



# Iridium GMDSS

## Service Updates

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**Q3 2021**

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# Agenda

- GMDSS Market Roll-Out
- Progress on MSI
- New RCCs
- LT-3100S GMDSS Safety System - Updates & SSAS
- Marketing & Training Resources
- SAR Development



# Market Roll-Out

## Merchant

- Going well, all types, geographies and flags.
- SSAS now added to LT-3100S meaning the worlds first truly global SSAS solution.
- LRIT coming soon.
- A number of shipping companies rolling out across fleets.
- Looking into ECDIS/Plotter integration for this and other markets.





# Market Roll-Out

## Fishing

- Mainly northern vessels such as U.S./Alaska, Norway, Denmark, Sweden, Iceland & Faeroe Islands (far north).
- The main dual-terminal vessels.
- Interest found in combining GMDSS with VMS (Vessel Monitoring System) & E-Log regulatory applications.
- Good fit for one of the world's most dangerous occupations







# Market Roll-Out

## Leisure

- Good adoption on Yachts
- Great interest from non-SOLAS smaller leisure boats
- Really like “free safety” combined with value voice/SMS bundle option and no monthly fee option
- Impressed by numerous features of Iridium GMDSS/LT-3100S: 3C’s





# Iridium Connected<sup>®</sup> Equipment Provides All Three GMDSS Functions in One, Small Terminal



## Distress Alert

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Critical data including **ID, Status, and Position** are sent to an RCC at the press of a button



## Safety Voice

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Upon distress alert, a **call is automatically initiated** at highest priority to RCC to share additional details



## Maritime Safety Information (MSI)

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Navigational, Meteorological, and other safety information is broadcast through **Iridium SafetyCast<sup>SM</sup>**

**EXCLUSIVE TO IRIDIUM**



## THE THREE C's

# Iridium GMDSS Key Advantages



## Coverage

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The first and **only truly global** system. Provides coverage over Arctic and Antarctic areas (Sea Area A4) not previously served.



## Capability

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Voice and data in **one terminal**. Provides efficient, comprehensive gathering of information by RCC to enable faster SAR response.



## Cost

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**Lower cost** equipment vs current equipment with more GMDSS and commercial services



# MSI Status

- Iridium SafetyCast<sup>SM</sup> is truly global and operational.
- Some coastal states responsible for sending out MSI for specific areas are refusing to send information to Iridium.
- States are quoting cost or no clear direction from IMO as reasons for not sending information.
  - Iridium has been providing MSI broadcast for free and when we do charge for MSI it will be a fraction of the traditional cost.
  - IMO through various bodies has been very clear about the requirement for all MSI Providers to send all information to all GMDSS Providers
- Currently maritime safety is at risk due to the refusal of these states to supply MSI as required – Clear Action Required



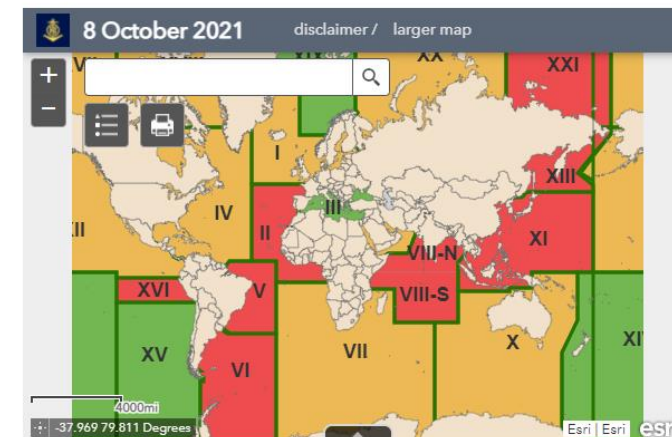


# Iridium MSI Connected Status

- Status on MSI activities various, depending on source/website
- Registration of MSI status is unclear

Status on Operational/Trial	METAREAs	NAVAREAs
Iridium (connected)	18	17
IHO	14	16
IMO	8	9

METAREAs



NAVAREAs



**VAST MAJORITY OF MSI PROVIDERS ARE NOW CONNECTED AND SENDING MSI**



# Status of MSI

- Iridium has been working with MSI Providers since 2018 (3.5 years).
- MSI Providers can use 4 different interfaces (two were traditional).
- Iridium MSI is significantly better than the legacy service (Expiry and Confirmation)
- No cost till 2022 (under review).
- Current Status
  - Red = Not sending any MSI
  - Yellow = Sending some MSI (Testing)
  - Green = Sending normal levels of MSI

