

**MSI Self Assessment National Coordinator Within NAVAREA XI**

Submitted by China

**SUMMARY**

Executive Summary: Synopsis of Activities of China since WWNWS8

Action to be taken: Note Report

Related documents: None

1. Background:

On behalf of National Coordinator, the Maritime Safety Administration of China(China MSA) is in charge of promulgating and disseminating maritime safety information.

There are 8 coast radio stations in total in China that transmit MSI in their particular sea areas.

International and national NAVTEX coverage out to 100nm~500nm from Chinese coastline is passed from the Coast Radio Stations at Dalian(R),Tianjin(S),ShangHai(Q), Fuzhou(O),Guangzhou(N&G), Zhanjiang(D),Sanya(M) and Hongkong(L)

SafetyNet Satellite: None

(1)Operational Points of Contact for National Co-ordinator of China

COUNTRY	INSTITUTION	TELEPHONE	FACSIMILE	EMAIL
CHINA	Maritime Safety Administration of China	+86 10 65292325	+86 10 65292465	warning@msa.gov.cn

(2) Each coast station broadcasts multiple forms of MSI as listed in the table below, and all MSI should be broadcasted on schedule.

Station	SAR Information (Y/N)	Navigational Warning (Y/N)	Meteorological Warning		Meteorological Forecast		
			Weather Warning CY/N)	Sea Conditions Warning (Y/N)	Weather Forecast (Y/N)	Sea Conditions Forecast (Y/N)	Ice Information (Y/N)
Dalian	Y	Y	Y	N	Y	N	N
Tianjin	Y	Y	Y	N	Y	N	Y
Shanghai	Y	Y	Y	Y	Y	Y	N
Fuzhou	Y	Y	Y	N	Y	N	N
Sanya	Y	Y	Y	N	N	N	N
Guangzhou	Y	Y	Y	Y	Y	Y	N

(3) Broadcasting modes of each station is as follows:

STATION	NAVTEX (Y/N)	Safety NET (Y/N)	VHF (Y/N)	FEC (Y/N)	MORSE CY/N)	SSB (Y/N)
Dalian	Y	N	N	N	N	Y
Tianjin	Y	N	Y	Y	Y	Y
Shanghai	Y	N	Y	Y	Y	Y
Fuzhou	Y	N	Y	N	N	Y
GuangZhou	Y	N	Y	Y	N	Y
Sanya	Y	N	Y	Y	N	Y

In addition to the broadcasting modes mentioned above, Tianjin coast station started to provide MSI broadcasting service by BeiDou Safety Information Transmitting System since the 1st October 2016. This system is based on BeiDou Satellite Navigation System and self-developed software. It provides a capability to transmit MSI from SCCBD-ZH-1 BeiDou conducting machine to shipborne terminal systems within the coverage of BeiDou satellite. From

October 2016 to July 2017, 708 MSI transmitted by this system.

2. Comments:

(1) The equipments of Chinese coast radio stations are as follows:

EQUIPMENT TYPE	SOFTWARE VERSION	DATE OF UP-DATE
NAVTEX 518 kHz/4209.5kHz/486kHz	N/A	N/A
MSI via VHF and SSB Broadcast	N/A	N/A

(2) Specifics of information and data received

Station	2014				2015				2016			
	Email	Fax	Phone	Text	Email	Fax	Phone	Text	Email	Fax	Phone	Text
Dalian		1719				1573				1639		
Tianjin		1774				1602				1594		
Shanghai		4123				4078				3619		
Fuzhou		222				122				118		
Guangzhou		811				770				671		
Sanya		106				79				130		
Total		8755				8224				7771		

(3) Warnings identified as immediate priority (requiring transmission within 30 minutes):

2014		2015		2016	
Total	Average elapsed time	Total	Average elapsed time	Total	Average elapsed time
N/A	N/A	N/A	N/A	N/A	N/A

All the navigation warnings we received as VITAL and IMPORTANT priority will be promulgated in the present and be repeated in each scheduled broadcast time slot.

3. NAVTEX Service:

(1) Operational Points of Contact for Coast Stations of China

STATION	TELEPHONE	FACSIMILE	EMAIL	OPERATIONAL STATUS
Dalian	+86 411 82623096	+86 411 82626051	-	Operational
Tianjin	+86 22 66706037	+86 22 66706006	tianjinradio@163.com	Operational
Shanghai	+86 21 58555840	+86 21 58556478	wangbc@shmsa.gov.cn	Operational
Fuzhou	+86 591 83680690	+86 591 83680690	-	Operational
Guangzhou	+86 20 84102403	+86 20 84428954	gzxsq@gzrdo.com	Operational
Zhanjiang	+86 759 2370526	-	-	Out of service
Sanya	+86 898 88272063	+86 898 88257841	-	Operational
Hongkong	+852 22337999	+852 25417714	-	Operational

Because of damage posed by terrible typhoon, the current situation of Zhanjiang NAVTEX Station has been out of service since the end of 2015. As an alternative, National Navigational Warnings are broadcasted by Guangzhou radio station instead.

