

# SHIPS' ROUTEING SYSTEM FOR CHANGSHAN CHANNEL

Reference charts: Chinese charts, No.1302/11910

Ships' Routeing System for Changshan channel is composed of traffic separation scheme and precautionary areas.

## 1. Traffic separation scheme

### 1.1 Boundary lines

1.1.1 The north boundary of the traffic separation scheme is the line connecting the following geographical positions:

38°00'.700N	120°58'.600E
38°00'.700N	120°52'.200E
38°03'.867N	120°34'.000E
38°05'.600N	120°30'.833E

1.1.2 The south boundary of the traffic separation scheme is the line connecting the following geographical positions:

37°56'.200N	120°58'.200E
37°58'.267N	120°51'.700E
38°00'.300N	120°40'.000E
38°00'.300N	120°27'.000E

### 1.2 Separation Zone

The separation zone is a water area with a width of 0.2nm and a length of 23.5nm and takes the line connecting the following geographical positions as the central line.

38°03'.417N	120°29'.300E
37°58'.450N	120°58'.400E

### 1.3 Traffic lanes

The traffic lane for westbound ships is the water area between separation zone and the north boundary of routing waters with 2.5nm wide in the west and 2.3nm wide in the east. The narrowest part in the middle is 1nm wide. The lane is 14.7nm long. The main ship traffic flow is 282° (true heading).

Ship traffic lanes eastbound is the water area between separation zone and the south

boundary of routing waters with a width of 2.2 nautical miles at the east part and a width of 2.3 nautical miles at the west part; The narrowest part is 1 nm wide and 9.8 nm long. The main traffic direction is 102° (true course).

## **2. Precautionary Areas**

2.1 East Precautionary Area: the water area with the center of the geographical position 37°58'.250N 121°02'.500E and a radius of 4nm.

2.2 West Precautionary Area: the water area with the center of the geographical position 38°05'.000N 120°24'.600E and a radius of 5nm.

## **3. Special requirements**

3.1 Participating ships shall standby VHF 08 and VHF 16.

3.2 Anchoring, trawling and aquaculture are forbidden in precautionary areas, traffic lanes and the nearby waters of the terminations, unless such activities are approved by the administrations.

3.3 Participating ships are not exempted from responsibilities and obligations of *the International Regulations for Preventing Collision at sea, 1972*.

3.4 The Administration may impose penalties on any ship failing to comply with the system in accordance with related laws and regulations.

3.5 The Routeing System shall be implemented from 1January 2009. The Interim Changshan Channel Traffic Management Regulations of 1 July 1998 shall be abrogated at the same time.

# SHIP REPORTING SYSTEM FOR CHANGSHAN CHANNEL

## 1. Applicable Ships

The system applies to fishing ships of 24 meters and upwards in length overall, cargo ships of 300GT and upwards, and passenger ships stipulated by Chapter I , *International Convention for the Safety of Life at Sea, 1974*, as amended.

## 2. Applicable Geographical Area, Numbers and Editions of Relevant Charts

2.1 Applicable areas include waters bounded by a line connecting the following geographical positions, the area with the geographical position 38°05'.000N, 120°24'.600E as the center and 5nm as the radius, and the area with the geographical position 37°58'.250N, 121°02'.500E as the center and 4nm as the radius:

38°00'.700N 120°58'.600E

38°00'.700N 120°52'.200E

38°03'.867N 120°34'.000E

38°05'.600N 120°30'.833E

37°56'.200N 120°58'.200E

37°58'.267N 120°51'.700E

38°00'.300N 120°40'.000E

38°00'.300N 120°27'.000E

2.2 Relevant charts include Chinese charts NO. 1302 and 11910.

## 3. Format, Content, Lines and Requirements of Reporting

### 3.1 Format of Reporting

The Ship Reporting System adopts the format set out in the annex to IMO Resolution A.851 (20).

### 3.2 Content of Reporting

A Ship's name, call sign and MMSI code ( if applicable)

C or D position ( latitude and longitude or position relative to the landmark)

E Course

F Speed

G Port of departure

I Port of destination

Q Defects and restrictions ( towing vessels shall report the towing length and the name of object being towed)

U Length overall and gross tonnage

### 3.3 Reporting Lines

The east reporting line is the round boundary of the east precautionary area with the geographical position 37°58'.250N 121°02'.500E as the center and 4nm as the radius.

The west reporting line is the round boundary of the west precautionary area with the geographical position 38°05'.000N 120°24'.600E as the center and 5 nm as the radius.

### 3.4 Requirements of Reporting

3.4.1 Ships shall report its movement to North Changshan Vessel Traffic Service (VTS) Center in accordance with paragraph 3.2 when passing the reporting lines of Changshan Channel.

3.4.2 Reporting is not required when a ship leaves the area.

3.4.3 When being involved in any traffic or pollution incident within the reporting areas, ship(s) shall immediately report the nature, time and location of the incident, extent of damage or pollution, and whether assistance is needed. The ship(s) shall provide any additional information related to the incident as required by the Administration.

## **4. The Administration and the Report Reception Authority**

4.1 Yantai Maritime Safety Administration of the People's Republic of China is the Administration.

4.2 North Changshan VTS station is the report reception authority.

## **5. Information to be Provided to Ships**

North Changshan VTS Station will provide applicable ships with information such as vessel traffic conditions, adverse weather conditions and maritime safety information, etc. as appropriate.

## **6. Working VHF Channels and Languages Used for the Reporting**

6.1 VHF08 is the working channel of North Changshan VTS Station, and VHF16 is

the reporting channel.

6.2 The language used for the reporting is Mandarin Chinese or English. The radio communications shall follow the format of IMO Standard Marine Communication Phrases (SMCP).

## **7. Shore-based Facilities to Support the Operation of the System**

7.1 The North Changshan VTS is composed of radar, VHF communication, information processing and display, information recording and replaying, meteorological sensors and AIS. Its functions include data collection, data evaluation and processing, information service, traffic organization service, navigational assistance service and allied services.

7.2 North Changshan VTS Station maintains 24-hour listening watch.

## **8. Special Provisions**

8.1 Any ship following Ships' Routeing System for Changshan Channel shall keep listening watch on VHF08 and VHF16, and comply with relevant provisions under the *International Regulations for Preventing Collisions at Sea, 1972*.

8.2 Any ship following the Ships' Routeing System for Changshan Channel shall not cross traffic lanes. If obliged to do so, the ship shall report to North Changshan VTS Center and request permission before crossing.

8.3 Any ship violating rules of the system shall be punished by the Administration in accordance with relevant laws and regulations.

8.4 The Ship Reporting System shall be implemented from 1 January 2009.