

**MSI Self Assessment NAVAREAs XVII and XVIII**

Submitted by *Canada*

**SUMMARY**

Executive Summary: Summary of activities within NAVAREAs XVII and XVIII since WWNWS-11.

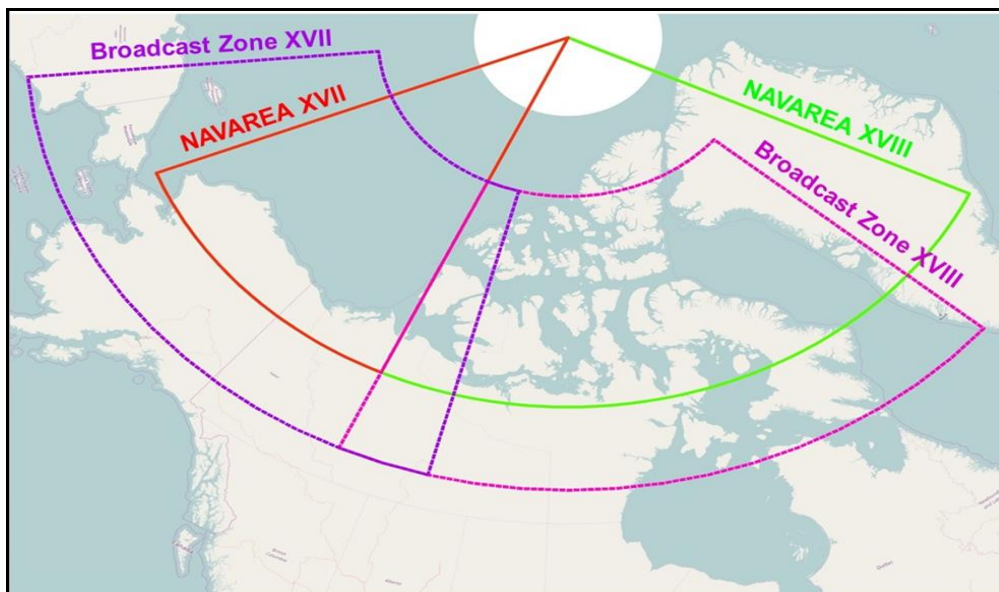
Action to be taken: Note the report.

Related documents:

1. Background:

The limits of NAVAREAs XVII and XVIII and their associated rectangular broadcast zones for SafetyNET II are as noted/depicted below.

NAVAREA XVII	Broadcast Zone	NAVAREA XVIII	Broadcast Zone
67°00N 168°58W 90°00N 168°58W 90°00N 120°00W Thence, south to the Canadian coastline along the 120°00W meridian.	82°00N 175°00E 82°00N 120°00W 62°00N 120°00W 62°00N 175°00E	A position on the Canadian coastline at the 120°00'.00W meridian to: 90°00N 120°00W 90°00N 035°00W 67°00N 035°00W	82°00N 120°00W 82°00N 035°00W 62°00N 035°00W 62°00N 120°00W



Canada provides an HF-NBDP supplemental SafetyNET Service from Iqaluit on a navigational season basis.

Schedule of INMARSAT EGC and HF-NBDP broadcasts:

<b>Time (UTC)</b>	<b>System</b>	<b>Frequency / Satellite</b>
0330	HF-NBDP	8416.5 kHz*
1100	NAV XVIII	AOR-W / AOR-E
1130	NAV XVII	AOR-W / AOR-E
1530	HF-NBDP	8416.5 kHz*
2300	NAV XVIII	AOR-W / AOR-E
2330	NAV XII	AOR-W / AOR-E

\*HF NBDP available from mid-May to mid-December (navigational season)

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

<b>COUNTRY</b>	<b>INSTITUTION</b>	<b>TELEPHONE</b>	<b>FACSIMILE</b>	<b>EMAIL</b>
Canada	Iqaluit MCTS	867-979-5724	867-979-4264	iqanordreg@innav.gc.ca
Canada	MRCC Groennedal	299-691911	299-691949	mrcc@glk.gl

2. Comments:

Canadian content in GISIS (Global GMDSS Masterplan) is accurate as of July 21<sup>st</sup>, 2020.

