

## 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
<p>Activated by the press of a button, distress alerting sends basic, but critical data to a Rescue Coordination Center (RCC).</p> <ul style="list-style-type: none"> <li>▶ ID</li> <li>▶ Status</li> <li>▶ Position</li> </ul>	<p>Connect to an RCC and other maritime authorities through a phone call over the Iridium network to share additional details about the distress situation.</p> <ul style="list-style-type: none"> <li>▶ High Priority Calling</li> <li>▶ Hydrographic Reporting (Navigational Dangers)</li> <li>▶ Medical Advice and Assistance</li> </ul>
Maritime Safety Information (MSI)	Other Features
<p>MSI is transmitted through an Enhanced Group Call (EGC) service called Iridium SafetyCast<sup>SM</sup>.</p> <ul style="list-style-type: none"> <li>▶ Navigational</li> <li>▶ Meteorological</li> <li>▶ Safety-Related</li> </ul>	<ul style="list-style-type: none"> <li>▶ Distress Alert Relay</li> <li>▶ Shore-to-Ship Distress Calling</li> <li>▶ Maritime Assistance</li> <li>▶ Standard Maritime Calling &amp; Messaging</li> </ul>

## Equipment



Lars Thrane LT-3100S 1

Iridium GMDSS services with improved Search & Rescue functionalities will initially be available through a single, small-form-factor maritime terminal. The Iridium Connected<sup>®</sup> 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.

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). The existing Iridium Certus<sup>™</sup> maritime terminals, Cobham SAILOR 4300 and Thales VesseLINK, are GMDSS-compatible. These terminals will require supplemental below deck hardware from their manufacturers to enable Iridium GMDSS services.



### Marlink Service Desk

EMEA: +33 (0)1 70 48 98 98 Americas: +1 (310) 616 5594 +1 855 769 39 59 (toll free) Asia Pacific: +65 64 29 83 11  
Email: [servicedesk@marlink.com](mailto:servicedesk@marlink.com) [www.marlink.com](http://www.marlink.com)

## Key functions

- 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
- Webserver for configuration and maintenance
- Support external LAN Wi-Fi Access Points
- Support external SIP PABX and SIP handsets
- Connectivity of Smartphones, Softphones, and Apps

## Find out more

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