Iridium GMDSS – An Improved, Truly Global Solution

NOW! Mariners have a Choice for a Feature-Rich, GLOBAL Safety & Security System at Sea!

What's Changed? **Increased COVERAGE • Enhanced CAPABILITY • COST Effective**

GMDSS Comparison: Iridium® vs. Inmarsat

iridium

	Iridium Certus® GMDSS	Iridium GMDSS	Inmarsat-C GMDSS
GMDSS/ LRIT/ SSAS in One Terminal	Yes	Yes	Some
Coverage	Sea Area A1-A4	Sea Area A1-A4	Sea Area A1-A3
Distress Alerting	Yes	Yes	Yes
Distress Voice (Automated)	Yes	Yes	NO
Maritime Safety Information (MSI) Broadcast	Yes	Yes	Yes
Automatic MSI Rebroadcast	Yes	Yes	NO
Voice Calls: Medical Advice/Assist & to Report Dangers	Yes	Yes	NO
Starlink & VSAT Backup Services	Yes	NO	NO
Business Data	Yes	Limited	NO
Voice Calling	Yes, Up to 3 Lines	Yes	NO
Manufacturers	COBHAM, Intellian, LARS Thrane, THALES	LARS Thrane communication systems	COBHAM, FURUNO, JRC



LT-4100S & 4200S (Shown) & LT-3100S



C100M, C200M & C700



Cobham SAILOR 7200

GMDSS is a set of protocols, equipment, & communication systems (satellite & radio) mandated by the IMO in the 1990's to ensure no matter where a ship is in distress, aid can be dispatched. The Safety of Life at Sea (SOLAS) Convention requires ships over 300 gross tons carry specified GMDSS equipment, to send & receive distress & safety communications.*

For decades, Inmarsat was the only approved GMDSS satellite service provider, albeit technology advances & increased vessels at sea. Iridium & partners persistently worked with regulatory & rescue entities, while perfecting their services & products.

In a 2018 watershed announcement, the IMO's Maritime Safety Committee's Resolution MSC.451(99) recognized Iridium as a GMDSS satellite service provider, followed by the approval of Lars Thrane LT-3100S Iridium GMDSS Terminal. Q3 2024 Iridium Certus® approved for GMDSS Service, coupled with announcement of GMDSS Certus® terminals by Lars Thrane, Intellian, Thales & Cobham Satcom.

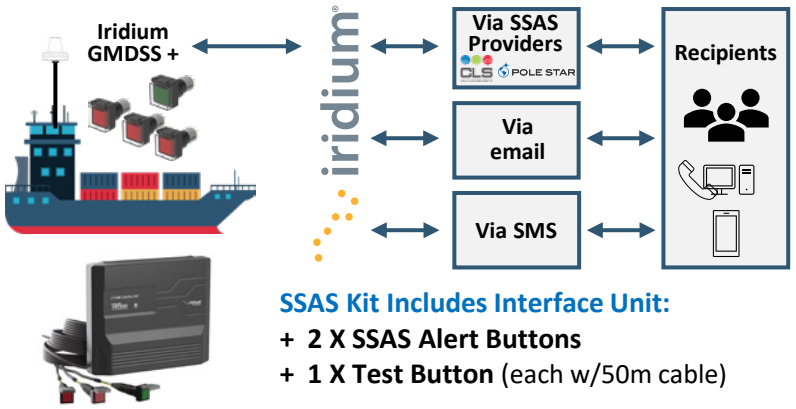
iridium

Mackay Marine Electronics & Satellite Communications
www.mackaymarine.com

* Paraphrased from Iridium GMDSS FACTS documents; Grid adapted from Lars Thrane & Iridium presentation.

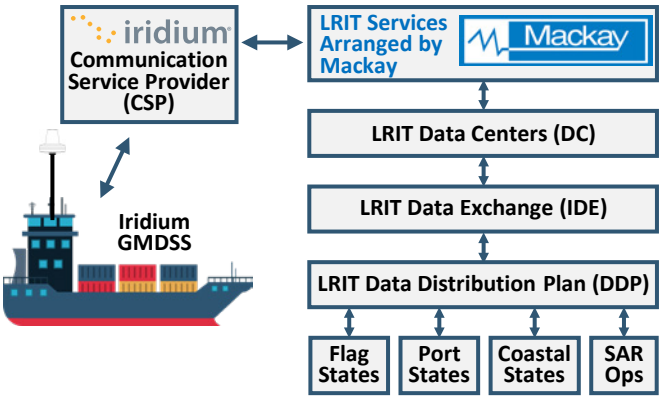
Iridium GMDSS System – Additional Features & Configurations

