

# Iridium GMDSS Report September 2023



## NEW DISTRESS ALERT

New Distress Alert ID: 5e42f686\_0004 from Vessel MMSI 000000031 at 52° 1.87920' N / 0° 17.26800' E.

You are the PRIMARY RCC.

Acknowledge





# Status of Iridium SafetyCast

- Iridium GMDSS was recognised over five years ago.
- The Iridium SafetyCast service is fully operational and has been since launch in December 2020.
- Iridium is now supporting four interfaces for Iridium SafetyCast (Email, FTP, Web and API).
- IMO EGC Panel Deadline 1 July 2023 for MSI providers to supply MSI to all RMSS (Iridium) – Replacement
- On going work with remaining METAREAs and NAVAREAs
- Ongoing work to Onboard 23 RCCs.

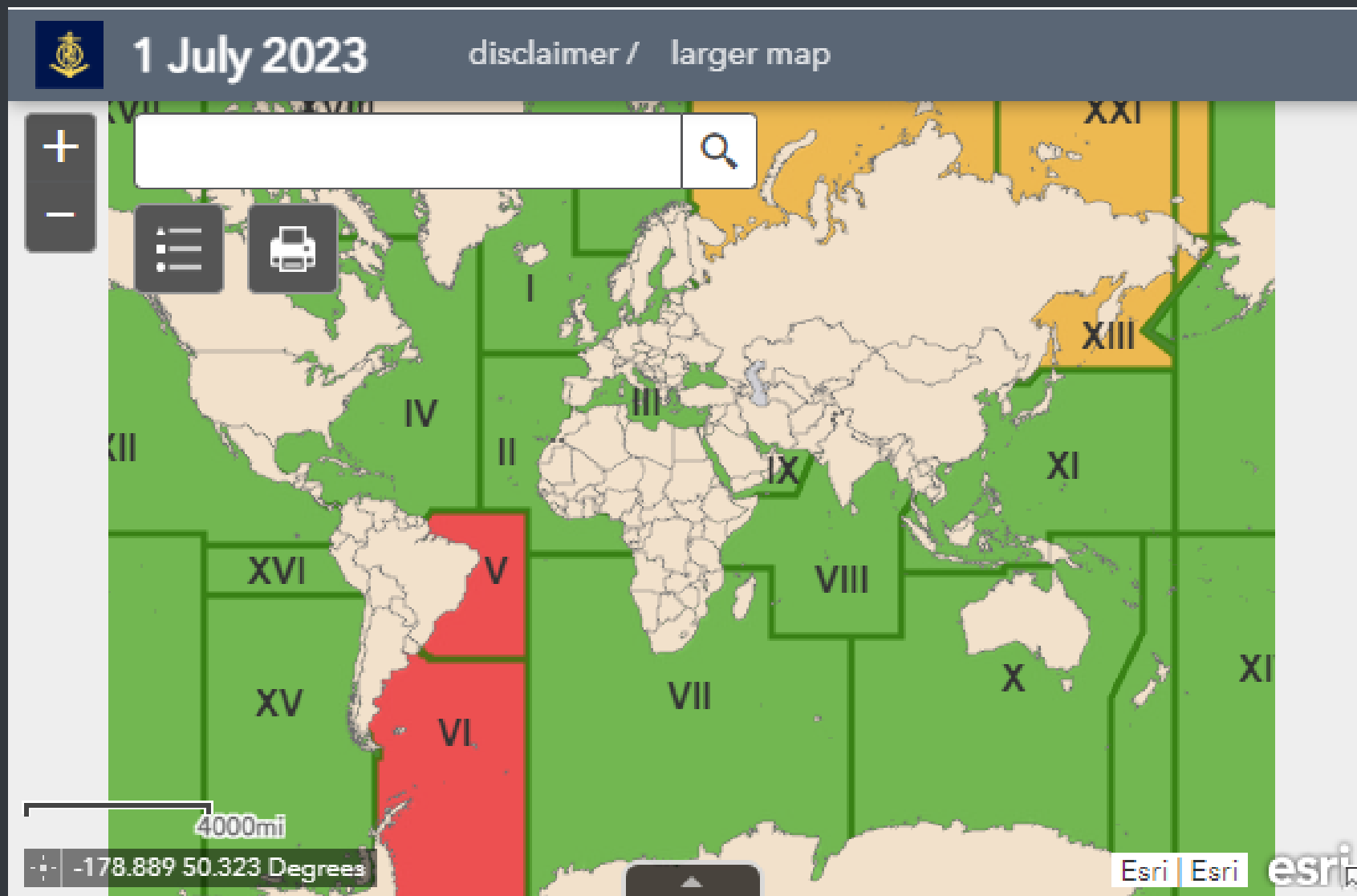
# Iridium GMDSS RCC progress

| Current Rescue Coordination Centre's (14) | Mode      | Operational |
|---|-----------|-------------|
| RCC Atlantic Area Command – United States | Automatic | X           |
| RCC Pacific Area Command – United States  | Automatic | X           |
| JRCC Fareham – United Kingdom             | Manual    | X           |
| RCC Stavanger (South Norway) - Norway     | Manual    | X           |
| RCC New Zealand – New Zealand             | Automatic | X           |
| RCC Australia - Australia                 | Manual    | X           |
| JRCC Bodoe – (North Norway) - Norway      | Manual    | X           |
| JRCC Piraeus - Greece                     | Manual    | X           |
| MRCC Torshavn – Faroe Islands             | Manual    | X           |
