

Agenda Item 7

World-Wide Navigational Warning Service Sub-Committee

Report to IRCC15

Tokyo, Japan

12 – 14 June 2023

By Christopher Janus
WWNWS Chair



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IRCC15-0X.XX

Agenda

- WWNWS14 meeting summary
- IHO WWNWS Strategic Performance Indicator (C-55)
- Iridium SafetyCast Implementation
- Capacity building
- S-124 update
- Actions requested



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14th meeting of the WWNWS-SC

- Held from 12-16 September 2022, hybrid meeting, Geneva, Switzerland
 - Joint meeting with the WMO Worldwide Met-Ocean Information Warning Service
- 80 Participants
- BDMSS – Regional system with partial coverage of NAVAREA VIII, X, XI, and XIII
- NAVDAT – Navigation Data Exchange
- Space Activities Working Group established
- Task Team on Volcanic Activity established
- S-124 Progress
- Iridium SafetyCast Implementation
- North Sea RHC MSI Working Group



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IHO Strategic Plan – SPI for MSI

- Target:
 - 3.1 Collaborate with other bodies who deliver capacity building and training to improve effectiveness of capacity building activities and programmes
- Measure:
 - 3.1.1 Percentage of Coastal States that are capable to provide maritime safety information (MSI) **[navigational warnings]** according to the joint IMO/IHO/WMO manual on MSI **(2026 - 90%)**
 - *NAVAREA will confirm successful communications (via email/phone) twice per year*



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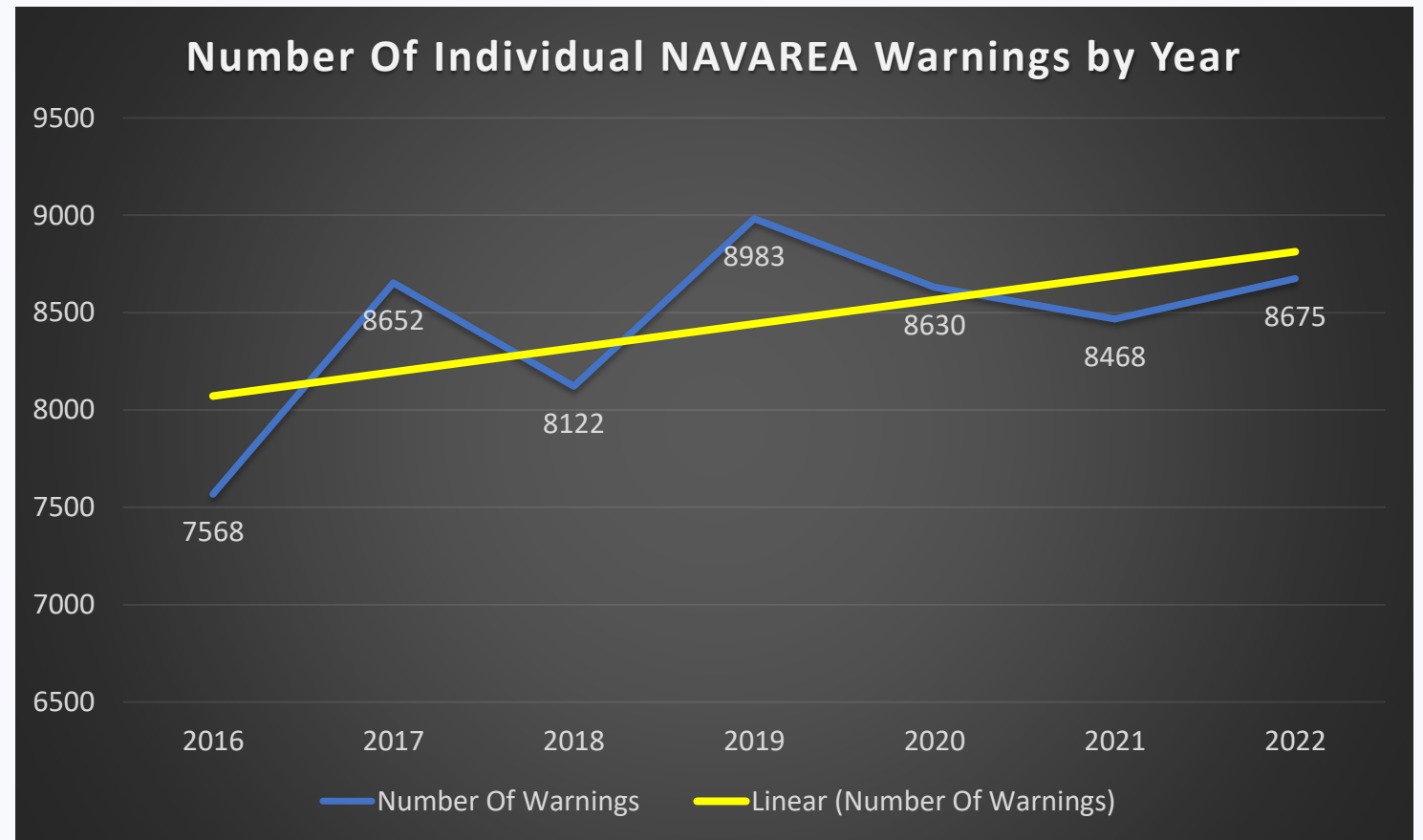
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SPI - Navigation Warnings by year

Month	AORE	AORW	IOR	POR	Total
Jan	9871	8273	8901	10525	37570
Feb	11693	8241	10554	12762	43250
Mar	10487	8243	10555	12766	42051
Apr	9281	6849	8706	12401	37237
May	8428	7457	7799	11999	35683
Jun	8663	8994	6464	10230	34351
July	9393	9263	7264	12828	38748
Aug	10779	9960	9201	13075	43015
Sept	11645	10471	9417	12343	43876
Oct	10920	9718	9895	12418	42951
Nov	10579	9457	10296	12477	42809
Dec	9414	9793	11379	12887	43473

