

NAVAREA X Report

Country: Australia
Organization: Australian Maritime Safety Authority

Reporting period from 1 January 2023 to 31 December 2023

1. Maritime area

NAVAREA X

As depicted in Figure 1, NAVAREA X extends from the Antarctic coast at longitude 080° 00 E thence,

30° 00 S 080° 00 E	30° 00 S 095° 00 E	12° 00 S 095° 00 E
12° 00 S 127° 00 E	10° 00 S 127° 00 E	10° 00 S 141° 00 E
00° 00 S 141° 00 E	00° 00 S 170° 00 E	29° 00 S 170° 00 E
45° 00 S 160° 00 E		

thence to the coast of the Antarctic continent at longitude 160° 00 E.

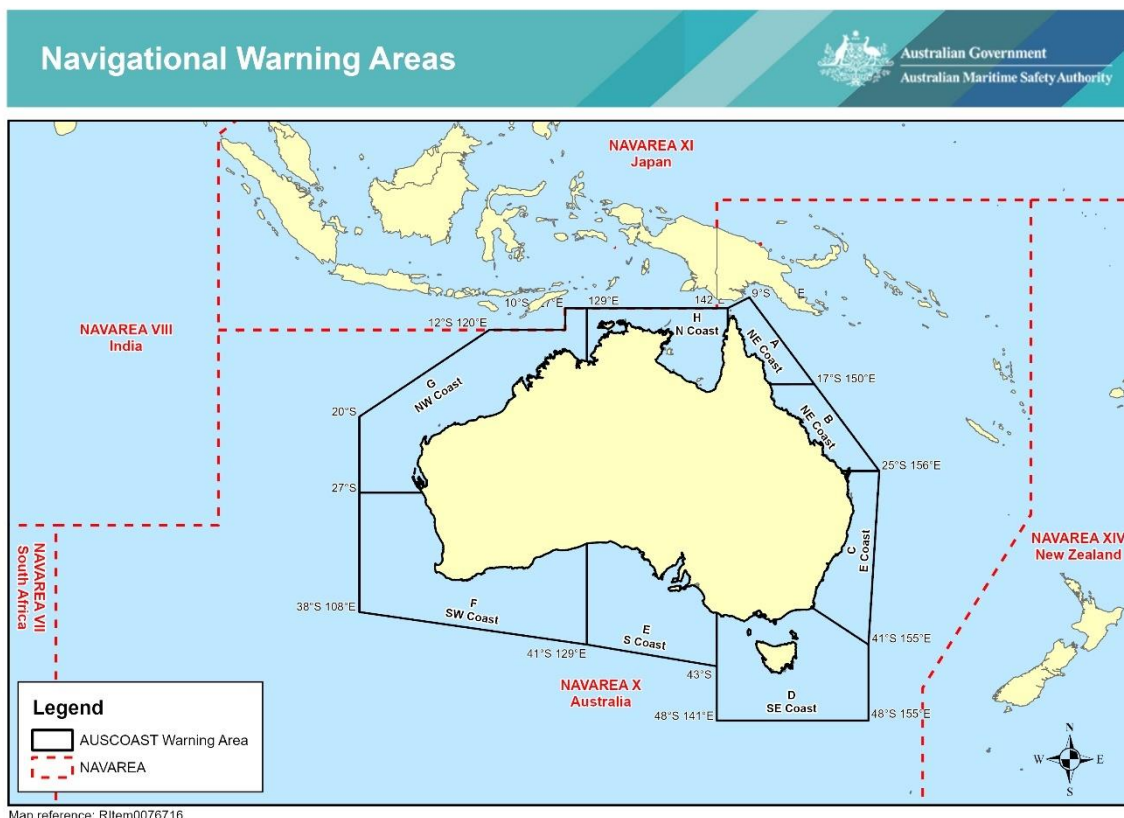


Figure 1: NAVAREA X outline

Coastal warning areas

As depicted in Figure 1, NAVAREA X includes eight (8) coast warning areas administered by the National Coordinator for Australia (A thru H). A further coastal

warning area (N) (not shown in Figure 1) is administered by the National Coordinator for France (New Caledonia).

The coordinates for coastal warning areas A thru H and N are provided in Table 1.

Note: The coordinates of coastal warning areas C and D where it meets the Australian coast at 37° 39.8 S 149° 54 E require confirmation.