| RCC Bremen - Germany                      | Manual    | X           |
| JRCC Larnaca - Cyprus                     | Manual    | X           |
| MRCC Riga - Latvia                        | Manual    | X           |
| RCC Argentina - Argentina                 | Manual    | X           |
| RCC Rabat - Morocco                       | Manual    | X           |

| US Future RCCs (10)                              |
|--|
| RCC Boston                                       |
| RCC Norfolk                                      |
| RCC Miami  |
| RSC San Juan (Sub-Center of RCC Miami)           |
| RCC New Orleans                                  |
| RCC Cleveland                                    |
| RCC Seattle                                      |
| RCC Honolulu (operated as JRCC with DOD)         |
| Sector Guam (coordinates SAR under RCC Honolulu) |
| RCC Juneau                                       |

| Other Future RCCs (14) | Country     |
|------------------------|-------------|
| JRCC Denmark           | Denmark     |
| MRCC Hong Kong         | Hong Kong   |
| RCC Chile              | Chile       |
| MRCC Iceland           | Iceland     |
| RCC Griz-Nez           | France      |
| RCC Den Helder         | Netherlands |
| RCC Tokyo              | Japan       |
| MRCC Madrid            | Spain       |
| MRCC Dublin            | Ireland     |
| RCC Chennai            | India       |
| RCC Nairobi            | Kenya       |
| MRCC Vietnam           | Vietnam     |
| MRCC Monrovia          | Liberia     |
| MRCC                   | Ecuador     |