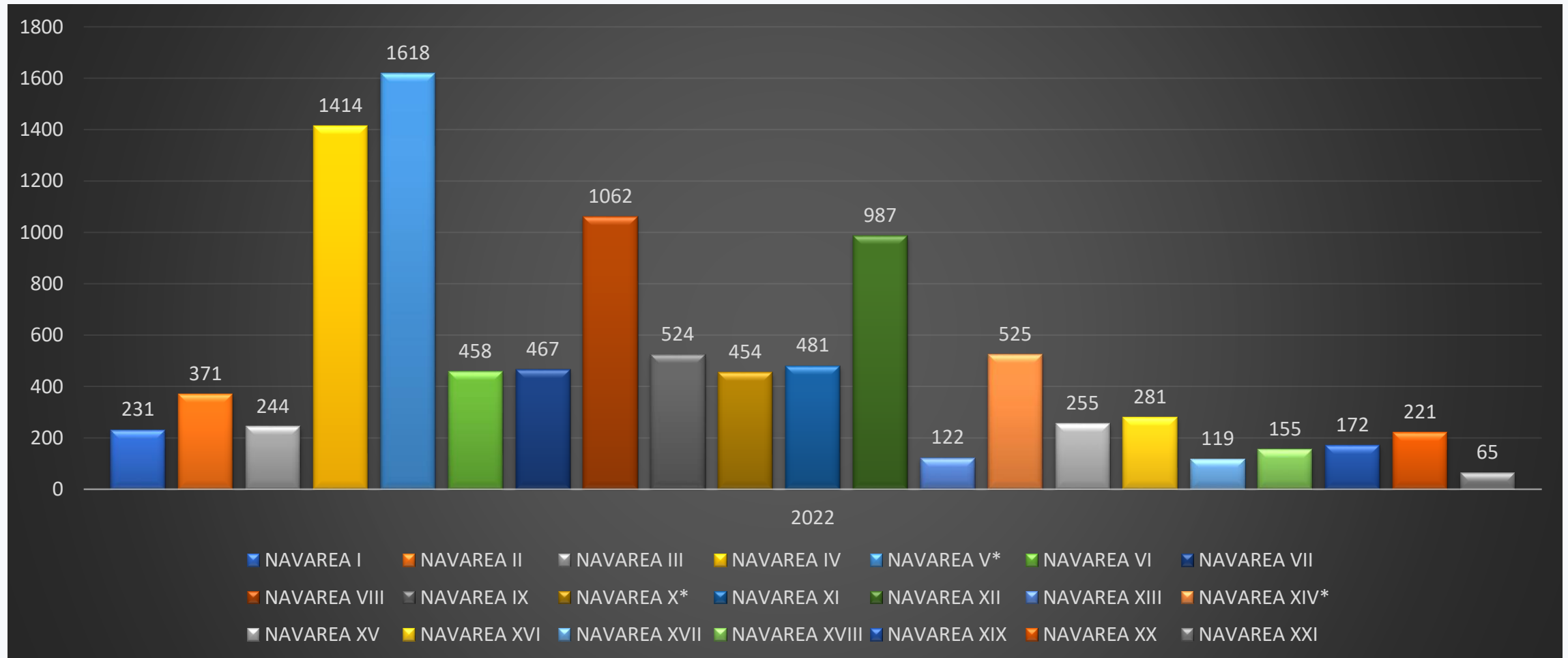
“On average, there were 40,418 [Inmarsat] messages per month, including repeated messages. The average messages per month decreased by 1,130 compared to the last reporting period” (NCSR 10/10/4)



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Navigational warnings issued in 2022

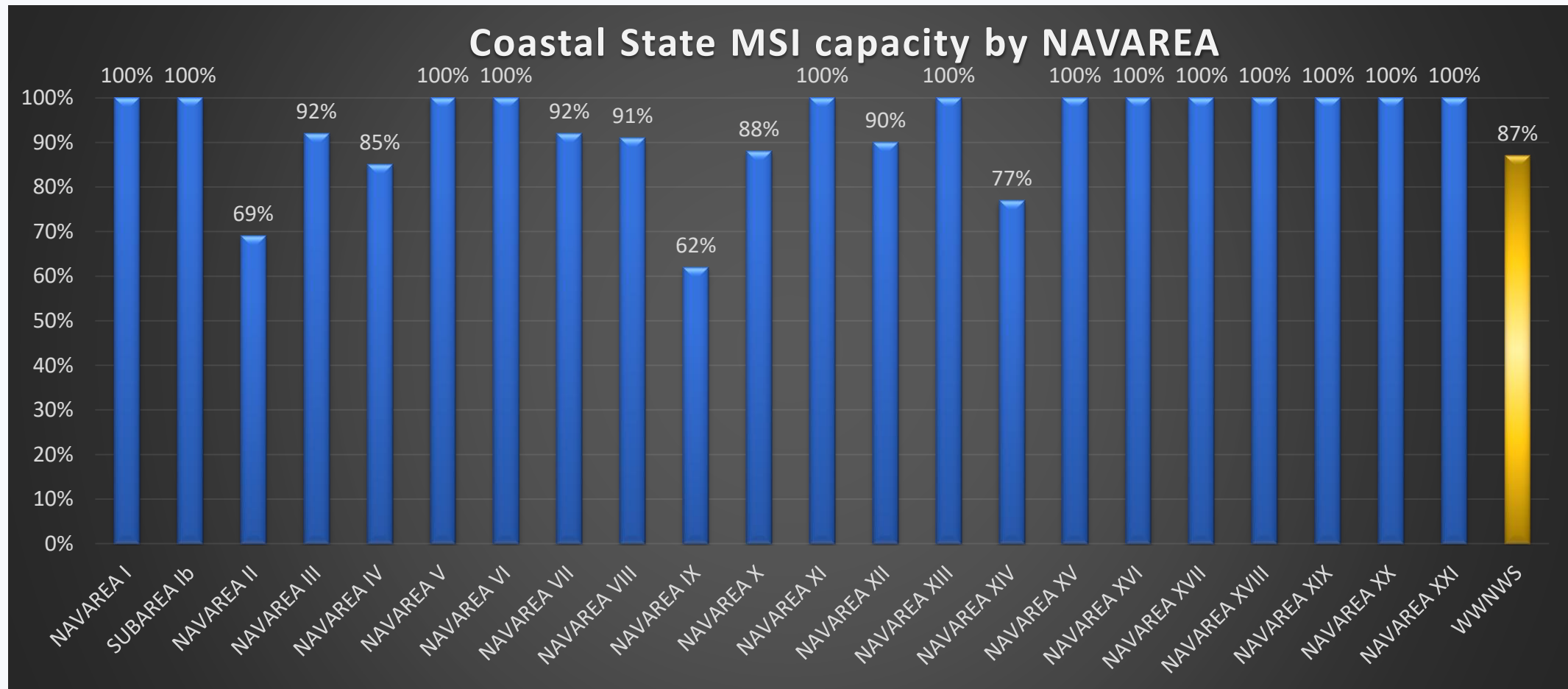


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SPI - MSI Support for 2022 (Derived from WWNWS14 NAVAREA Self Assessments)



