

MSI Assessment for NAVAREA XI

Reporting period from 1st Jan 2022 to 31th December 2022

Submitted by Japan

SUMMARY

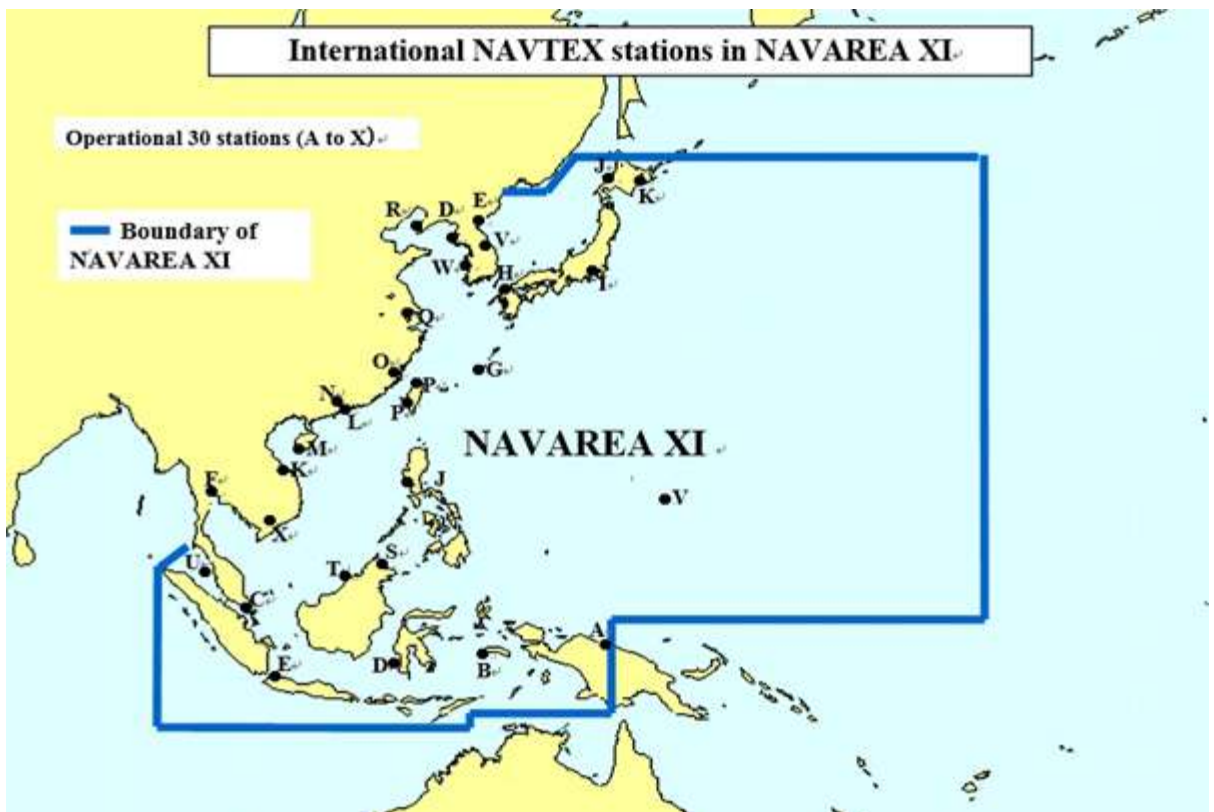
Executive Summary: Overview of activities undertaken within NAVAREA XI since WVNWS14

Action to be taken: None

Related documents: None

1. General information:

1.1. Geographic Boundaries of the NAVAREA including boundaries for any coastal warning Areas and NAVTEX Stations



NAVAREA XI is bounded by lines joining the following positions:

On the coast (Russian-D.P.R. Korea border),

42° 17.5' N 135° 00.0' E,

45° 00.0' N 138° 20.0' E,

45° 00.0' N 180° 00.0' ,

00° 00.0' 180° 00.0' ,

00° 00.0' 141° 00.0' E,

10° 00.0' S 141° 00.0' E,

10° 00.0' S 127° 00.0' E,

12° 00.0' S 127° 00.0' E,

12° 00.0' S 95° 00.0' E,

06° 00.0' N 95° 00.0' E,

Myanmar / Thailand Frontier-98°E.