COASTAL WARNING AREA	COORDINATES
A	Australian coast at longitude 142° 00 E, thence 10° 00 S 142° 00 E, 09° 00 S 144° 00 E, 17° 00 S 150° 00 E, thence to the Australian coast at latitude 17° 00 S.
B	Australian coast at latitude 17° 00 S, 17° 00 S 150° 00 E, 25° 00 S 156° 00 E, thence to the Australian coast at latitude 25° 00 S.
C	Australian coast at latitude 25° 00 S, thence 25° 00 S 156° 00 E, 41° 00 S 155° 00 E, thence to the Australian coast at 37° 39.8 S 149° 54 E.
D	Australian coast at 37° 39.8 S 149° 54 E, thence 41° 00 S 155° 00 E, 48° 00 S 155° 00 E, 48° 00 S 141° 00 E, thence to the Australian coast at longitude 141° 00 E.
E	Australian coast at longitude 141° 00 E, thence 43° 00 S 141° 00 E, 41° 00 S 129° 00 E, thence to the Australian coast at longitude 129° 00 E.
F	Australian coast at longitude 129° 00 E, thence 41° 00 S 129° 00 E, 38° 00 S 108° 00 E, 27° 00 S 108° 00 E, thence to the Australian coast at latitude 27° 00 S.
G	Australian coast at latitude 27° 00 S, thence 27° 00 S 108° 00 E, 20° 00 S 108° 00 E, 12° 00 S 120° 00 E, 12° 00 S 127° 00 E, 10° 00 S 127° 00 E, 10° 00 S 129° 00 E, thence to the Australian coast at longitude 129° 00 E.
H	Australian coast at longitude 129° 00 E, thence 10° 00 S 129° 00 E, 10° 00 S 142° 00 E, thence Australian coast at longitude 142° 00 E.
N	<i>Not available</i>

Table 1: Coordinates for coastal warning areas in NAVAREA X

2. Operational Points of Contact for the National Coordinator

COUNTRY	INSTITUTION	TELEPHONE	FACSIMILE	EMAIL
Australia	Australian Maritime Safety Authority	+61 2 6230 6811		rccaus@amsa.gov.au
		+61 2 6279 5703		stuart.shepard@amsa.gov.au
France (New Caledonia)	MRCC Noumea	+687 29 21 21		operations@mrcc.nc
	French Hydrographic Office	+33 2 56312190 (OS sector) +33 2 56312439 (Pacific zone)		infonaut-om@shom.fr
Papua New Guinea	PNG MRCC	+675 3212969 +675 73517017	+675 3210484	PNGMRCC@nmsa.gov.pg
Solomon Islands	MRCC Honiara	+677 21609 +677 27685		mrcc@solomon.com.sb
	Solomon Islands Maritime Authority	+677 7479869		john.dalomae@sima.gov.sb
Vanuatu	Department of Ports and Maritime	+678 33600		trobson@vanuatu.gov.vu alan.ngwele@gmail.com

Table 2: National Coordinators in NAVAREA X

3. GMDSS Master Plan

The GISIS GMDSS Master Plan module has been checked in accordance with International Maritime Organization (IMO) Circular GMDSS.1/Circ.23 and is up to date. The last update was made in July 2023 to show Australia is ‘operational’ for Iridium SafetyCast NAV, MET and SAR services.

The Iridium SafetyCast service was declared ‘operational’ on 1 July 2023 via Australian Notice to Mariner. This information is also reflected on the IHO webpage for Iridium SafetyCast Implementation Status (<https://iho.int/en/iridium-safetycast-implementation-status>).

NAVAREA X EGC broadcasts are promulgated via the recognised mobile satellite service providers. SafetyNet broadcasts are sent in a non-interactive manner (email) to Burum LES for broadcast over the Inmarsat IOR and POR satellites. SafetyCast broadcasts are sent via web interface for broadcast over the Iridium satellite. EGC is broadcast on-receipt then in accordance with the broadcast schedule.

Broadcast Equipment/Software	Broadcast schedule/Satellite	Location (LES) and/or implementation
LES	0700 and 1900, IOR and POR	Burum LES via email
Iridium SafetyCast	0700 and 1900	Web interface
Monitoring Equipment		Manufacturer/Software
TT-3022A (Primary)		EMON Version 1.1 circa.1990
TT-3020B (Standby)		EMON Version 1.1 circa.1990
Iridium LT-3100S		Iridium

Table 3: EGC services for NAVAREA X

Country	NAVTEX station name	B1 Character or Coastal Warning Area	Broadcast schedule times UTC (only for EGC)	Total number of warnings broadcast	Number of warnings broadcast with urgent priority (EGC) or vital (NAVTEX)	Total number of warnings broadcast, including repetitions
Australia	-	A	0700 and 1900	72	0	1314
	-	B		26	0	481
	-	C		16	0	732
	-	D		30	0	961
	-	E		20	0	277
	-	F		13	0	193
	-	G		110	0	4036
	-	H		58	0	1207
France (New Caledonia)	-	N	0140 and 1340	<i>Not reported</i>		

Table 4: Coastal warnings issued in NAVAREA X in 2023

Provider	Total number of warnings issued	Ocean Region (Co)	Total number of warnings broadcast, including repetitions
SafetyNet	77	POR	1129
		IOR	1129
SafetyCast	39	-	-

Table 5: NAVAREA X broadcasts in 2023

Note: Iridium SafetyCast service was declared 'operational' on 1 July 2023.