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SPI - Coastal States by NAVAREA

NAVAREA	Coastal States with MSI Capacity	Total Coastal States
NAVAREA I (United Kingdom)	11	11
SUBAREA Ib (Sweden)	9	9
NAVAREA II (France)	18	26
NAVAREA III (Spain)	22	24
NAVAREA IV (United States)	39	46
NAVAREA V (Brazil)	1	1
NAVAREA VI (Argentina)	4	4
NAVAREA VII (South Africa)	12	13
NAVAREA VIII (India)	10	11
NAVAREA IX (Pakistan)	8	13
NAVAREA X (Australia)	7	8



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SPI - Coastal States by NAVAREA

NAVAREA	Coastal States with MSI Capacity	Total Coastal States
NAVAREA XI (Japan)	21	21
NAVAREA XII (United States)	9	10
NAVAREA XIII (Russian Federation)	1	1
NAVAREA XIV (New Zealand)	10	12
NAVAREA XV (Chile)	1	1
NAVAREA XVI (Peru)	1	1
NAVAREA XVII (Canada)	1	1
NAVAREA XVIII (Canada)	1	1
NAVAREA XIX (Norway)	1	1
NAVAREA XX (Russian Federation)	1	1
NAVAREA XXI (Russian Federation)	1	1
WWNWS	189	218

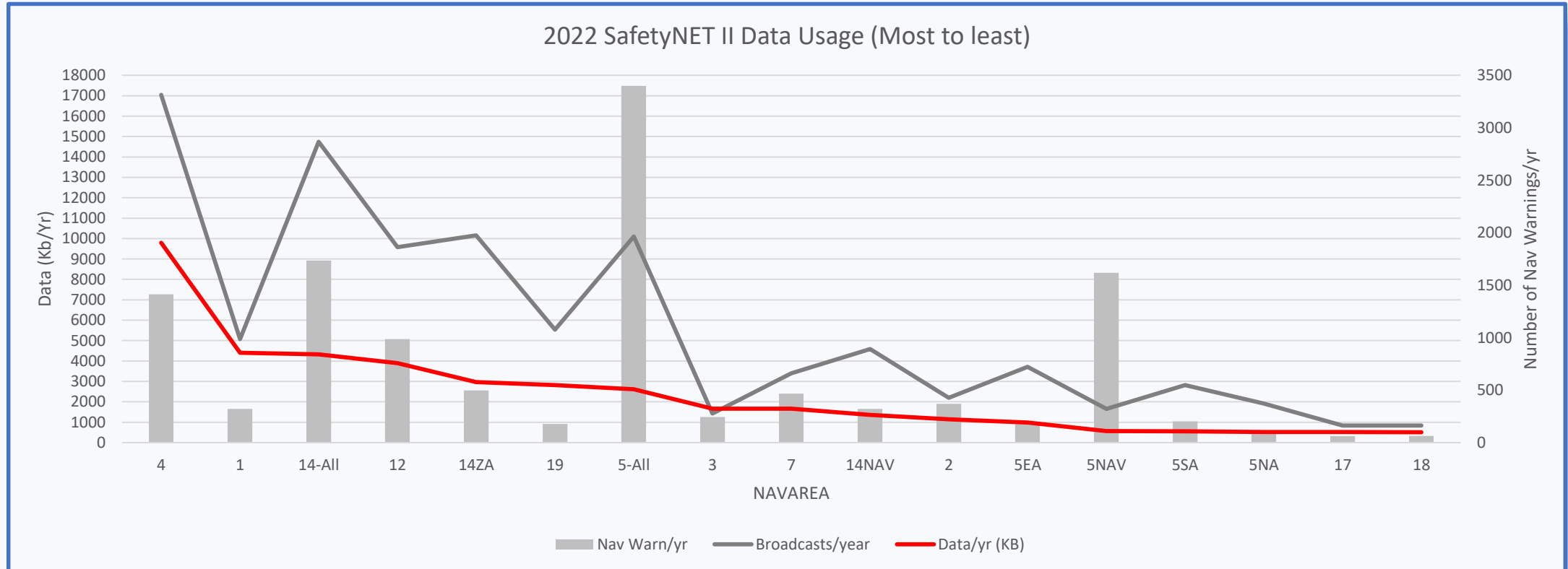
SPI = 87%



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Inmarsat **Data** Usage – Most to Least

