

**MSI Self Assessment NAVAREA XI National Coordinator**

Submitted by China

**SUMMARY**

Executive Summary: Overview of Activities undertaken within China since WWNWS9

Action to be taken: Paragraph 12

Related documents: None

1. Background:

The China Sea area is a part of Navarea XI, with rapid development of economy and trade, shipping fleet dimensions expand ceaselessly, maritime traffic is becoming heavier at sea and density is increasing constantly. Facing this challenge, China MSA concentrates and processes all the information on Maritime Safety and delegates its role to radio stations to broadcast over this water to ensure safe navigation.

There are 8 coast radio stations in total in China that transmit MSI in their particular sea areas. International and national NAVTEX comprises of Coast Radio Stations at Dalian(R),Tianjin(S),ShangHai(Q), Fuzhou(O),Guangzhou(N&G), Zhanjiang(D),Sanya(M) and Hongkong(L)

(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) The MSI of each coast station are listed in the following table, and all MSI should be broadcasted on schedule.

Station	SAR Information (Y/N)	Navigational Warning (Y/N)	Meteorological Warning		Meteorological Forecast		
			Weather Warning (Y/N)	Sea Conditions Warning	Weather Forecast (Y/N)	Sea Conditions Forecast	Ice Information
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
Guangzhou	Y	Y	Y	Y	Y	Y	N
Sanya	Y	Y	Y	N	N	N	N

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

<b>STATION</b>	<b>NAVTEX (Y/N)</b>	<b>Safety NET (Y/N)</b>	<b>VHF (Y/N)</b>	<b>FEC (Y/N)</b>	<b>MORSE CY/N)</b>	<b>SSB (Y/N)</b>
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

2. Comments:

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

<b>Equipment Type</b>	<b>Software Version</b>	<b>Date of Up-date</b>
NAVTEX 518 kHz/4209.5kHz/486kHz	NAVTEX CLIENT.EXE 1.0.0.1	2016.05
MSI via SSB Broadcast	InterPhonic6.5 And 1.0.0	2014.05
MSI via VHF Broadcast	GMDSS workstation software 1.0	2010.11

(2) The following table shows the quantity of MSI data received and by which means that data was received:

Station	2015				2016				2017			
	Email	Fax	Phone	Text	Email	Fax	Phone	Text	Email	Fax	Phone	Text
Dalian		1573				1639				1724		
Tianjin		1602				1594				2071		
Shanghai		4078				3619				3356		
Fuzhou		122				118				168		
Guangzhou		770				671				763		
Sanya		79				130				282		
Total		8224				7771				8364		

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

2015		2016		2017	
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 immediately according to the procedure and be repeated in each scheduled broadcast time slot via Navtex.

### 3. NAVTEX Coverage:

#### (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	-	-	Temporarily Out of Operation
Sanya	+86 898 88272063	+86 898 88257841	-	Operational
Hongkong	+852 22337999	+852 25417714	-	Operational

(2) NAVTEX Coverage:

International NAVTEX Service on 518KHz

STATION	LOCATION	COVERAGE (NM)	TRANSMITTER ID. CHARACTER	SCHEDULE (UTC)
Dalian	38-50.69N/121-31.09E	250	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	250	O	0220,0620, 1020, 1420, 1820, 2220
Guangzhou	23-09.56N/113-30.80E	250	N	0210, 0610, 1010, 1410, 1810, 2210
Sanya	18-17.49N/109-21.80E	250	M	0200, 0600, 1000, 1400, 1800, 2200
Hongkong	22-12.57N/114-15.30E	250	L	0150, 0550, 0950, 1350, 1750, 2150

NAVTEX Service on 4209.5KHz

STATION	LOCATION	COVERAGE (NM)	TRANSMITTER ID. CHARACTER	SCHEDULE (UTC)
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

STATION	LOCATION	COVERAGE (NM)	TRANSMITTER ID. CHARACTER	SCHEDULE (UTC)
Dalian	38-50.69N 121-31.09E	250	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

#### 4. Operational Issues:

Quantity of MSI broadcasted by each station within the year of 2017 and the topics of these messages are as follows:

Station	Number of Navigational Warning	Topics/Subjects of Messages
Dalian	1724	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	2071	
Shanghai	3356	
Fuzhou	168	
Guangzhou	763	
Sanya	282	

#### 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
<i>China</i>	<i>NO</i>	-	<i>YES</i>	<i>YES</i>	<i>YES</i>	-	<i>YES</i>

#### 6. Contingency Planning

There are established contingency plan to operate in an emergency, as well as at least one standby software system and standby transmitter in each radio station. In the event

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

7. Capacity Building:

NAVTEX training and emergency drills are carried out regularly, especially for new staffs to make sure that they operate correctly.

From 16 to 20 July 2018, the VDES Technical Symposium of IALA and the Correspondence Group of the E-Navigation committee was held in Yiwu, Zhejiang, and relevant Maritime Administrations have attended.

In September 2017, China MSA organized a maritime communication training for all coast stations in Guangzhou. We will try to take part in more international training courses in the future.

8. Other Activities:

Nil

9. NAVAREA Website:

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

All navigational warnings are uploaded as soon as possible following the dissemination via Navtex.

The Website refreshes immediately once new information is posted.

10. NAVAREA Contact Information:

**No Change**

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

11. Recommendations:

Nil

12. Actions requested:

The sub-committee is invited to note the report.

13. Summary:

The National Coordinator China introduced the Self-Assessment Report covering the period since WNWNS9. There is no significant change since our previous report to WNWNS9.