

MSI Self Assessment NAVAREA XVII & XVIII

Submitted by CANADA / Canadian Coast Guard

SUMMARY

Executive Summary: Synopsis of activities within NAVAREA XVII and XVIII since WVNWS-7

Action to be taken: Please note the report

Related documents: None

1. Background:

NAVAREA XVII boundary limits:

67° 00' .00N 168° 58' .00W

90° 00' .00N 168° 58' .00W

90° 00' .00N 120° 00' .00W

south to the Canadian coastline along the 120° 00' .00W meridian;

NAVAREA XVIII boundary limits:

A position on the Canadian coastline at the 120° 00' .00W meridian to:

90° 00' .00N 120° 00' .00W

90° 00' .00N 035° 00' .00W

67° 00' .00N 035° 00' .00W

Scheduled Broadcast Times		
NAVAREA	Ocean Region	(UTC)
XVII	POR	1130 and 2330
XVIII	AOR-W	1100 and 2300
HF NBDP - NAV/METAREA XVII & XVIII		0330 and 1530

During the Arctic navigational season, NAVAREA warnings and METAREA information are broadcast twice daily by means of HF Narrow Band Direct Printing (NBDP) on the 8 MHz (8416.5 kHz) maritime safety information (MSI) frequency for some arctic waters in the Canadian Search and Rescue Region which are not covered by the INMARSAT SafetyNET service.

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

COUNTRY	INSTITUTION	TELEPHONE	FACSIMILE	EMAIL
Canada	Coast Guard	613-925-4471	613-925-4519	navarea17.18@innav.gc.ca

2. Comments:

GMDSS Master Plan:

The most recent updates to the GMDSS Master Plan (GMDSS.1/Circ18) were submitted on February 11, 2016. Several of these updates reflect the fact that, with MCTS Centre Consolidation, different MCTS Centres now control NAVTEX transmitters. We also identify the NAVTEX transmitters by their actual site location.

Specifics of equipment used and software version:

Equipment Type	Software Version	Date of Up-date
Inmarsat-C	easyMAIL 1.15	
Thrane & Thrane Sailor TT-3026/s maritime mini-c easyTrack transceivers	Build 27	2008-09-16
HF-NBDP Equipment	Brand	Model
Transmitter	Harris (5KW)	RF-1165A
Antenna (Broadband Dipole)	Andrew	1765
Receiver	Harris	RF-590A
Antenna (Quadrature Fed Loop Antenna)	TCI	625L
DSC2 Workstation Version 2.6 (1996-2002)	ICS Electronics	

Specifics of information and data received:

NAVAREA XVII:

2013				2014				2015			
E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text
52	0	2	0	88	0	0	0	87			

NAVAREA XVIII:

2013				2014				2015			
E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text
69	0	0	0	123	0	0	0	98			

Arctic NAVAREAs Promulgated:

The number of messages issued via SafetyNET and HF NBDP:

	2011	2012	2013	2014	2015
NAVAREA XVII	142	127	107	144	140
NAVAREA XVIII	197	155	125	177	154
HF-NBDP XVII*	94	94	70	114	98
HF-NBDP XVIII*	131	111	84	142	102

*Iqaluit MCTS Centre's HF-NBDP broadcast numbers are lower given that these broadcasts are only available during the Arctic navigational season.

The number of NAVAREA warnings identified as immediate priority (requiring transmission within 30 minutes) and the average elapsed time per broadcast via SafetyNET:

	2013		2014		2015	
	Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
XVII	0	0 Mins	27	69 Mins	18	26 Mins
XVIII	0	0 Mins	29	68 Mins	21	26 Mins

Specifics of requests for list of in-force navigations warnings:

	2015		2016	
	Total	E-mail	Total	E-mail
XVII	0	0		
XVIII	0	0		

3. NAVTEX Coverage:

The one NAVTEX transmitter located in Iqaluit, Nunavut (63 43N 68 33W) is operated by Iqaluit Marine Communications and Traffic Services (MCTS) Centre on a seasonal basis and provides very limited coverage into NAVAREA IV. The Canadian Coast Guard has no plans to expand its NAVTEX coverage for Arctic waters.

The Danish Maritime Authority has three operational NAVTEX transmitters in West Greenland located at: Upernavik [I], Simiutaq [M] and Igdlutaligssuaq (NUUK) [W].

Canada is currently reviewing its International NAVTEX Service in order to define Coverage and Service Areas for each transmitter. We have completed work on the west coast and are assisting the two regions along the east coast with inter-regional discussions on how to establish their Coverage/Service areas. A final report will be submitted to the Chairman, IMO NAVTEX Coordinating panel once all regions have concluded their reviews.