SSAS for Iridium GMDSS



SSAS Kit Includes Interface Unit:
+ 2 X SSAS Alert Buttons
+ 1 X Test Button (each w/50m cable)

LRIT for Iridium GMDSS



BONUS IRIDIUM GMDSS FEATURES

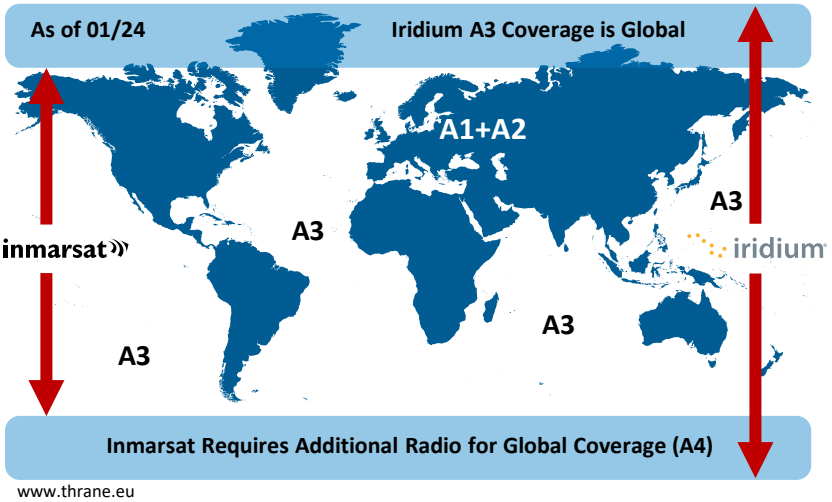
LAN Port & Interface Connect to vessel networks
- Access enables MSI, SMS, email, data (Certus®) & web interface
- Connect multiple voice devices (SIP)

SINGLE COAX Cable Installation (Extended)

- **Iridium's certified GLOBAL GMDSS Service is available via a compact integrated cost-effective terminal.**
- **Provides SOLAS & non-SOLAS vessels with reliable access to critical life-saving services and assured Safety Voice connection + added communication features.**

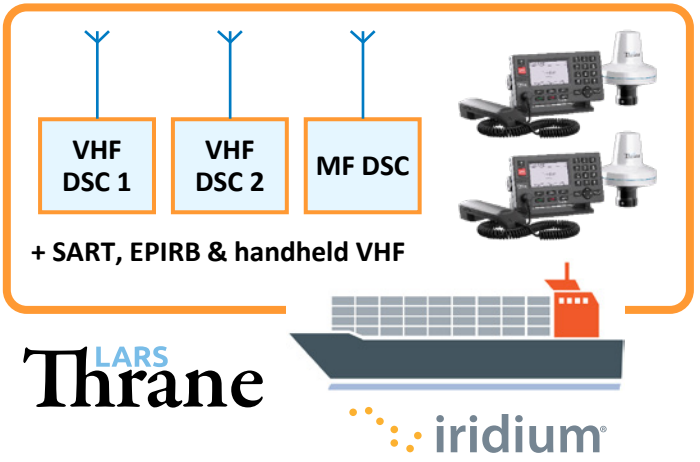
MSC.496(105) IMO GMDSS Resolution Effective January 2024

- **Sea Area 3** (ex. A1+A2) "recognized satellite service provider"; (**A4** exists ONLY w/ Sat-C use)
- **A3: MF Radio** (DSC/Voice) **or HF Radio** (DSC); if Sat-C **(A4)** Requires 2nd MF/HF
- **NO Printer** if have Display Screen & Memory



www.thrane.eu

100% Global Iridium GMDSS A1-3 Solution



SOLAS Approved OPTIONS for GMDSS Configuration for Vessels > 300 GWT:
2 X Inmarsat C or 2 X Iridium GMDSS, or 1 each Inmarsat C & Iridium GMDSS

Contact Mackay for GMDSS System Details, Installation/Service, Activation, LRIT, SSAS, Voice, & Data Services: marinesales@mackaymarine.com**
+1 919 850 3100

rev A4 7/26.2

Mackay
Marine Electronics & Satellite Communications
www.mackaymarine.com

** To-Date, 70+ Mackay Technicians are Iridium GMDSS Certified