

**MSI Self Assessment NAVAREAs XVII & XVIII**

Submitted by Canada

**SUMMARY**

Executive Summary: Overview of planning activities in preparation for the start of the live testing period prior to declaring NAVAREAs XVII and XVIII operational by 2011

Action to be taken: See Paragraph 11

Related documents: Narrow Band Direct Printing Coverage Chart

1. Background

Arctic NAVAREAs XVII and XVIII will be provided via rectangular area addressing boundaries for Arctic NAVAREAs until the modification and inclusion of the Arctic NAVAREAs boundary limits are incorporated into the Inmarsat System Definition Manual.

**Rectangular Area Addressing Boundaries for Arctic NAVAREAs**

**CANADA - NAVAREAs XVII** (navigational warnings broadcast on the AOR-W and E satellites)

EASTERN Boundary:

67-50N 103-00W TO  
68-43N 103-00W TO  
70-36N 103-00W TO  
75-41N 103-00W TO  
76-26N 103-00W TO  
78-08N 103-00W TO  
78-58N 103-00W TO  
90-00N 103-00W.

WESTERN Boundary:

69-35N 178-00E TO  
90-00N 178-00E.

SOUTHERN Boundary:

62-20N 165-30W TO  
62-20N 175-00E.

**CANADA - NAVAREA XVIII** (navigational warnings broadcast on the POR satellite)

EASTERN Boundary:  
75-00N 005-00W TO  
90-00N 005-00W.

WESTERN Boundary:  
70-05N 143-15W TO  
90-00N 143-15W.

SOUTHERN Boundary:  
62-30N 092-20W TO  
62-30N 084-00W TO  
62-30N 082-30W TO  
62-30N 077-50W TO  
62-30N 076-10W TO  
62-30N 068-10W TO  
62-30N 066-15W TO  
62-30N 050-15W TO  
62-30N 042-00W TO  
62-30N 035-00W.

Satellite SafetyNet broadcast service provider to be confirmed.

Live testing to start in January 2010; full operational status in 2011.

Schedule to be confirmed by PRNW chairman and will be of 2 broadcasts per day.  
No warning messages will be broadcast

Weather broadcasts will be undertaken by Environment Canada. Live testing is planned to begin in May 2010.

Navigational warnings and weather information will be broadcast by means of HF Narrow Band Direct Printing (NBDP) for SEA Area A4 during navigational season on the frequencies 8,414.5 KHz and 12,577 KHz for areas within the limits of the Canadian Search and Rescue Region (SRR).

**Iqaluit Centre broadcast schedules:**

<b>Broadcast Time (UTC)</b>	<b>Frequency</b>	<b>Area</b>	<b>Broadcast During Period</b>
0320 and 1520	8,414.5 KHz	Eastern Arctic and High Arctic	Mid-June to late November
0920 and 2120	12,577 KHz	Western Arctic	Mid-June to late November

2. Comments

Nil

3. NAVTEX Coverage

There is currently no NAVTEX service in NAVAREAs XVII and XVIII.

4. Operational Issues

Canada will be monitoring its NAVAREA transmissions by means of Inmarsat Mini-C terminals for the 3 ocean regions involved.

5. Quality Management Survey

NAVAREA	ISO 9001 - 2000	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 and XVIII	N/A	N/A	N/A	N/A	N/A	N/A	N/A

6. Capacity Building

NAVAREAs IV and XXII coordinator to provide operational training in the fall of 2009.

7. Other Activities

Nil

8. NAVAREA Website

Canada will have a NAVAREA Website available in time for full operational status.

9. NAVAREA Contact Information

NAVAREAs XVII and XVIII:

Manager, Marine Communications and Traffic Services  
Canadian Coast Guard  
Fisheries and Oceans Canada  
200 Kent Street  
Ottawa, ON  
Canada K1A 0E6

Telephone: +1-613-990-3031  
Facsimile: +1-613-996-8902  
E-mail: [Mctsetmottawa@dfo-mpo.gc.ca](mailto:Mctsetmottawa@dfo-mpo.gc.ca)

24/7 NAVAREAs XVII and XVIII:

MCTS Operations  
Canadian Coast Guard  
Prescott MCTS Centre  
P.O. Box 1000  
401 King Street West  
Prescott, ON K0E 1T0  
Canada

Telephone: +1-613-925-0618  
Facsimile: +1- 613 925-4519  
E-mail: to be determined

10. Recommendations

Nil

11. Action Requested

WWNWS is invited to consider this report.

12. Synopsis

Canada highlighted its plans to have NAVAREAs XVII and XVIII SafetyNet broadcast in live testing status by January 2010 and in full operational status by 2011. Canada will also do live testing broadcasts of navigational warnings and meteorological information in Sea Area A4 for Arctic waters that fall under its Search and Rescue Region during the 2009 navigational season. It is expected that NBDP coverage for the Western portion of NAVAREA XVII will be provided by the United States from facilities currently providing an HF NBDP Maritime Safety Information Service.

# Narrow Band Direct Printing Coverage Chart