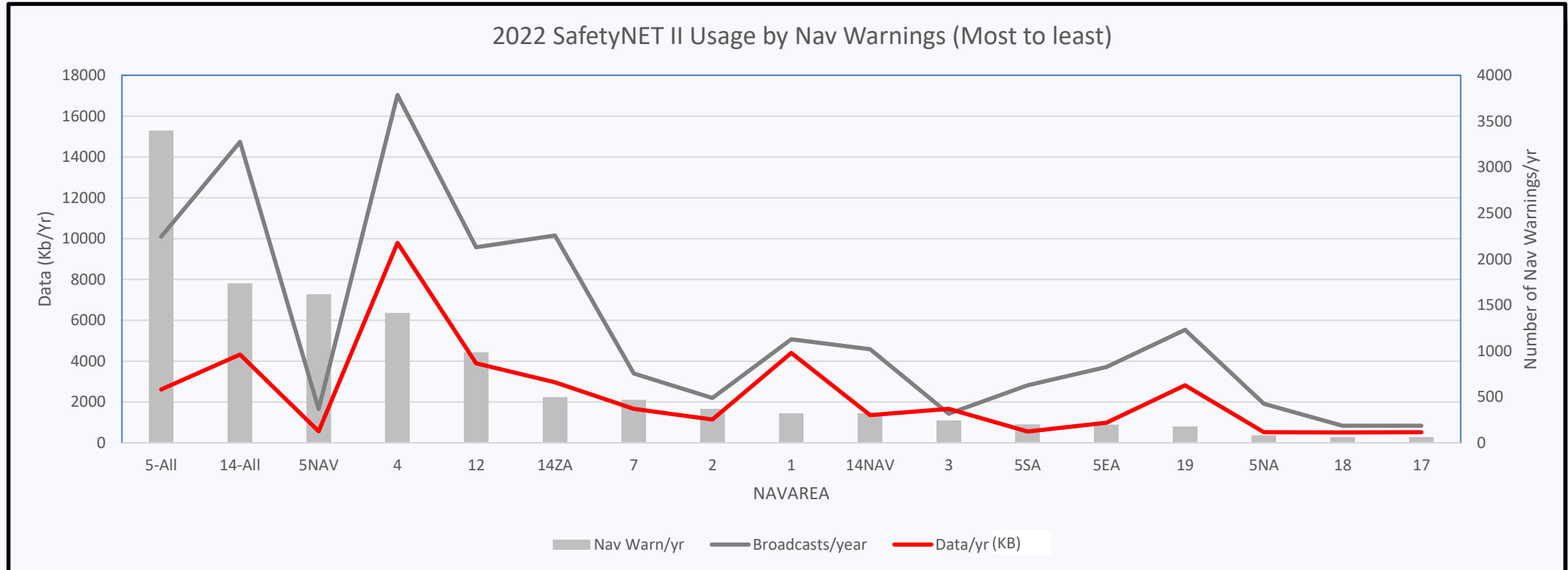


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Navigational Warnings issued– Most to Least

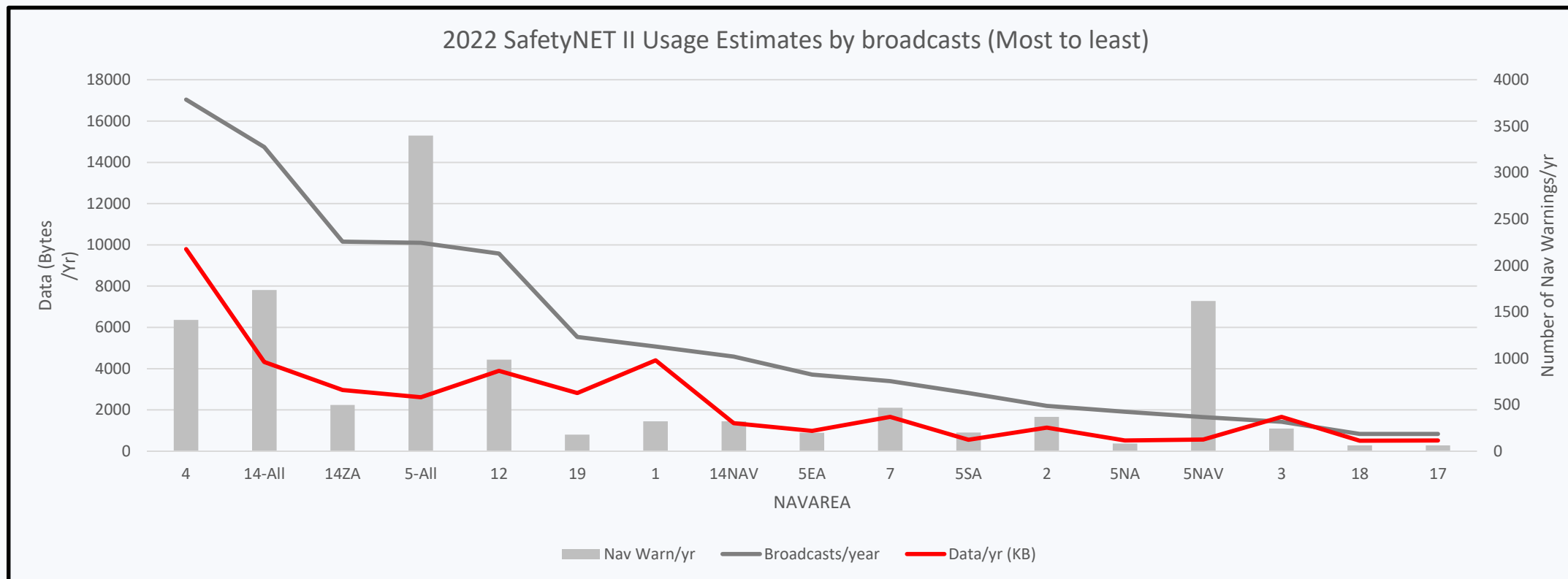


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Navigational Warnings **broadcast** – Most to Least