<b>Equipment Type</b>	<b>Software Version</b>	<b>Date of Up-date</b>
Sailor TT-3026/s maritime mini-c	Build 27	2008-09-16
HF-NBDP Equipment	Prescom	2017-06-15
Transmitter SELEX 5kW	ST5000M	2017-06-15

NAVAREA XVII (data received via):

<b>2017</b>				<b>2018</b>				<b>2019</b>			
E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text
79	-	-	-	77	-	-	-	73	-	-	-

NAVAREA XVIII (data received via):

<b>2017</b>				<b>2018</b>				<b>2019</b>			
E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text	E-mail	Fax	Phone	Text
93	-	-	-	101	-	-	-	99	-	-	-

NAVAREA XVII (Number of message messages promulgated over 3yr period)

2017		2018		2019	
SafetyNET	130	SafetyNET	140	SafetyNET	127
SafetyCast	n/a	SafetyCast	n/a	SafetyCast	n/a
*HF NBDP	37	HF NBDP	28	HF NBDP	43

\*Iqaluit HF NBDP is operational from mid-May to mid-December (navigational season).

NAVAREA XVIII (number of messages promulgated over 3yr period)

2017		2018		2019	
SafetyNET	145	SafetyNET	156	SafetyNET	152
SafetyCast	n/a	SafetyCast	n/a	SafetyCast	*test
*HF NBDP	116	HF NBDP	105	HF NBDP	73

\*Iqaluit HF NBDP is operational from mid-May to mid-December (navigational season).

NAVAREA XVII and XVIII are both broadcasting over AOR(W) and AOR(E).

NAVAREA XVII (# issued with immediate priority/transmitted within 30 minutes)\*\*

2017		2018		2019	
Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
16	40 Mins	0	0 Mins	xx	xx.x Mins
*n/a	n/a	n/a	n/a	n/a	n/a

\*NAVAREAs XVII and XVIII did not trial the SafetyCast system during these years.

NAVAREA XVIII (# issued with immediate priority/ transmitted within 30 minutes)\*\*

2017		2018		2019	
Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
19	33 Mins	0	0 Mins	xx	xx.x Mins
*n/a	n/a	n/a	n/a	n/a	n/a

\*NAVAREAs XVII and XVIII did not trial the SafetyCast system during these years.

Canada recently reviewed the broadcast priorities assigned to navigational warnings for NAVAREAs XVII and XVIII. For clarification, NAVAREA warnings are broadcast during the allocated schedule; we rarely assign the urgency priority.

NAVAREAs XVII and XVIII have EGC Certification via the IMO EGC Coordinating Panel.

NAVAREAs XVII and XVIII has recently signed a formal contractual agreement with Iridium and recently received a SafetyCast training session. Centre staff are receiving training and initial testing has commenced. We anticipate using SafetyCast in an Initial Operating Condition commencing October 1<sup>st</sup>, 2020.

Number of requests for list of in-force navigational warnings:

2017		2018		2019	
Total	E-mail	Total	E-mail	Total	E-mail
0		0		0	

3. NAVTEX Coverage:

There are no NAVTEX transmitters located in NAVAREAs XVII and XVIII. In 2020 Canada declared Service Areas for all ten NAVTEX transmitters. As such, the Iqaluit transmitter will not broadcast any MSI information located above 67°N. The Canadian Coast Guard has no plans to expand NAVTEX coverage into Arctic waters.