In order to recover the function of Zhanjiang NAVTEX Station, the department in charge has already been working for facility maintenance. It is expected that it will recover in 2019 at the earliest.

## (2) NAVTEX Coverage:

### International NAVTEX Service on 518KHz

STATION	LOCATION	COVERAGE (NM)	TRANSMITTER ID. CHARACTER	SCHEDULE (UTC)
Dalian	38-50.69N/121-31.09E	400	R	0250, 0650, 1050, 1450, 1850, 2250
Shanghai	31-06.79N/121-32.79E	250	Q	0240, 0640, 1040, 1440, 1840, 2240
Fuzhou	25-59.96N/119-26.50E	200	O	0220,0620, 1020, 1420, 1820, 2220
Guangzhou	23-09.56N/113-30.80E	150	N	0210, 0610, 1010, 1410, 1810, 2210

Sanya	18-17.49N/109-21.80E	200	M	0200, 0600, 1000, 1400, 1800, 2200
Hongkong	22-12.57N/114-15.30E	400	L	0150, 0550, 0950, 1350, 1750, 2150

**International NAVTEX Service on 4209.5KHz**

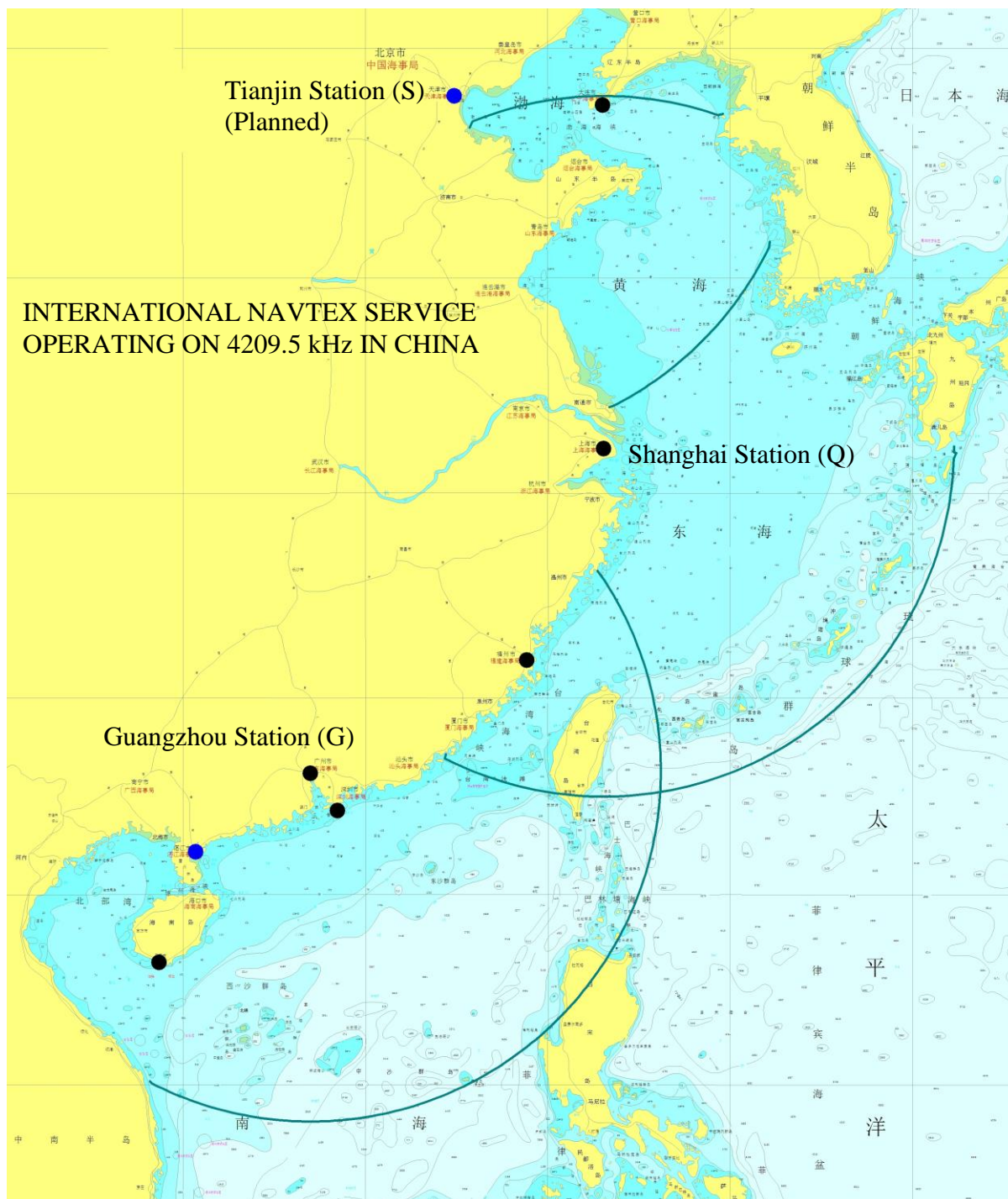
<b>STATION</b>	<b>LOCATION</b>	<b>COVERAGE (NM)</b>	<b>TRANSMITTER ID. CHARACTER</b>	<b>SCHEDULE (UTC)</b>
Shanghai	31-06.79N 121-32.79E	500	Q	0240, 0640, 1040, 1440, 1840, 2240
Guangzhou	23-09.56N 113-30.80E	500	G	0100, 0500, 0900, 1300, 1700,2100,
Tianjin (Planned)	39-02.39N 117-26.95E	500	S	0300, 0700, 1100, 1500, 1900, 2300