NAVAREA	METAREA
NAV-2-FR	MET-2-FR
NAV-3-SP	MET-5-BR
NAV-5-BR	MET-8-IN - N
NAV-6-AR	MET-8-IN - S
NAV-10-AU	MET-11-JP
NAV-13-RU	MET-4-US
NAV-11-JP	MET-16-PE
NAV-20-RU	MET-9-PA
NAV-19-NO	MET-19-NO
NAV-1-UK	MET-1-UK
NAV-17-CA	MET-7-SA
NAV-14-NZ	MET-6-AR
NAV-9-PA	MET-13-RU
NAV-16-PE	MET-11-CH
NAV-8-IN	MET-3-GR
NAV-7-SA	MET-15-CL
NAV-15-CL	MET-14-NZ
NAV-4-US	MET-10-AUS
	MET-17-CA



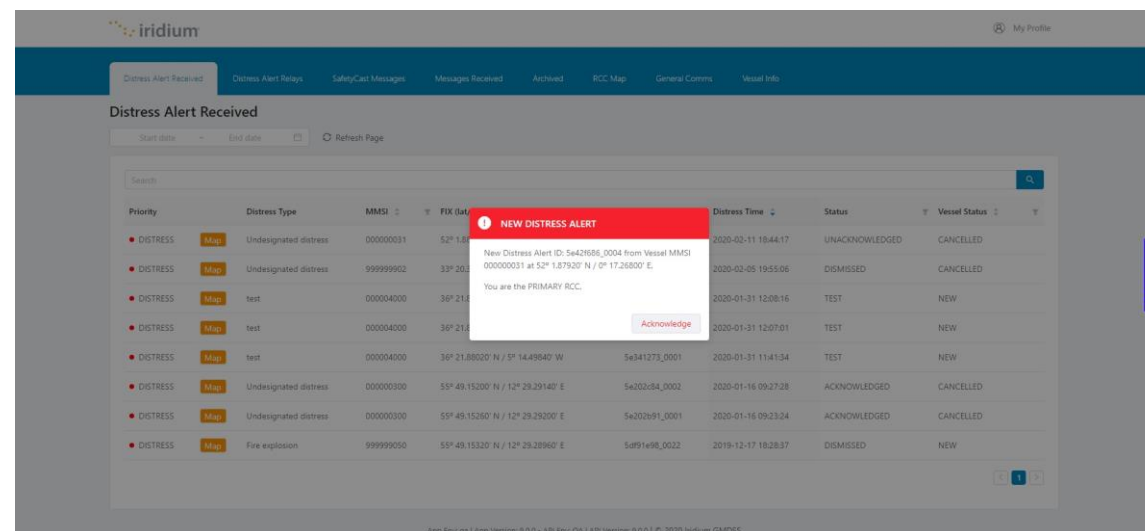
# Progress on MSI

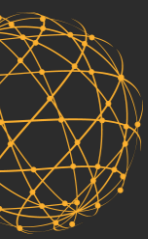
- Iridium GMDSS is the only truly global EGC
- It is currently free and when charging occurs it will be very low compared to traditional charges
- Most MSI Providers are connected to Iridium
- A handful are refusing to make any progress
- Many sending operational information but not reporting status
- The lack on information and confusion around status is a danger to maritime safety if we consider that MSI is important.
- More pressure needs to applied to ensure all parties focus more on maritime safety and less on bureaucracy.



# New RCCs coming onboard – Around 10 (planned)

- New RCCs will allow direct routing of Safety Comms to these new RCCs.
- The new RCCs will not have Areas of Responsibility (AoRs) initially
- The terminals for vessels will need to actively select these new RCCs.
- Iridium has released training video showing key functions of LT-3100S including RCC selection.





# LT-3100S GMDSS System

by Lars Thrane



## New Features

- SSAS (now)
- LRIT (Q4)



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IRIDIUM PROPRIETARY BUSINESS INFORMATION





# Iridium GMDSS Training Videos

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<b>Iridium Going Public: Reflecting on the SPAC... Process 12 Years Later</b> 127 views • 1 month ago	<b>Get Onboard with Iridium GMDSS at the Southampton...</b> 280 views • 1 month ago	<b>Become an Iridium Partner</b> 131 views • 2 months ago	<b>Develop with Iridium</b> 74 views • 2 months ago





# Summary

## Iridium GMDSS

- Progressing well in relation to vessels adopting Iridium GMDSS.
- Very clear advantages in adopting Iridium GMDSS
- If MSI is important then MSI providers must provide to all GMDSS.
- New RCCs coming onboard
- New features coming to LT-3100S - SSAS & LRIT.
- New training videos designed to assist mariners and others understand key elements of Iridium GMDSS and functions of the equipment.
- Innovation continues and plotter integration may be key in future SAR



# Q&A



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