

MSI Self-Assessment NAVAREA XVII & XVIII

Submitted by Canada

SUMMARY

Executive Summary: Synopsis of activities within NAVAREA XVII and XVIII since WWNWS5

Action to be taken: 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	1130UTC and 2330UTC
XVIII	AOR-W	1100UTC and 2300UTC
HF NBDP - NAV/METAREA XVII & XVIII		0330UTC and 1530UTC

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

2. Comments:

Canada last updated the GMDSS Master Plan in the fall of 2013. Changes to various Annexes are being compiled and should be submitted to IMO by August 15, 2014.

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	

NAVAREA XVII

2011				2012				2013			
E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text
86	0	4	12	80	0	1	2	52	0	0	3

NAVAREA XVIII

2011				2012				2013			
E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text
128	0	2	27	108	0	0	3	69	0	0	3

In-force messages*	2011	2012	2013
NAVAREA XVII	40	44	52
NAVAREA XVIII	40	44	53

* Due to an internal procedural requirement, Canada also tracks the number of In-Force messages generate by the NAVAREA desk. The numbers don't match the number of weeks in a year due to a change in the procedures in 2012.

NAVAREA*	2011		2012		2013	
	Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
XVII	0	0 Mins	0	0 Mins	0	0 Mins
XVIII	1	54 Mins	0	0 Mins	0	0 Mins

* Canada rarely has navigational information requiring immediate broadcast.

* Although Canada broadcasts Iqaluit Marine Communications and Traffic Services (MCTS) Centre facility outages immediately, these are not given the Urgent priority.

3. NAVTEX Coverage:

The one NAVTEX station 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 limited coverage in NAVAREA XVIII (see Figure 1).

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].

Operational Points of Contact:

COUNTRY	TELEPHONE	FACSIMILE	EMAIL
Canada	867-979-5269	867-979-4264	iqanordreg@innav.gc.ca
MRCC Groennedal	+299 691911	+299 691949	mrcc@glk.gl

4. Operational Issues:

	2011	2012	2013
NAVAREA XVII	142	127	107
NAVAREA XVIII	197	155	125
HF-NBDP XVII	94	94	70
HF-NBDP XVIII	131	111	84

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 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 in almost real time	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 and XVIII became fully operational on July 1, 2011 and are 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 and XVIII is another option as a contingency measure.

7. Capacity Building:

NIL

8. Other Activities:

Attendance at the WWNWS-5 committee meeting held during the fall of 2013.
Provided appropriate inputs to support the Canadian Delegation at IMO – NCSR1

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: bakkerl@dfo-mpo.gc.ca

Operations: NAVAREA desk (24/7):

Telephone: 613-925-4471

Facsimile: 613-925-4519

E-mail: navarea17.18@innav.gc.ca

11. Recommendations:

Nil

12. Actions requested:

Note the information provided

13. Summary:

The NAVAREA XVII and XVIII desk is in its 4rd year of operation, providing a year round SafetyNET broadcast and coordination service.

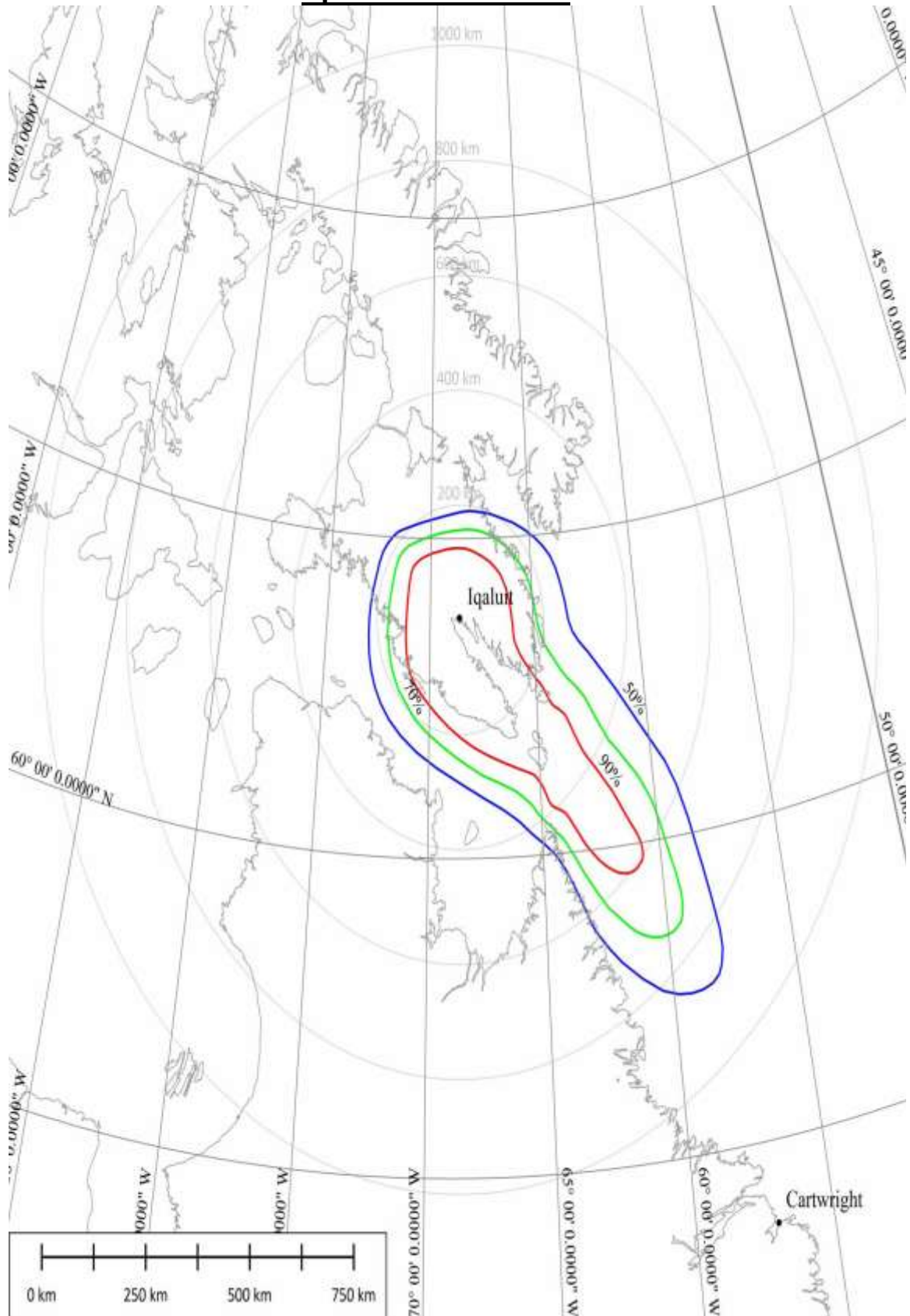
Broadcasts are made twice a day for each NAVAREA.

A weekly In-force Bulletin message is also transmitted.

NAVAREA warnings are posted on the Canadian Coast Guard website in near real time.

NAVAREA warnings and METAREA information are also transmitted over HF-NBDP, on 8416.5 kHz, twice daily on a seasonal basis.

Iqaluit MCTS Centre¹



¹ Predicted ground wave coverage computed for specified time availability (50, 70 and 90%).