4. NAVTEX Coverage

There are no NAVTEX services provided within NAVAREA X; however, a national coordinator within NAVAREA X has commenced considerations to operate two NAVTEX stations to provide coverage of its waterways. The NAVAREA X Coordinator in collaboration with the NAVTEX Coordinating Panel Chair, is helping to facilitate this consideration.

5. Operational Issues

Nil for 2023 or to-date for 2024. During mid-2024, the offices of the NAVAREA X Coordinator will be moving (though remaining in Canberra, Australia). Transition of the facilities is currently being coordinated, with back-up arrangements expected to be operationalised during this period. Any impact will be reported next year.

6. Contingency Planning

The NAVAREA X Coordinator's primary workplace is in Braddon, Australian Capital Territory, Australia and co-located with Joint Rescue Coordination Centre (JRCC) Australia. JRCC Australia is supported by a disaster recovery facility (DRF) located 13 kilometres north in Mitchell, Australian Capital Territory, Australia.

The DRF provides redundant functionality of the primary workplace in a 'hot standby' state. In the past year, the transfer of staff and systems from the primary workplace to the DRF has been regularly exercised due to business continuity operations.

NAVAREA X Coordinator functionality for SafetyNET can be carried out by the manual submission of MSI via an authenticated email account direct to Burum LES, using an internet-connected laptop/desktop, with webmail functionality.

NAVAREA X Coordinator functionality for SafetyCast can be carried out by the manual submission of MSI via an authenticated web interface.

7. Capacity Building

MSI training was provided from 25 to 27 July 2023 to Solomon Islands, Papua New Guinea, Vanuatu, Fiji, Palau, Marshal Islands, Kiribati, Cook Islands, Micronesia, Samoa and Tonga as Coastal States within and adjacent to NAVAREA X and XIV.

A detailed report is provided in [WWNWS15-5.3.2](#).

8. Other Activities

IMO Sub-Committee on Navigation, Communications and Search and Rescue (NCSR)

The tenth session of NCSR was held 10 to 19 May 2023. The NAVAREA X Coordinator was the Chair of the Working Group on Search and Rescue and Other Technical Matters.

The issue of cost for implementation, not limited to operation, is becoming more prevalent in the recognition or adoption of new and innovative technology. Australia was a vocal proponent for the Organization to consider the cost-benefit, not just the costs.

The Australian delegation closely followed progress to develop the Very High Frequency Data Exchange System (VDES) performance standard, regulatory amendments to SOLAS Chapter V (Safety of Navigation) and is participating in the intersessional correspondence group established by NCSR 10.

S-124 implementation in NAVAREA X

AMSA is progressing with implementation of S-124 (navigation warning) services within the broader context of its S-100 implementation programme, which is currently being considered by its Executive. AMSA is part of the Australian S-100 WG and is leading internationally on the requirements to transition to S-100, including communication, security and product specification work within the IMO and IHO.

AMSA has already demonstrated an S-53 to S-124 conversion tool¹, and is continuing to investigate communication systems, such as the Very High Frequency Data Exchange System (VDES), for delivering digital maritime services.

9. National Maritime Website

General information on MSI, including availability and publication of navigational and meteorological warnings and services for NAVAREA/METAREA X are on AMSA's website <https://www.amsa.gov.au/safety-navigation/navigation-systems/maritime-safety-information>. This webpage was recently updated to improve the information available to mariners on availability of EGC services in Australia with the operationalisation of Iridium SafetyCast services.

NAVAREA X, AUSCOAST and Sea Safety Message warnings are updated in real time when they are issued and cancelled, and can be updated by refreshing the webpage <https://www.amsa.gov.au/safety-navigation/navigation-systems/maritime-safety-information-database>. The date and time of the last update is shown on the website and any download. Historical warnings are not available.

A breakdown of access to web resources is detailed:

Web page content	Visitors / page views		Average time on page	
	2022	2023	2022	2023
General information on MSI	5,495 / 12,381	4,659 / 16,730	1:33	00:52
Navigational warnings	11,627 / 55,422	9,712 / 67,458	1:56	00:51

Table 6: Unique visitors to AMSA NAVAREA webpages

10. Recommendations

None.

11. Summary

The Iridium SafetyCast service was declared 'operational' on 1 July 2023 via Australian Notice to Mariner for all SafetyCast services including navigational warnings, meteorological forecasts and warnings and search and rescue services.

NAVAREA X and XIV, with assistance from Maritime Safety Authority Fiji (MSAF) conducted MSI capacity building training from 25 to 27 July 2023 with eleven coastal states within and adjacent to NAVAREA X and XIV.

¹ Submitted to WWNWS15 in document [WWNWS15-3.5.1.1](#)