MARLINK
ABOVE AND BEYOND

IRIDIUM GMDSS

Iridium® Global Maritime Distress & Safety System– bringing truly global coverage to maritime safety

For the first time, an alternative GMDSS service is available, bringing competition and truly global coverage to mariners sailing any of the world's oceans.

All Iridium Connected® GMDSS terminals will come standard with all three satellite GMDSS services: **Distress Alert, Safety Voice**, and **Maritime Safety Information (MSI)**.

Unlike existing competitive options, Iridium Connected GMDSS terminals will initiate both **Distress Alert** and **Safety Voice** simply and quickly with the press of just **one button**.

The unique Iridium system is designed to work in **extreme conditions** at sea. It connects with 66 cross-linked satellites in Low-Earth Orbit, providing reliable coverage even in adverse weather around **the entire globe**, including over the Arctic and Antarctic waters in Sea Area A4. This area is considered among the most dangerous places on Earth but has not been served with a satellite GMDSS solution before today.

The initial Iridium Connected GMDSS terminal, the **LT-3100S** developed by Lars Thrane, supplies all three satellite GMDSS services in one compact terminal, at a reduced, **more affordable** cost, that will allow more vessels to install GMDSS terminals and access life-saving services.

Key Benefits

• **Truly global coverage**: including polar regions

• **Price competitive:** with no monthly fee for safety service

• **Simplicity**: no accounting authority, no printer required, directly call or message RCCs, direct dial for medical assistance or advice

• **Versatile:** as well as its safety functions, use the service for voice calling, to send emails and for tracking

The Marlink Difference

• Package with Marlink's digital solutions to get the most out of your investment, including **SkyFile Mail** for **optimised & secure email & SMS** over satcom, **cost control** solutions, secure and **redundant connectivity** options, and **24/7 support**

• Benefit from Marlink's **extensive experience** as the largest Inmarsat C traffic generator, making us **world leaders in GMDSS** provision

Iridium GMDSS Services:

Distress Alert	Safety Voice
Activated by the press of a button, distress alerting sends basic, but critical data to a Rescue Coordination Center. • ID • Status • Position	Crews can connect to an RCC and other maritime authorities through a phone call over the Iridium network to share additional details about the distress situation. • Priority Calling • Hydrographic Reporting (Navigational Dangers) • Medical Advice and Assistance
Maritime Safety Information (MSI)	**Other Features**
MSI is transmitted through an Enhanced Group Call (EGC) service called Iridium SafetyCast^{SM}. • Navigational • Meteorological • Safety-Related	• Distress Alert Relay • Shore-to-Ship Distress Calling • Maritime Assistance • Standard Maritime Calling & Messaging • LRIT • SSAS

Equipment

Lars Thrane LT-3100S

The Iridium Connected® GMDSS device developed by Lars Thrane will integrate all three satellite GMDSS services at what is expected to be a fraction of the existing cost of competitive options for all three safety services, and it will be the first solution to offer truly global GMDSS services.

Lars Thrane LT3140S

Furthermore, it is optional to connect a GMDSS printer. The Control Unit fulfills all the GMDSS requirements, which means no need for an additional terminal displaying Maritime Safety Information (MSI).

Key Functions

The LT-3110S Main Control Unit supports:
- Voice, SMS, Data, and Vessel tracking
- 2.4 Kbps and 9.6 Kbps compressed data
- Programmable softkeys for e.g. Emergency Service
- Single antenna cable solution (up to 500 m)
- High-performance GNSS/GPS receiver
- High quality microphone, speaker, and equalizer for improved audio performance
- Large 4.3" TFT display supporting day and night modes
- Voice prompt audio feedback
- Firewall and user authentication for high level of security

Optional

The LT-3140S Interface Unit supports:
- GMDSS Alarm Panels
- GMDSS Printer
- SSAS alarm & test buttons
- ECDIS
- Bridge Alert Management (BAM)
- Connectivity for Maintenance PC

Find out more

To learn more about Iridium GMDSS and Marlink's connectivity portfolio, visit marlink.com/satellite-services/ or contact us.