4. Operational Issues:

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

Coastal State/Country	# of MSI messages	# of MSI messages	Topics/Subjects of messages
	XVII	XVIII	
Canada – CCG Ops	2	2	NORDREG
Canada – MCTS Iqaluit	5	10	Aids to navigation
	45	62	Radio services
Canada – French CNES	5	2	Rocket Launch
Canada – CCGS	14	11	Scientific moorings
Canada – DFO		9	Canada Hydrographic Services
Inmarsat	2	2	Satellite Migration
Weekly	54	54	

No new infrastructure has been established in accordance with GMDSS Master Plan which was updated in GISIS as of the date of this submission.

The following issues with GMDSS infrastructure were reported in 2019:

HF-NBDP Transmitter	Off Air	On Air	Duration (HH:MM)
Iqaluit	05 201615 UTC	05 211615 UTC	24:00
	05 240320 UTC	05 241245 UTC	9:25
	11 241720 UTC	11 241915 UTC	1:55
<b>Total:</b>			35:15

Each NAVAREA issues an “In Force Warning” bulletin once a week. 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 NAVAREA XVII and XVIII broadcast warning messages can be found on the Canadian Coast Guard website:

<http://inter-w02.ccg-gcc.gc.ca/e0004476?todo=warning>

The List of NAVAREA XVII and XVIII in-force messages can be found on the Canadian Coast Guard website:

<http://inter-w02.ccg-gcc.gc.ca/e0004476?todo=warning-list>

These may also be requested by email from the NAVAREA Operations desk at:

[NAVAREA17.18@INNAV.gc.ca](mailto: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	Certificates for all recognised service providers	IMO Master Plan updated
XVII XVIII	NO	YES	YES	YES	YES	YES	YES	YES

#### 6. Contingency Planning

NAVAREA XVII\_XVIII has not conducted contingency exercises since March 2018.

#### 7. Capacity Building:

There have been no formal requests for MSI training in Canada.

#### 8. Other Activities:

- a) Liaised with Canada Hydrographic Services (Regional Hydrographic Commission) and provided updates on the Canadian maritime safety information published in C55.
- b) Attended IMO’s NCSR-7 as a member of the Canadian delegation with a focus on the GMDSS Radiocommunications Systems.
- c) Attended WWNWS – Draft Working Group, 18th session.
- d) Vice Chair and participant of the EGC API Correspondence Group.
- e) Participant in the Iridium MSI Operational Planning Correspondence Group.
- f) Participate in the WWNWS S-124 Working Group.

- g) Arranged / participated in the NAVAREA XVII\_XVIII SafetyCast training session.

9. NAVAREA Website:

The NAVAREA website provides two unique links, one for the full text warnings and one for the 'in-force' bulletins. There is currently no capacity to provide either statistics or a download option and we do not indicate the date/time of the latest update.

10. NAVAREA Contact Information:

NAVAREA XVII & XVIII **Operational Desk** (available 24/7)

Prescott MCTS Centre

Telephone: +1 613 925-0666

Facsimile: + 1 613 925-4519

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

NAVAREA XVII & XVIII **Coordinator** (business hours)

Lucia Bakker

Operational Support

Canadian Coast Guard

Centennial Towers

200 Kent Street, Ottawa

Ontario K1A 0E6

Tel: + 1 613 323-6499

E-mail: Lucia.Bakker@dfo-mpo.gc.ca

11. Recommendations: None.

12. Actions requested: Note this report.

13. Summary:

With the recent establishment of NAVTEX Service Areas, the Iqaluit NAVTEX transmitter is no longer captured in this document as only MSI impacting areas South of 67°N is broadcast by this transmitter.

NAVAREA XVII\_XVIII staff have received training on the SafetyCast web application and will commence Initial Operating Conditions effective October 1<sup>st</sup>, 2020.

A new project is anticipated to commence this fall which will add the NAVAREA function into the Canadian Coast Guard's National Navigational Warning (NAVWARN) Issuing System (NIS) as a unique module. This will simplify the navigational warning issuing process and modernize the display of NAVAREA warnings, including the option to download information directly from the website.