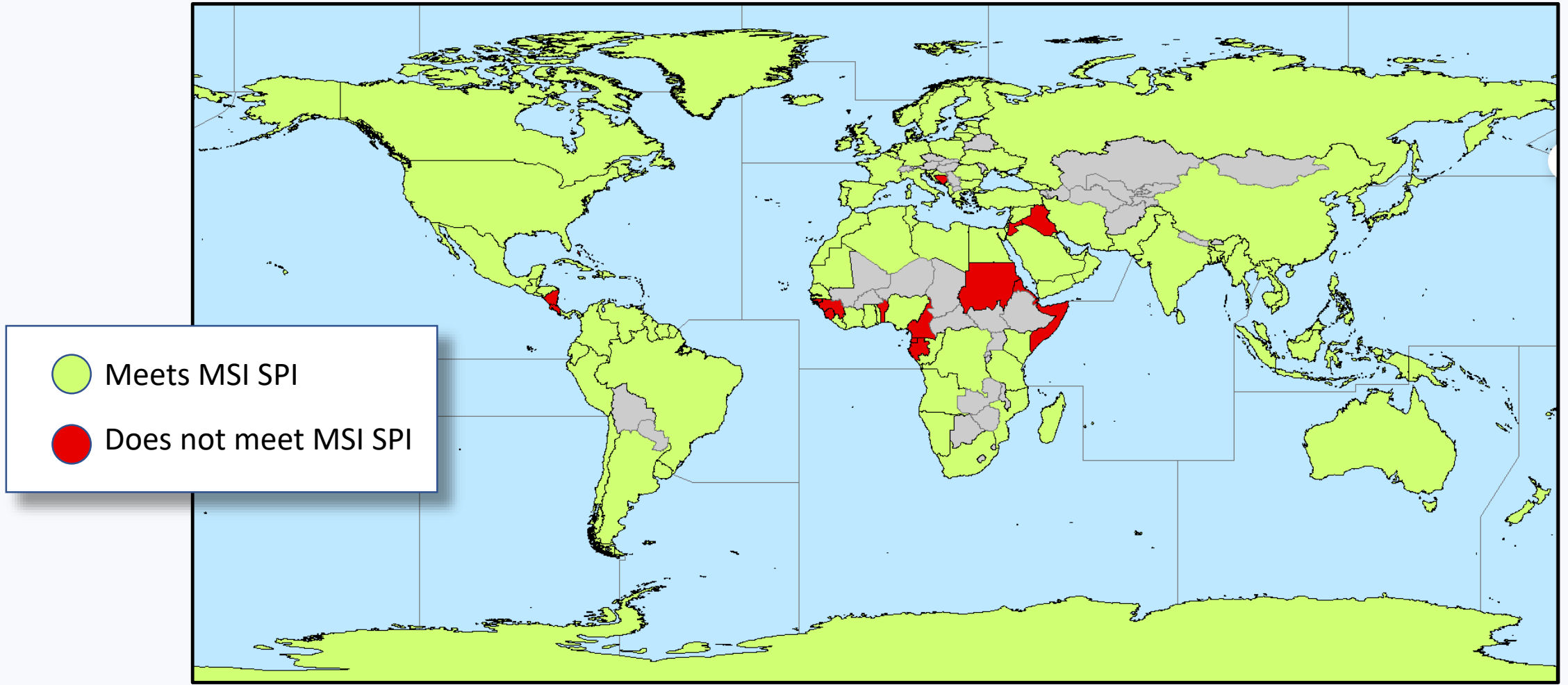


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C-55 GIS Project

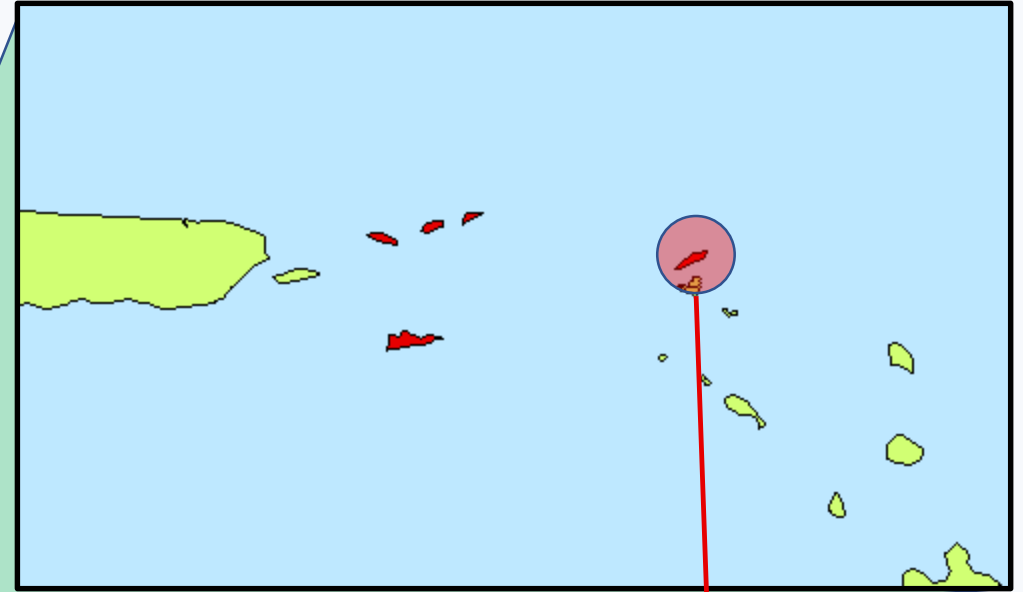
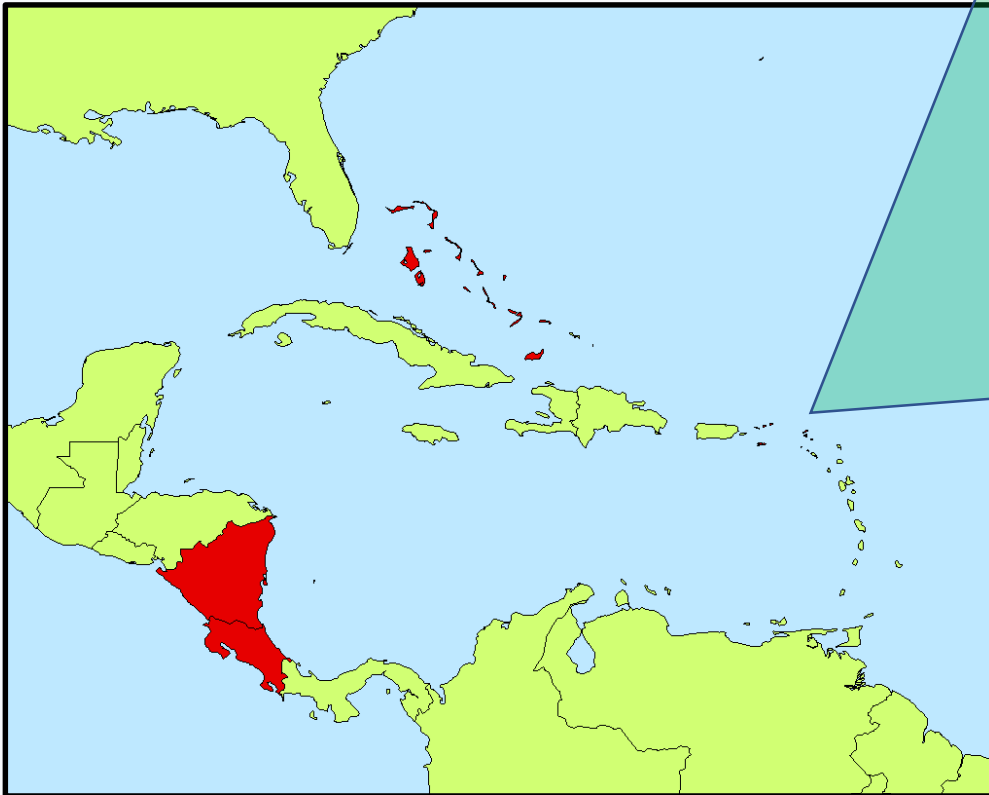


