

**MSI Self Assessment NAVAREA XI National Coordinator**

Submitted by China

**SUMMARY**

Executive Summary: Overview of Activities undertaken within China since WWNWS10

Action to be taken: Paragraph 12

Related documents: None

1. Background:

The China Sea area is a part of Navarea XI, and Maritime Safety Administration of China is the National Coordinator.

There are 8 coast radio stations 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<br/>(Y/N)</b> | <b>Safety NET<br/>(Y/N)</b> | <b>VHF<br/>(Y/N)</b> | <b>FEC<br/>(Y/N)</b> | <b>MORSE<br/>CY/N)</b> | <b>SSB<br/>(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<br>518 kHz/4209.5kHz/486kHz | NAVTEX CLIENT.EXE<br>1.0.0.1      | 2016.05                |
| MSI via SSB Broadcast              | InterPhonic6.5<br>And 1.0.0       | 2014.05                |
| MSI via VHF Broadcast              | GMDSS workstation<br>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   | 2016  |      |       |      | 2017  |      |       |      | 2018  |      |       |      |
|-----------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
|           | Email | Fax  | Phone | Text | Email | Fax  | Phone | Text | Email | Fax  | Phone | Text |
| Dalian    |       | 1639 |       |      |       | 1724 |       |      |       | 1683 |       |      |
| Tianjin   |       | 1594 |       |      |       | 2071 |       |      |       | 2291 |       |      |
| Shanghai  |       | 3619 |       |      |       | 3356 |       |      |       | 4001 |       |      |
| Fuzhou    |       | 118  |       |      |       | 168  |       |      |       | 138  |       |      |
| Guangzhou |       | 671  |       |      |       | 763  |       |      |       | 845  |       |      |
| Sanya     |       | 130  |       |      |       | 282  |       |      |       | 142  |       |      |
| Total     |       | 7771 |       |      |       | 8364 |       |      |       | 9100 |       |      |

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

| 2016  |                      | 2017  |                      | 2018  |                      |
|-------|----------------------|-------|----------------------|-------|----------------------|
| 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 2018 and the topics of these messages are as follows:

| Station   | Number of Navigational Warning | Topics/Subjects of Messages  |
|-----------|--------------------------------|--|
| Dalian    | 1683                           | Obstruction to navigation,<br>Maritime operations,<br>the status of Aids to Navigation,<br>gunnery exercises,<br>port construction operations,<br>distress, search and rescue,<br>weather warning,<br>cancel previous navigation warning,<br>surface and underwater operations,<br>fog signals,<br>ice information,<br>etc.. |
| Tianjin   | 2291                           |  |
| Shanghai  | 4001                           |  |
| Fuzhou    | 138                            |  |
| Guangzhou | 845                            |  |
| Sanya     | 142                            |  |

#### 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>-</i>                        | <i>YES</i>                       | <i>YES</i>        | <i>YES</i>                        | <i>-</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.

In July 2018, China MSA organized a navigational warning training 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 updates 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](mailto: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 WWNWS10. There is no significant change since our previous report to WWNWS10.