1.2. Operational Points of Contact for National Co-ordinators within the NAVAREA

COUNTRY	INSTITUTION	TELEPHONE	FACSIMILE	EMAIL
Brunei Darussalam	Maritime and Port Authority	+673-2771347-56		private.secretary@mpabd.gov.bn
Cambodia	Ministry of Public Work and Transport	+855-12-628356		sophornna_r@yahoo.co.uk
China	Maritime Safety Administration of China	+86 10 65292325	+86 10 65292465	warning@msa.gov.cn
Democratic People's Republic of Korea	National Maritime Safety Warning Service Centre, Hydrographic Department			mrcc.dprk@star-co.net.kp
Indonesia	Nautical Division Indonesia Naval Hydrographic and Oceanographic Centre	+62-21-64714809,10,19		infohid@pus hidrosal.id
Indonesia	Directorate General of Sea Transportation	+62-21-3811308		telekomunikasi.pelayaran@gmail.com telkompel.ditnav@dephub.go.id

Japan	Hydrographic and Oceanographic Department Japan Coast Guard	+81-3-3595-3644	+81-3-3595-3571	jcg-tuho@navareall.go.jp
Kiribati	Ministry of Information, Communications and Transport/ Marine Division	+686-74026003 +686-73022727	+686-74026003 +686-73022727	eritaia.tauro@mict.gov.ki
Malaysia	Malaysia Marine Department /Traffic Management & Aids to Navigation Division/ Vessel Traffic Unit	+60-3-3167-0530		mmcc@marine.gov.my mhisham@marine.gov.my
Marshall Islands	RMI Ports Authority	+692-625-8269	+692-625-4269	tmaddison37@gmail.com
Micronesia (Federated States of)	Department of Transportation, Communications & Infrastructure, Marine Division	+691 320 2865		tci@tci.gov.fm
Palau	Division of Port State and Navigation Bureau of Maritime Transportation	+680488-4224		dot@palaunet.com
Philippines	Hydrography Branch, National Mapping and Resource Information Authority	+632-8245-0295	+632-8242-2090	maritime.affairs@namria.gov.ph
Republic of Korea	Korea Hydrographic and Oceanographic Agency	+82-51-4004331~4	+82-51-400-4349	ntmkhoa@korea.kr
Singapore	Singapore MRCC, Maritime and	+65-62265539	+65-62279971	pocc@mpa.gov.sg

	Port Authority of Singapore			
Timor Leste	Institution De Defence National	+670 331 0376		militarytechnicalcooperation@gmail.com
Thailand	Hydrographic Department, Royal Thai Navy	+66-2475-2271		hydrotechhdrtn@gmail.com
U.S.A(Guam)	Maritime Domain United States Coast Guard	+1-202-475-3551		navsafty@nga.mil
Viet Nam	Marine Aids to Navigation and Hydrographic Department, Vietnam Maritime Safety - North,South	+84-31-3551817, 0685		vcrsnet_total@vishipei.com.vn

1.3. GMDSS Master Plan:

NAVAREA XI coordinator, Japan, had started its trial operation of Iridium Safety Cast and its actual operation has already operated since 1 March 2023.

2. NAVAREA EGC broadcast and monitoring equipment or software:

2.1. Details of EGC services:

Broadcast Equipment/Software	Broad cast schedule/Satellite	Manufacturer/Location (LES)/Implementation
SafetyNET I	0005 and 1205 UTC	Inmarsat (Operational)
Iridium SafetyCast	0005 and 1205 UTC	Iridium (Operational)
Monitoring Equipment/Software		Manufacturer/Software
JRC JUE-87		Inmarsat
Iridium SafetyCast		Iridium

2.2. NAVTEX:

B₁ 518 kHz	B₁ 490 kHz	NAVTEX Station	Email	Telephone	Status
M		Sanya, China	yjfyhk@nhhb.org.cn	+86 898 68626066	Operational
N		Guangzhou, China	gzrdoxsq@163.net	+86 20 84102403	Operational
O		Fuzhou, China	fztzx @126.com	+86 591 83680690	Operational
Q		Shanghai, China	xsg@shhad.com	+86 21 58555840	Operational
R		Dalian, China	13942603016@163.com	+86 411 82623096	Operational
L		Hong Kong, China	-	+852 22337999	Operational
D		Pyongyang, DPR Korea	mrcc.dprk@star-co.net.kp		Operational
E		Hamhung, DPR Korea			Operational
A		Jayapura, Indonesia	disnavjayapura@yahoo.co.id	+62-967-533834 +62-967-534609	Operational
B		Ambon, Indonesia	disnavambon@outlook.com	+62-911-248771	Operational
D		Makassar, Indonesia	disnav_kelas1_mks@yahoo.co.id	+62-411-3620987 +62-411-3627505	Operational
E		Jakarta, Indonesia	disnav-tgpriok@gmail.com	+62-21-43930070	Operational
K		Kushiro, Japan	jcg-navtex@mlit.go.jp	+81-3-3591-9000	Operational
J		Otaru, Japan	jcg-navtex@mlit.go.jp	+81-3-3591-9000	Operational
I		Yokohama, Japan	jcg-navtex@mlit.go.jp	+81-3-3591-9000	Operational
H		Moji, Japan	jcg-navtex@mlit.go.jp	+81-3-3591-9000	Operational
G		Naha, Japan	jcg-navtex@mlit.go.jp	+81-3-3591-9000	Operational
S		Sandakan, Malaysia	bptbp_labuan@marine.gov.my	+60-87-403-511	Operational
T		Miri, Malaysia	hidrografi@marine.gov.my	+60-82-438-314	Operational
U		Penang, Malaysia	mmcc@marine.gov.my	+60-3-3167-0530	Operational