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Coastal State attribution



Field	Value
OBJECTID	7
Shape	Polygon
MSI Status	Bad
National Coordinator	Rawle Hazell
Phone	+1 264 497 2651
Email	rawle.hazell@gov.ai
NAVAREA	IV
2nd NAVAREA	<null>
3rd NAVAREA	<null>
RHC	Meso American & Carribean Sea HC
Country Name	Anguilla
ISO	AI
Affiliated Country	United Kingdom
AFF_ISO	GB
Shape_Length	0.468389
Shape_Area	0.007798



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Iridium SafetyCast Implementation

- At the 105th session of the IMO Maritime Safety Committee (MSC 105), **the Committee agreed that the use of all IMO RMSSs should be mandatory.**
- Iridium noted that it had deferred charging for MSI for the last two years and, as a temporary measure, Iridium offered to continue to defer charging to Member States that had informed IMO about having financial difficulties with the implementation.
 - Iridium confirmed that this temporary initiative **would continue until the cost issue was resolved** and Member States agreed to more permanent solutions.



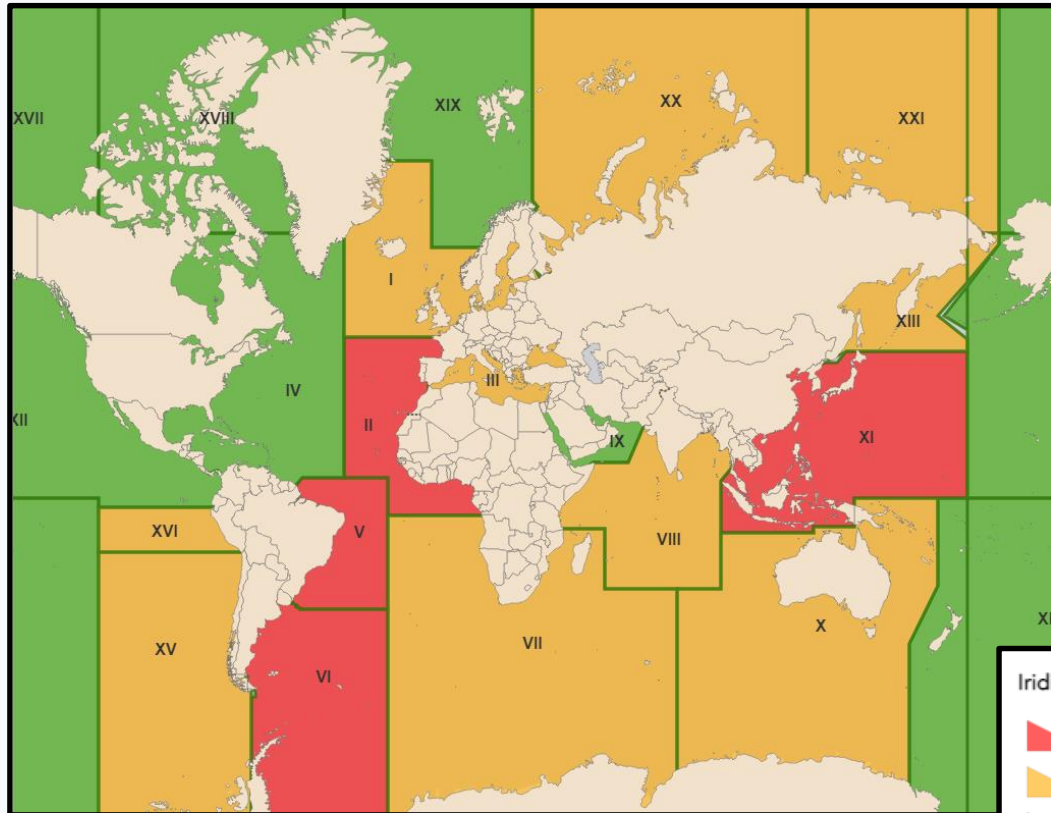
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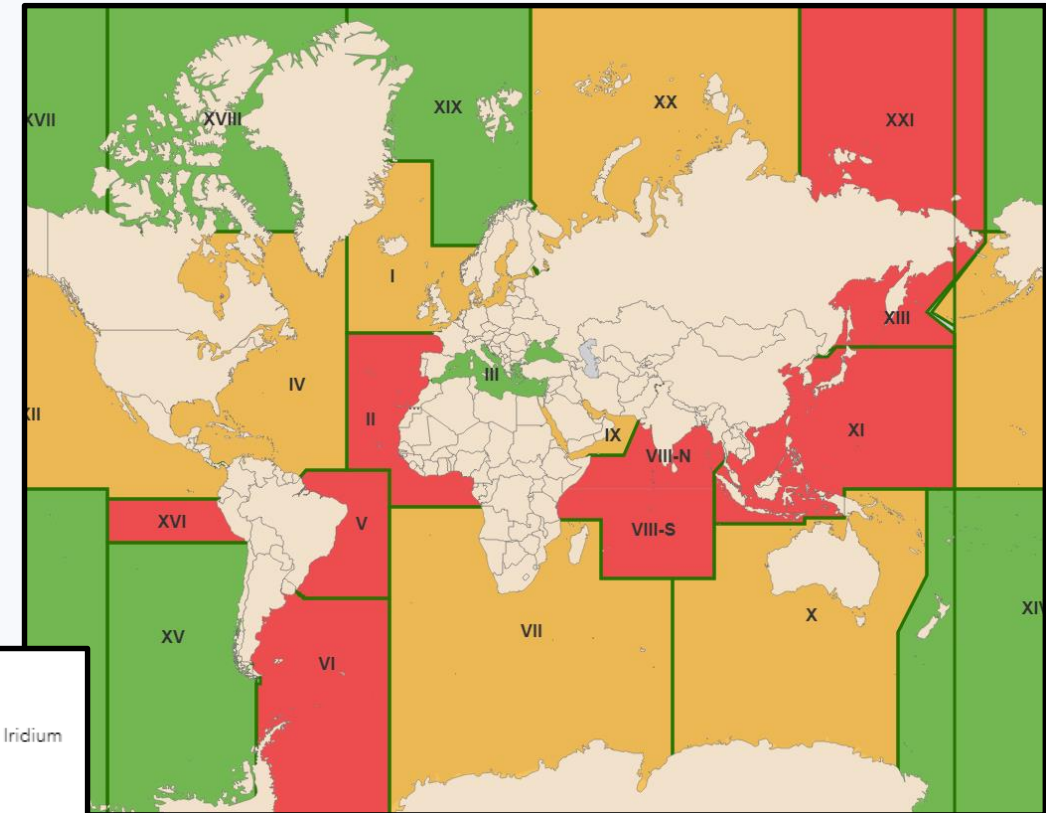
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Iridium SafetyCast Implementation 2022