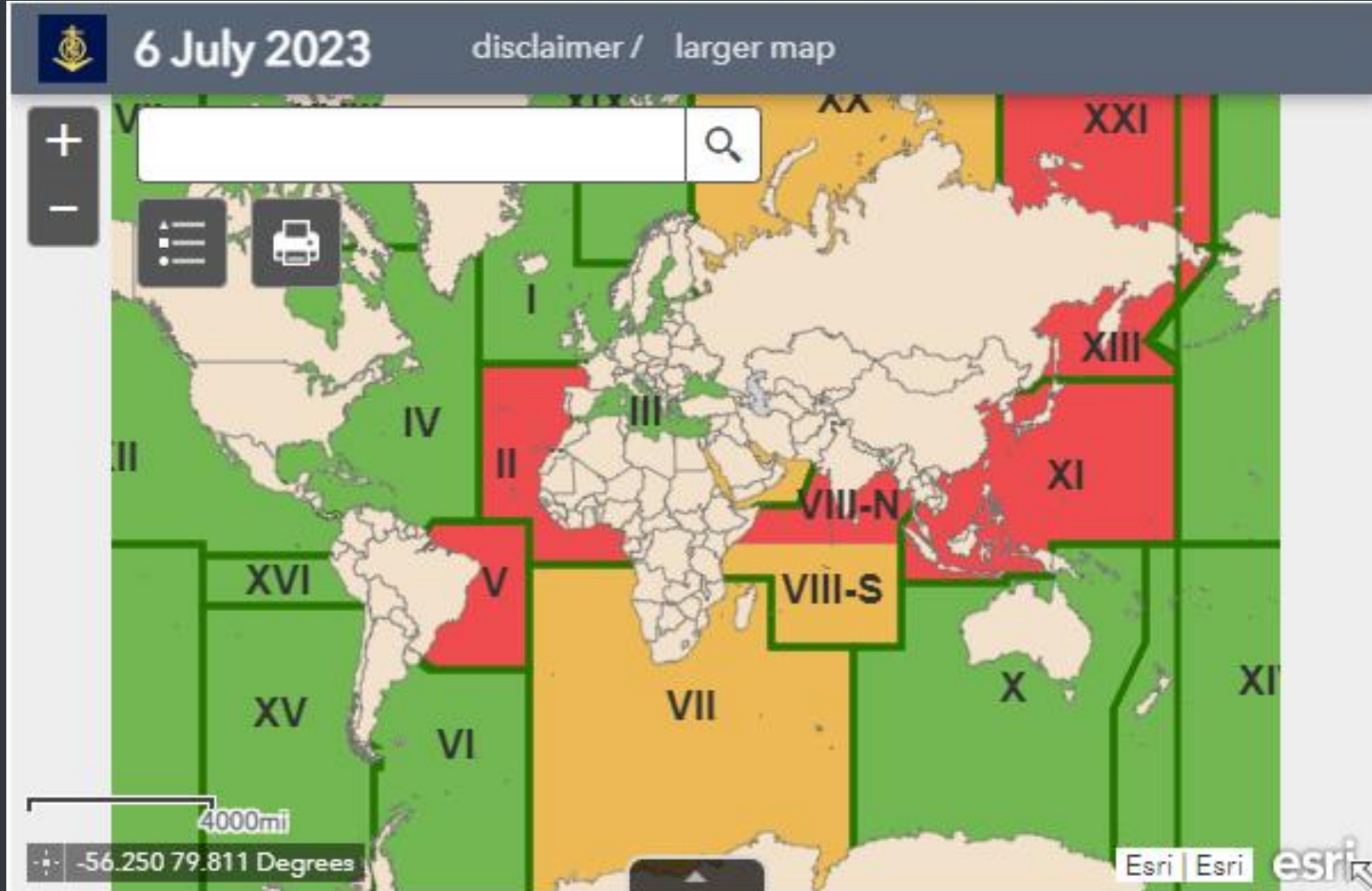
# NAVAREA Status on IHO



# Iridium SafetyCast - NAVAREAs

| Area          | Country                  | Last Broadcast | Number of Broadcasts | Note                          | Operational State |
|---------------|--------------------------|----------------|----------------------|-------------------------------|-------------------|
| NAVAREA I     | UK                       |                |                      |                               |                   |
| NAVAREA II    | France                   |                |                      |                               |                   |
| NAVAREA III   | Spain                    |                |                      |                               |                   |
| NAVAREA IV    | US                       |                |                      |                               |                   |
| NAVAREA V     | Brazil                   | 0              | 0                    | Cannot Broadcast              | Needs Training    |
| NAVAREA VI    | Argentina                | 0              | 0                    | Cannot Broadcast              | No Reply          |
| NAVAREA VII   | South Africa             |                |                      |                               |                   |
| NAVAREA VIII  | India                    |                |                      |                               |                   |
| NAVAREA IX    | Pakistan                 |                |                      |                               |                   |
| NAVAREA X     | Australia                |                |                      |                               |                   |
| NAVAREA XI    | Japan                    |                |                      |                               |                   |
| NAVAREA XII   | United States of America |                |                      |                               |                   |
| NAVAREA XIII  | Russian Federation       | No info        |                      | Through 3 <sup>rd</sup> Party |                   |
| NAVAREA XIV   | New Zealand              |                |                      |                               |                   |
| NAVAREA XV    | Chile                    |                |                      |                               |                   |
| NAVAREA XVI   | Peru                     |                |                      |                               |                   |
| NAVAREA XVII  | Canada                   |                |                      |                               |                   |
| NAVAREA XVIII | Canada                   |                |                      |                               |                   |
| NAVAREA XIX   | Norway                   |                |                      |                               |                   |
| NAVAREA XX    | Russian Federation       | 16 May 2021    | 61                   | Through 3 <sup>rd</sup> Party |                   |
| NAVAREA XXI   | Russian Federation       | 16 May 2021    | 20                   | Through 3 <sup>rd</sup> Party |                   |