J		Manila, Philippines	hcgwceiss.operation@coastguard.gov.ph	+632-8527-3877	Operational
V	J	Jukbyeon, Republic of Korea	korea_navtex@kcg.go.kr	+82547502000	Operational
W	K	Byeonsan, Republic of Korea	korea_navtex@kcg.go.kr-	+82639282000	Operational
W		Singapore POCC, Singapore	pocc@mpa.gov.sg	+65-6226-5539	Operational
C		Phetchaburi, Thailand	bangkokradio@nc.ntplc.co.th	+ 66 2956 7025 + 66 2104 7030	Operational
F		Guam, U.S.A	Gilbert.t.paulino@uscg.mil	+1-202-475-3551	Operational
W		Ho Chi Minh Radio, Viet Nam	vnrcsnet_total@vishipel.com.vn tienhoang@vishipel.com.vn	+84-225-3822332 +84-225-3746464	Operational
V		Da Nang Radio, Viet Nam	vnrcsnet_total@vishipel.com.vn tienhoang@vishipel.com.vn	+84-225-3822332 +84-225-3746464	Operational

2.3. Other methods of promulgation:

HF NBDP: China (Tianjin, Guangzhou, Shanghai), Malaysia

3. NAVAREA Metrics

3.1. Coastal Warnings issued by International NAVTEX or EGC coastal warning area:

Country	NAVTEX station name	B1 Character or Coastal Warning Area	Broadcast schedule times UTC (only for EGC)	2022			
				Total number of warnings broadcast	Number of warnings broadcast with a vital priority (NAVTEX) or urgent priority (EGC)	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
China	Sanya	<i>M</i>		76	0	5040	
China	Guangzhou	<i>N</i>		996	17	22992	
China	Fuzhou	<i>O</i>		98	6	1764	
China	Shanghai	<i>Q</i>		3524	217	83430	
China	Dalian	<i>R</i>		2089	106	44376	
China	Hong Kong	<i>L</i>					
D.P.R of Korea	Pyongyang	D		25	0	150	25
D.P.R of Korea	Hamhung	E		0	0	0	0

Indonesia	Jayapura	<i>A</i>					
Indonesia	Ambon	<i>B</i>					
Indonesia	Makassar	<i>D</i>					
Indonesia	Jakarta	<i>E</i>					
Japan	Kushiro	<i>K</i>		435	88	12565	1
Japan	Otaru	<i>J</i>		379	84	9310	1
Japan	Yokohama	<i>I</i>		534	91	14281	3
Japan	Moji	<i>H</i>		877	86	19025	82
Japan	Naha	<i>G</i>		660	85	16543	42
Malaysia	Sandakan	<i>S</i>		88	35	3405	2.42
Malaysia	Miri	<i>T</i>		261	0	1566	1.11
Malaysia	Penang	<i>U</i>		44	127	901	0.641
Philippines	Manila	<i>J</i>		6186	0	6802	14
Republic of Korea	Jukbyeon	<i>V</i>		2000			
Republic of Korea	Byeonsan	<i>W</i>		2000			
Singapore	Singapore POCC	<i>C</i>		830	250	42485	
Thailand	Phetchaburi	<i>F</i>					
Thailand	<i>Donsak</i>	<i>W</i>					
U.S.A	Guam	<i>V</i>					
Viet Nam	Ho Chi Minh	<i>X</i>					
Viet Nam	Da Nang	<i>K</i>					

3.2. NAVAREA Warnings broadcasts:

	<i>2021</i>	<i>2022</i>	<i>2023</i>
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Country	NAVTEX station name	B1 Character or Coastal Warning Area	Broadcast schedule times UTC (only for EGC)	2023			
				Total number of warnings broadcast	Number of warnings broadcast with a vital priority (NAVTEX) or urgent priority (EGC)	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
China	Sanya	<i>M</i>					
China	Guangzhou	<i>N</i>					
China	Fuzhou	<i>O</i>					
China	Shanghai	<i>Q</i>					
China	Dalian	<i>R</i>					
China	Hong Kong	<i>L</i>					
D.P.R of Korea	Pyongyang	<i>D</i>		12	0	80	13
D.P.R of Korea	Hamhung	<i>E</i>		6	0	42	5
Indonesia	Jayapura	<i>A</i>					