**National NAVTEX Service on 486KHz**

<b>STATION</b>	<b>LOCATION</b>	<b>COVERAGE (NM)</b>	<b>TRANSMITTER ID. CHARACTER</b>	<b>SCHEDULE (UTC)</b>
Dalian	38-50.69N 121-31.09E	400	R	0050, 0450, 0850, 1250, 1650, 2050
Tianjin	39-02.39N 117-26.95E	100	S	0300, 0700, 1100, 1500, 1900, 2300
Shanghai	31-06.79N 121-32.79E	250	Q	0040, 0440, 0840, 1240, 1640, 2040
Fuzhou	25-59.96N 119-26.50E	200	O	0320, 0720, 1120, 1520, 1920, 2320
Guangzhou	23-09.56N 113-30.80E	150	N	0010, 0410, 0810, 1210, 1610, 2010
Zhanjiang	21-09.58N 110-21.8E	200	D	0010, 0410, 0810, 1210, 1610, 2010
Sanya	18-17.49N 109-21.80E	200	M	0000, 0400, 0800, 1200, 1600, 2000

INTERNATIONAL NAVTEX SERVICE  
OPERATING ON 518 kHz IN CHINA









#### 4. Operational Issues:

Quantity of MSI broadcasted by each station within the year of 2016 and the topics of these messages:

Station	Number of Navigational Warning	Topics/Subjects of Messages
Dalian	1639	Obstruction to navigation, Maritime operations, the status of Aids to Navigation, gunnery exercises, port construction operations, distress, search and rescue, weather warning, cancel previous navigation warning, surface and underwater operations, fog signals, ice information, etc..
Tianjin	1594	
Shanghai	3619	
Fuzhou	118	
Guangzhou	671	
Sanya	130	

#### 5. Quality Management Survey

Station	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
Dalian	NO	-	YES	YES	YES	-	YES
Tianjin	NO	-	YES	YES	YES	-	YES
Shanghai	NO	-	YES	YES	YES	-	YES
Fuzhou	NO	-	YES	YES	YES	-	YES
Guangzhou	NO	-	YES	YES	YES	-	YES
Sanya	NO	-	YES	YES	YES	-	YES

#### 6. Contingency Planning

We have emergency plan in case of any troubles occur in the system to issue or broadcast navigational warnings. There are at least one standby software system and standby transmitter in each station.

In the event of failure, we will use the standby equipment to broadcast MSI to ensure the broadcast operated smoothly.

Sanya coast station has made an agreement of broadcast back-up service with Guangzhou coast station that Guangzhou coast station can transmit navigational warnings instead of Sanya coast station when necessary.

7. Capacity Building

China MSA and its branches identify Capacity Building on MSI as a very important part in running GMDSS and contribute continuous efforts to achieve this objective. Training on operating and monitoring MSI broadcast for operators is imperative and regular. In addition, training courses, technical visits and theme-based learning and discussions are carried out regularly.

Coast stations also carry out internal NAVTEX training and emergency drills regularly, especially for new staffs to make sure that they operate correctly.

We are looking forward to taking part in more international training courses in the future.

8. Other Activities:

None

9. Website of National Coordinator of China:

<http://www.msa.gov.cn/>

Always updated when new information was issued.

10. National Coordinator of China Contact Information:

Maritime Safety Administration of P.R.China

No.11, Jianguomennei Avenue, DongCheng District, BeiJing, China

Tel: +86 10 65292325

Fax: +86 10 65292465

Email: [warning@msa.gov.cn](mailto:warning@msa.gov.cn)

11. Recommendations:

None

12. Actions requested:

The sub-committee is invited to note the report.

13. Summary:

National Coordinator of China within NAVAREA XI provides the Self-Assessment report after WVNWS8.