NAVAREAS



METAREAS



Iridium Safety Cast Implementation

- Planned or concluded agreement with Iridium
- In Trials
- Operational



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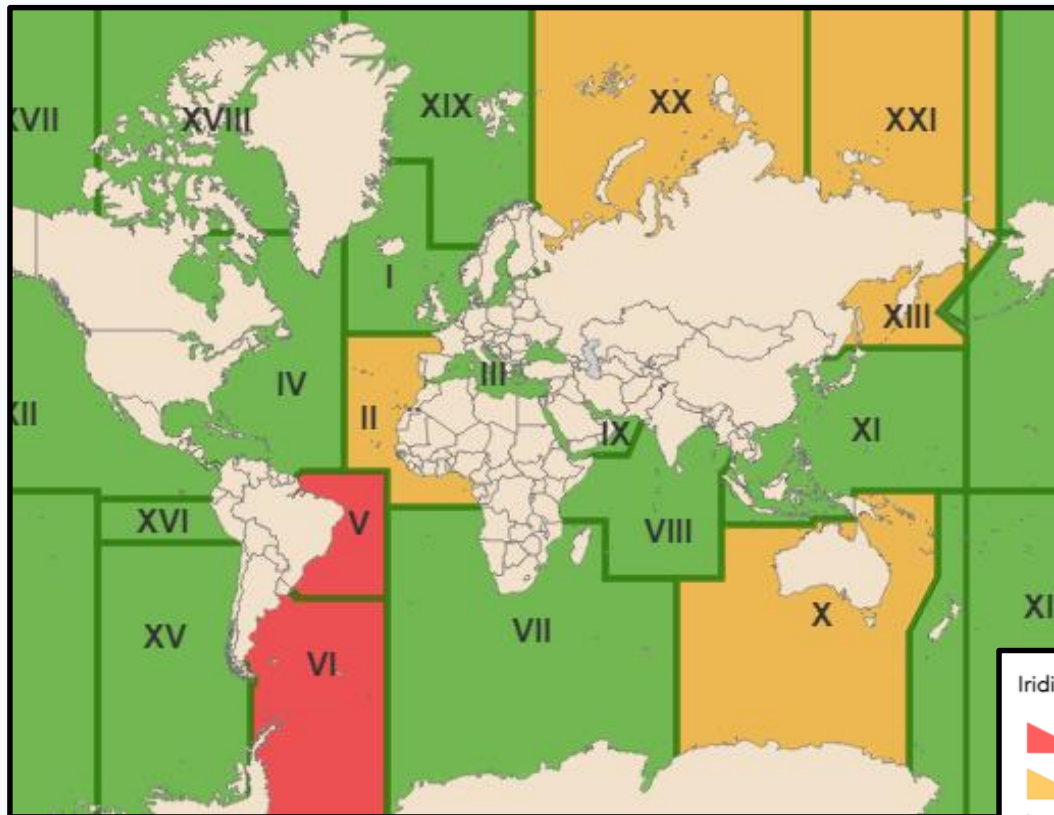
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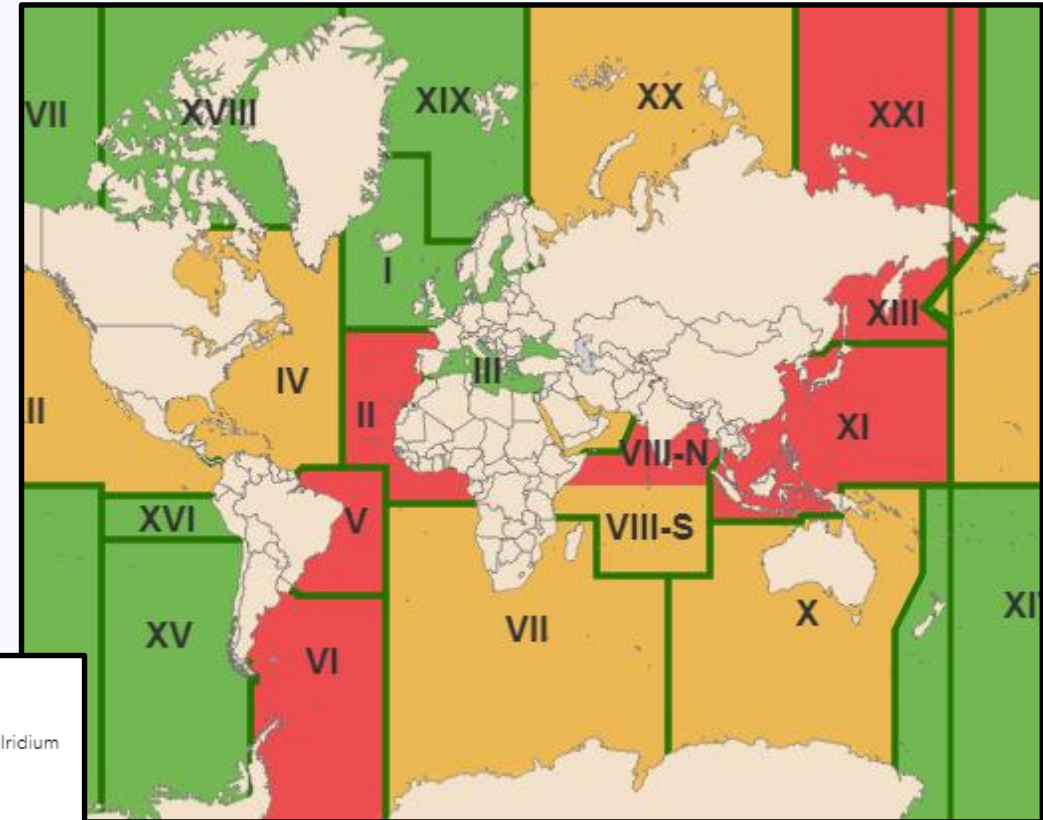
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Iridium SafetyCast Implementation 2023

