

Iridium® Global Maritime Distress & Safety System (GMDSS)

Worldwide IMO-certified Safety Communications

The sea can be a dangerous place for your fleet and crew. Iridium GMDSS is the most advanced mariner safety service in the market. It encompasses a set of protocols, equipment, and communications systems designed to ensure that if a ship is in distress, aid can be dispatched from anywhere in the world. International Maritime Organization (IMO) certified, Iridium GMDSS offers the first truly global pole to pole GMDSS coverage to mariners sailing any of the world's oceans.

Customer Benefits

CAPABILITY: All Iridium Connected® GMDSS terminals come with a standard functionality for all three satellite GMDSS services: Distress Alert, Safety Voice, and Maritime Safety Information (MSI). Iridium Connected GMDSS terminals will initiate both Distress Alert and Safety Voice simply and quickly with the press of just one button.

COVERAGE: The Iridium network of 66 cross-linked Low Earth Orbit (LEO) satellites is designed to work in extreme conditions at sea, providing reliable coverage even in adverse weather around the entire globe, including over Arctic and Antarctic waters in Sea Area A4.



Combine GMDSS services with corporate and crew connectivity via Speedcast's global mobility network, for ubiquitous communications to meet all your fleet needs.

COMPREHENSIVE: All terminals provide global voice and data over Iridium's global satellite network and the ability to utilize Iridium's services.

COST: The initial Iridium Connected GMDSS terminal developed by Lars Thrane (LT-3100S) is expected to supply all three satellite GMDSS services at a much lower cost than other equipment available in the market.

SERVICE: Already available on legacy Iridium services, including voice, SMS and 2.4Kbps data with pole-to-pole coverage. The LT-3100S is the first connected GMDSS terminal to offer integrated voice and SMS services in a single terminal.

To learn more about Iridium GMDSS service, visit www.Speedcast.com/Iridium-GMDSS or email info@Speedcast.com

Iridium GMDSS Services

DISTRESS ALERT: Activated by the press of a button, distress alerting sends basic, but critical data to a Rescue Coordination Center (RCC).

SAFETY VOICE: Connect to an RCC and other maritime authorities through a phone call over the Iridium network to share additional details about the distress situation.

MARITIME SAFETY INFORMATION (MSI): Navigational, meteorological and safety-related information transmitted through an Enhanced Group Call (EGC) service called Iridium SafetyCastSM.

SHIP SECURITY ALERT SYSTEM (SSAS): A safety measure used for ship security, particularly in relation to acts of piracy and terrorism, SSAS is a silent ship security alarm system which, when activated, will send an alert to the ship's owner or an SSAS management third party.

LONG RANGE IDENTIFICATION AND TRACKING (LRIT): Facilitates the global identification and tracking of ships by transmitting their identity, position and report date and time every six hours.

OTHER FEATURES: Distress alert relay, shore-to-ship distress calling, maritime assistance and standard maritime calling and messaging.

Speedcast Advantages

- Strategic partner for Iridium GMDSS with trained engineers ready for deployment.
- Single point of contact from design, integration and installation of shipboard networks.
- Connectivity beyond MSS for complete connectivity, with VSAT available through a global network of more than 95 satellites and 35 teleports.
- Access to Value-added services including people and asset tracking, crew welfare, IoT solutions, SpeedMail+ and direct connection with cloud service providers.
- 24/7 helpdesk and 240 experienced Field Engineers available for support.

Equipment

Iridium GMDSS services with improved Search and Rescue functionalities will initially be available through Lars Thrane's single, small-form-factor maritime terminal the LT-3100S.

Iridium Certus GMDSS solutions are expected to become available in the future.



DESIGN WITH SERVICE PROVIDERS IN MIND

Simplify billing and service management with Speedcast's next generation billing platform, specifically designed for the needs of the satellite communications industry.