Canadian NAVTEX Stations and Contact details:

NAVTEX Transmitter	Ident	Position	Controlled by	Telephone
Robin Hood Bay	O	47°36'N 52°40'W	Placentia MCTS	709-227-2182
Cartwright	X	53°42'N 57°01'W	Labrador MCTS	709-896-2252
Port Caledonia	Q	46°11'N 59°54'W	Sydney MCTS	902-564-7751
Chebogue	U	43°45'N 66°07'W	Halifax MCTS	902-426-9750
Moisie	C	50°15'N 66°10'W	Les Escoumins MCTS	418-233-2194
Pass Lake	P	48°34'N 88°39'W	Sarnia MCTS	519-336-4003

NAVTEX Transmitter	Ident	Position	Controlled by	Telephone
Ferndale	H	44°56'N 81°14'W	Prescott MCTS	613-925-4471
Iqaluit	T	63°43'N 68°33'W	Iqaluit MCTS	867-979-0310
Amphitrite Point	H	48°55'N 125°32'W	Prince Rupert MCTS	250-627-3074
Digby Island	D	54°17'N 130°25'W		

4. Operational Issues:

Iqaluit MCTS Centre reports the Iqaluit NAVTEX transmitter is operating intermittently (XVIII 79/2016 refers). The software running the NAVTEX broadcast occasionally skips a broadcast sequence. Technicians from the Canadian Coast Guard and the software company are working to resolve this issue; no estimated time to repair. NAVAREA IV has offered to broadcast coastal warnings.

Details of MSI information received from coastal states within the NAVAREA and typical topics/subjects:

NAVAREA XVII:

Coastal State/Country	Number of MSI messages	Topics/Subjects of messages
Canada – CCG Ops	1	Rocket launch
Canada – CCG AtoN	10	Aids to navigation
Canada – MCTS Iqaluit	67	Radio services
French Guiana	2	Rocket Launch
Japan - Jamstec	4	Survey operations
Canada - CCGS	3	Scientific moorings

NAVAREA XVIII:

Coastal State/Country	Number of MSI messages	Topics/Subjects of messages
Canada – CCG AtoN	11	Aids to navigation
Canada – MCTS Iqaluit	76	Radio services
Canada – CHS	6	Shoals
Canada - Parks	2	Exclusion zone
Canada - CCGS	4	Scientific moorings

CCG Ops = Canadian Coast Guard, Operations Directorate

CCG AtoN = Canadian Coast Guard, Aids to Navigation program

CCGS = Canadian Coast Guard ship

CHS = Canadian Hydrographic Services

Parks = Parks Canada

- No new infrastructure in accordance with GMDSS Master Plan.
- No new problems encountered.

A NAVAREA “In Force Warning” bulletin is issued once weekly. Any “In Force” warning messages more than 42 days old are found on the Canadian Coast Guard website or can be requested by email.

- The complete text of all In-Force NAVAREA XVII and XVIII warnings found on the Canadian Coast Guard website: <http://www.ccg-gcc.gc.ca/eng/ccg/notship-home>
- These may also be requested by email from the NAVAREA Operations desk at: NAVAREA17.18@INNAV.gc.ca

The information on how to find these warnings is promulgated as part of the text of the “In Force” bulletin.

5. Quality Management Survey

NAVAREA	ISO 9001 -2008	Promulgate “In-Force” Bulletins	Promulgate “No-Warning” Messages	Monitor Broadcast	24/7 contact information provided	Promulgate two scheduled broadcasts	IMO Master Plan updated
XVII/XVIII	NO	YES	YES	YES	YES	YES	YES

6. Contingency Planning

NAVAREA XVII/XVIII, operational since 1 July 2011 is operated from a single location. All equipment is fully redundant and a business continuity plan is in place.

Requests for broadcast assistance from the adjacent NAVAREA IV and NAVAREA XII coordinator would be sought for times when the NAVAREA desk would not be accessible by our staff. As Search and Rescue transmissions over SafetyNET are also provided from the same location using a different satellite communications service provider, this could be used as contingency. Request for assistance from METAREA XVII/XVIII is another option as a contingency measure.

7. Capacity Building:

None required.

8. Other Activities:

No participation in other IHO or IMO Working Groups, Regional Hydrographic Commissions, Regional conferences over this past year.

9. NAVAREA Website:

Website: WWW.CCG-GCC.GC.CA/ENG/CCG/NOTSHIP_HOME

- The website is updated shortly after the initial broadcast of a new NAVAREA warning.
- Mariners can search Broadcast Warnings for a specific NAVAREA or both NAVAREAs and may also select a broadcast period using the drop-down calendar.
- Mariners can search a list of the In-force Bulletins.

- The website does not display the date/time of the last update.
- Statistics are available by email request only.

10. NAVAREA Coordinator Contact Information:

Lucia F. Bakker
Operational Support - Canadian Coast Guard
Centennial Towers
200 Kent Street
Ottawa, Ontario K1A 0E6
Canada

Administrative matters:

Telephone: 613-990-7572
E-mail: lucia.bakker@dfo-mpo.gc.ca

Operational matters: NAVAREA Desk (24/7):

Telephone: 613-925-4471
Facsimile: 613-925-4519
E-mail: navarea17.18@innav.gc.ca

11. Recommendations:

None

12. Actions requested:

Note the information provided

13. Summary:

The NAVAREA XVII/XVIII Coordinator introduced Canada's Self-Assessment Report, noting that all NAVAREA warnings are posted to the Canadian Coast Guard website upon issuance. She noted that technicians are working to address the intermittent broadcast anomaly of the Iqaluit NAVTEX transmitter. She concluded that Canada is working to complete the necessary inter-regional discussions for the establishment of formal Coverage and Service Areas for all NAVTEX transmitters.