GMDSS solutions including the new Satellite constellations going forward



**Thank you!**



***COBHAM***  
***SATCOM***  
Connecting the future