Indonesia	Ambon	<i>B</i>							
Indonesia	Makassar	<i>D</i>							
Indonesia	Jakarta	<i>E</i>							
Japan	Kushiro	<i>K</i>		160	31	7828	1		
Japan	Otaru	<i>J</i>		157	29	9614	1		
Japan	Yokohama	<i>I</i>		229	31	6196	2		
Japan	Moji	<i>H</i>		410	29	3794	5		
Japan	Naha	<i>G</i>		315	29	5415	2		
Malaysia	Sandakan	<i>S</i>		47	11	3681	2.620		
Malaysia	Miri	<i>T</i>		71	0	426	0.303		
Malaysia	Penang	<i>U</i>		15	66	443	0.315		
Philippines	Manila	<i>J</i>		641	0	645	1		
Republic of Korea	Jukbyeon	<i>V</i>							
Republic of Korea	Byeonsan	<i>W</i>							
Singapore	Singapore POCC	<i>C</i>		960	281	23679			
Thailand	Phetchaburi	<i>F</i>							
Thailand	<i>Donsak</i>	<i>W</i>							
U.S.A	Guam	<i>V</i>							
Viet Nam	Ho Chi Minh	<i>X</i>							
Viet Nam	Da Nang	<i>K</i>							

Provider	Total number of warnings issued	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes	Total number of warnings broadcast	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes	Total number of warnings broadcast	Total number of warnings broadcast, including repetitions	Broadcast data in megabytes
SafetyNet	428	6933	16	479	5873	15	223	2683	6
SafetyCast	28	28	6	479	5873	15	223	2683	5

3.3. Urgent EGC Warnings: 190
Information on Missile launch, Drift objects, etc

3.4. VITAL Coastal Warnings:679
China : 346
Japan : 94
Malaysia : 239

3.5. In-force warnings.

3.5.1. In-force bulletins issued:

NAVAREA XI Warning Bulletin listing the number of “Inforce Warning” issued during the past 42days is broadcasted at 1205 UTC on every Saturday. We send inforce bulletins by email when mariners request or can find our Navigational Warning on the website for 24/7.

3.5.2. Requests for In-force warnings:

2021	2022	2023
Total	Total	Total
1298	943	326

3.6. Arctic navigational warnings broadcast by HF NBDP.

None

4. Operational Issues:

NAVAREA XI coordinator prepared Operation Manual of NAVAREA XI Warning in January 2012 and sent it to the regional states. We have issued Navigational Warning based on it.

No particular problem has been found until now.

5. National Co-ordinator Communication:

5.1. IRCC Strategic Performance Indicator:

We have good relationship with member states in the region.

5.2. Procedures.

NAVAREA XI obtains information from countries in the region countries via email and the Web etc.

Also, when we receive information from NAVAREA XI countries in the region that pertains to other NAVAREA area, we forward it to the appropriate NAVAREA Coordinator.

6. Contingency Planning:

When a trouble occurs in the system to issue navigational warnings, NAVAREA XI coordinator will send a Navigational Warning message to LES by e-mail.

The operators of the LES will type the message and broadcast it to subject Mobile Earth Stations.

NAVAREA XI coordinator have conducted annual contingency exercise.

The exercise details are as following.

- Disconnect all normal lines in operation room of Navigational Warning.
- Make an e-mail about Navigational Warning.
- Set up mobile internet line, and send the e-mail.
- Confirm that the e-mail arrived in LES.
- Connect all normal lines.
- Test all normal lines.

7. Capacity Building:

There are requests for capacity building from countries in the region, but not all countries have been supported.

Thailand, Virtual Teleconference, May 2022
Brunei Darussalam, Virtual Teleconference, November 2022
Brunei Darussalam, MSI Training, Japan, November 2022

8. Other Activities:

MSC105, Virtual Teleconference, April 2022
NCSR9, Virtual Teleconference, June 2022
WWNWS14, Geneva, Switzerland, September 2022
MSC106, Virtual Teleconference, November 2022
IRCC14, Bali, Indonesia, June 2022

9. NAVAREA Website:

URL:https://www1.kaiho.mlit.go.jp/TUHO/keiho/navarea11_en.html

The website has been updated at any time.

10. NAVAREA Contact Information:

Notices to Mariners Office,
Hydrographic and Oceanographic Department
Japan Coast Guard
3-1-1, Kasumigaseki, Chiyoda-ku, Tokyo 100-8932, Japan
Tel: +81 (0)3 3595 3647
Fax: +81 (0)3 3595 3571
E-mail: keiho@jodc.go.jp
jcg-tuho@navarea11.go.jp

11. Recommendations:

We have heard that Brunei Darussalam, Malaysia and Cambodia have plans to establish New NAVTEX stations in the future.

12. Actions requested:

None

13. Summary:

- (1) Iridium SafetyCAST has already operated since 1 March 2023.
- (2) No other significant changes since the WWNWS14 report.

Annex:

A. Self Assessment Spreadsheet