# METAREA Status on IHO



# Iridium SafetyCast - METAREAs

| Area          | Country                  | Last Broadcast | Number of Broadcasts | Note                                     | Operational State |
|---------------|--------------------------|----------------|----------------------|--|-------------------|
| METAREA I     | United Kingdom           |                |                      |  |                   |
| METAREA II    | France                   | 0              | 0                    | New Coord, cannot broadcast              | Needs Training    |
| METAREA III   | Greece                   |                |                      |  |                   |
| METAREA IV    | US                       |                |                      |  |                   |
| METAREA V     | Brazil                   | 0              | 0                    | Cannot broadcast                         | Needs Training    |
| METAREA VI    | Argentina                |                |                      |  |                   |
| METAREA VII   | South Africa             | Today          | 950+                 | Should be Operational - WWMIWS           | READY             |
| METAREA VIII  | India                    | Today          | 280+                 | Should be Operational - WWMIWS           | READY             |
|               | Mauritius                | Today          | 820+                 | Should be Operational - WWMIWS           | READY             |
| METAREA IX    | Pakistan                 | Today          | 1800+                | Should be Operational - WWMIWS           | READY             |
| METAREA X     | Australia                |                |                      |  |                   |
| METAREA XI    | Japan                    | 11 Jul 2023    | 2                    | Trialled API - seeking internal approval | Tests Completed   |
|               | China                    |                |                      |  |                   |
| METAREA XII   | United States of America |                |                      |  |                   |
| METAREA XIII  | Russian Federation       | 28 May 2021    | 210                  | Through 3 <sup>rd</sup> Party            |                   |
| METAREA XIV   | New Zealand              |                |                      |  |                   |
| METAREA XV    | Chile                    |                |                      |  |                   |
| METAREA XVI   | Peru                     |                |                      |  |                   |
| METAREA XVII  | Canada                   |                |                      |  |                   |
| METAREA XVIII | Canada                   |                |                      |  |                   |
| METAREA XIX   | Norway                   |                |                      |  |                   |
| METAREA XX    | Russian Federation       | 16 Dec 2021    | 452                  | Through 3 <sup>rd</sup> Party            |                   |
| METAREA XXI   | Russian Federation       | 2 Sept 2021    | 252                  | Through 3 <sup>rd</sup> Party            |                   |



# Iridium view on the status of Iridium SafetyCast

- The lack of Operational MSI in the Iridium GMDSS is potentially compromising maritime safety.
- Iridium continues to support MSI Providers including suspending charging for 2020, 2021 & 2022.
- Iridium has also offered to suspend charging for those countries which declare to IMO that they can not afford the expense for Iridium SafetyCast in future.
- Therefore: Iridium believes that any liability resulting an incident, accident, injury or loss of life caused by the lack of MSI in the Iridium GMDSS, belongs with the MSI Provider for that area and/or the IMO.
- Iridium to suspend charges MET/NAV AREA VIIIN for 2023





# Iridium view on the status of Iridium GMDSS

- Record adoption of Iridium GMDSS during the summer.
- Around 20% of vessels installing two Iridium GMDSS terminals.
- Many shipping companies installing Iridium GMDSS by default.
- Iridium working with SAR organisation to try to improve response coordination and timing for Iridium equipped vessels.
- Also working with a software company that is looking to build an application that will optimise MSI received through an Iridium GMDSS terminal:
  - Auto-recognising coordinates and key text.
  - Plotting MSI events on map.
  - Automatically activating alarm based on event proximity.

**Thank you**



@IridiumComm



@MyIridium



@Iridium



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