NAVAREAS



METAREAS



Iridium Safety Cast Implementation

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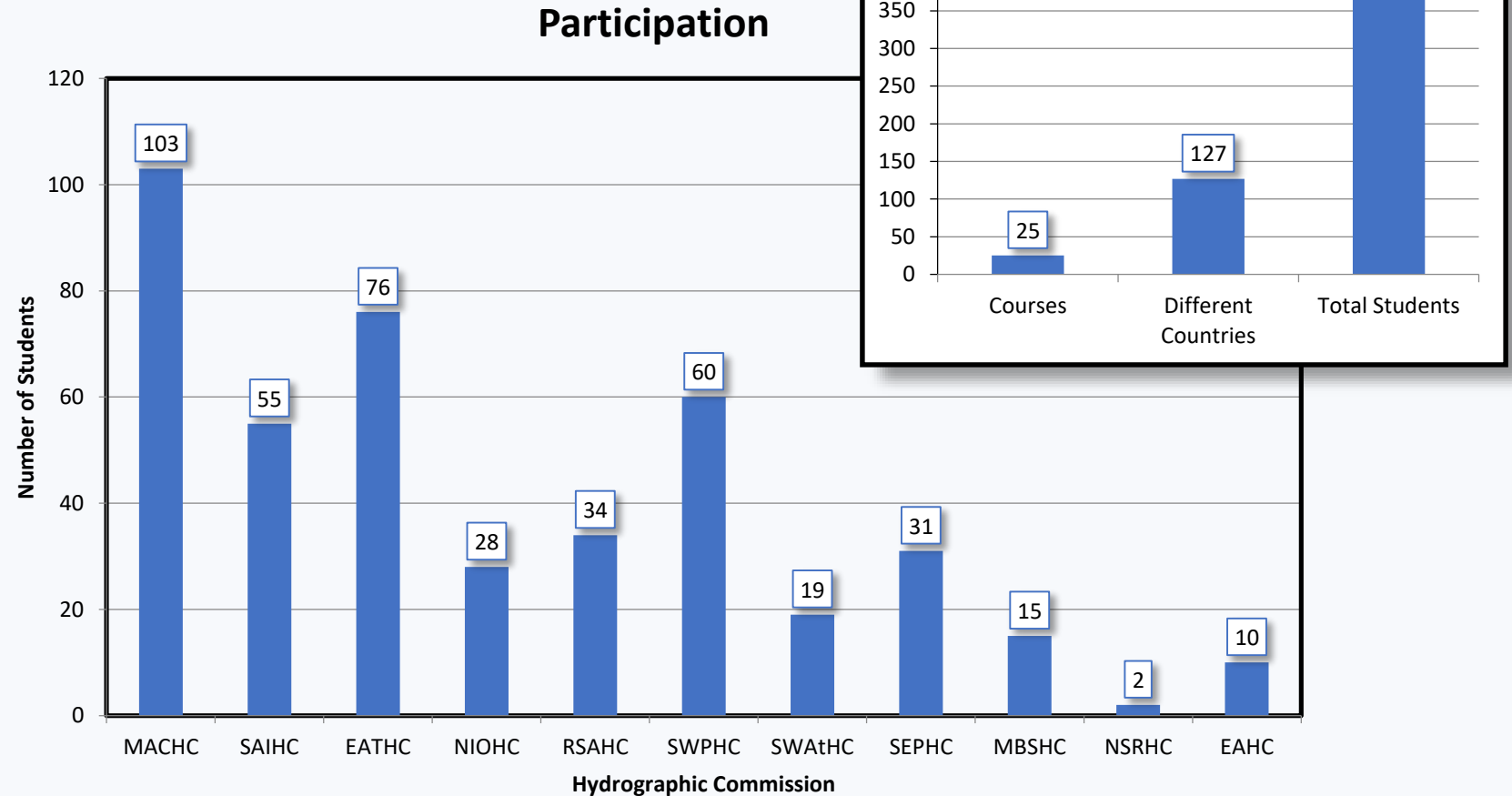
MSI Capacity Building

- Last courses:
Cabo Verde (EAtHC)
September 2022

Colombia (SEPHC)
October 2022

- Next Courses:
Fiji (SWPHC)
July 2023

Oman (NIOHC)
October 2023



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S-124 Update

- S-124 version 1.0.0 endorsed by WWNWS14 and submitted to HSSC15 for approval.
- NCSR10 approved the updated Joint IMO/IHO/WMO Manual on Maritime Safety Information
- S-124 Document Encoding Guide draft version complete.
- Future work:
 - Testing portrayal of NAVWARN in user systems.
 - Testing options for distribution of S-124
 - Enhance and improve the S-124 product specification as needed.



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Actions requested of the IRCC

- **Note** the information provided in this report on the outcomes of WWNWS14;
- **Approve** S-124 Ed 1.0.0 for submission to MS for endorsement.
- **Encourage** relevant Member States to report to the IMO Secretariat and the Chair of the EGC Coordinating Panel on the progress and status of implementation of newly recognized mobile satellite services by MSI providers;
- **Note** that MSI providers, should they implement Iridium SafetyCast services, are compelled to bear the burden of all additional costs, as a consequence of the approval by IMO Member States of the Iridium SafetyCast as an RMSS; and
- **Take** any other action it considers appropriate.



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