

## The User's Guide of the

### Yingkou VTS

#### INTRODUCTION

This guide is published in order to provide the users with a brief introduction to the Yingkou vessel traffic services (hereinafter referred to as VTS) and the requirement of the vessel traffic services center of the Yingkou Maritime Safety Administration concerning traffic management and service and the navigation information which may be necessary for the vessels, thus to promote the understanding and cooperation between VTS center and users, and to ensure the safety of navigation, promote the traffic efficiency and protect the environment.

#### SYSTEM SUMMARY

Yingkou VTS is composed of Taizishan Radar Station (coordinate: 40° 17' 46.3" N122° 06' 24.4" E) and VTS Center (coordinate: 40° 17' 14.9" N122° 06' 58.4" E)

The main technical equipment and their function of Yingkou VTS.

1. Radar Surveillance System: 24 miles of coverage with tracking and replay function
2. VHF Communication System: 25 miles of coverage with mul-channel recording function
3. Ship Data Processing System: The ship 's data processing capacity is not less than 30000 ships
4. Meteorology system: Real time data of meteorology can be displayed under all weather conditions and data history can be inquired.

VTS Center:

Postcode: 115007

Office add: New Harbor Street Bayuquan, Yingkou

Fax: 0417---6269564

Tel: 0417---6151427---4182

"VTS" stands for the abbreviation of Vessel Traffic Services. It is a system established by the competent authority to control the vessel traffic and provide consulting service, thus to ensure the safety navigation, promote the transport efficiency and protect the environment.

"VTS Center" is the executive body of VTS. It is a management department for safety of vessel traffic within the VTS Coverage established by the competent authority in accordance with the national laws and regulations.

The objects of management and service are the ships of foreign nationalities, Chinese nationality of not less than 200 gross tonnage, which in accordance with the international conventions and national rules and regulations should be equipped with the communication equipment and the ships which the competent authority may require to be governed by the VTS.

Management and Service coverage is the water area with Yingkou Bayuquan Lighthouse ( 40° 17' 46.3" N 122° 06' 24.4" E) as the center and 20 nautical miles as the radius.

The working language of "VTS" is Chinese and English. The working time is 0000--2400 (Beijing).

VTS Center control the vessel traffic and provide consulting service within the Yingkou VTS Coverage in accordance with The Detailed Rule of Safety Management of Yingkou Vessel Traffic Services.

Management and service

Fairway in VTS Coverage	VHF Communication  procedure
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**Fairway:**

The fairways of yingkou port are composed of bayuquan harbor fairway and yingkou harbor fairway.

**General situation:**

The span of bayuquan harbor fairway is **4.6** miles, bottom width **110** meters, water depth **9.7** meters.

The span of yingkou harbor fairway is 21 miles, composed of alongside bank fairway, 2 miles in length, 370 meters in width; inner fairway, 3.5 miles in length, 460 meters in width; western fairway, 1.5 miles in length, 550 meters in width; alongside river fairway, 14 miles in length, 370 meters in width. The water depth shall be referred to the data of the published charts.

**aids to Navigation:**

Bayuquan harbor fairway: composed of light buoys 1<sup>#</sup> to 10<sup>#</sup>. The left buoys flash red light: 2<sup>#</sup>(4seconds); 4<sup>#</sup>(6seconds); 6<sup>#</sup>(4sec

onds); 8<sup>#</sup>(6seconds); 10<sup>#</sup>(4seconds). The right buoys flash green light: 1<sup>#</sup>(4seconds); 3<sup>#</sup>(6seconds); 5<sup>#</sup>(4seconds); 7<sup>#</sup>(6seconds); 9<sup>#</sup>(4seconds). Winter buoys are flank buoys in shape of sticks from 1<sup>#</sup> to 10<sup>#</sup>.

Yingkou harbor fairway: alongside bank fairway (1<sup>#</sup> to 4<sup>#</sup>); inner fairway (4<sup>#</sup> to 6<sup>#</sup>); western fairway (6<sup>#</sup> to 7<sup>#</sup>); alongside river fairway (inside 7<sup>#</sup>).

**Speed limitation:**

The entering speed is not more than 8 knots, and the leaving speed is not more than 9 knots.

**Restriction for entry and departure:**

The bayuquan harbor fairway is of single-way traffic, the yingkou harbor fairway is of conditional two-way traffic.

**Calling unit:**

VTS Center

**VHF working channel:**

Calling channel: **69**

Speaking channel: **65**

**Calling format:**

Yingkou VTS Center

**Calling unit:**

Yingkou(Panjin) Maritime Department

**VHF working channel:**

Calling channel: **09**

Speaking channel: **09**

**Calling format:**

Yingkou(Panjin) Maritime Department

**Attention:**

All ships in port must keep watching on ch. 69.

**Other VHF channels are:**

Yingkou coast radio station: 16

The Penavico: 14

The Sinoagent: 74

The port of Yingkou: 10

Pilot Station: 08



## Ships reports

### **Position report:**

Call in point: (A) Arrive in Yingkou VTS Coverage report line.

(B) Arrive in yingkou harbor NO.1 light buoy.

Content: ship's name, nationality, call sign, drafts, particulars, last port, cargoes on board, pilots required or not, cargo loading (discharging) plan and navigation intention.

Calling unit and working channel: Yingkou VTS Center VHF 69

### **Anchoring Report:**

Call in point: anchorage in port

Content: anchor position, anchor time.

Calling unit and working channel:

(A) Yingkou VTS Center VHF 69

(B) Yingkou Maritime Department VHF 09

### **Plan Report:**

Report time: 30 minutes before the enforcement of the action plan.

Content: ship's name, the content of action.

Calling unit and working channel: Yingkou VTS Center VHF 69.

### **Variation report:**

Time: on the time when the anchor position and navigation plan have changed.

Content: ship's name, the content of variation.

Calling unit and working channel: Yingkou VTS Center VHF 69.

**Accident report:**

Time: the occurrence of traffic accident, pollution as well as any other emergency situation.

Content: ship's name, the time of occurrence, the process of the accident as well as the inquire of the authority.

Calling unit and working channel: Yingkou VTS Center VHF 69.

**Ending report:**

Time: on the finishing of the action plan or the departure of Yingkou VTS Coverage.

Content: ship's name, the finishing time of the action or the departure time .

Calling unit and working channel: Yingkou VTS Center VHF 69.

Water areas partition	Traffic service
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<p><b>Yingkou harbor areas:</b></p> <p>Yingkou harbor area is the area between the limit of the river side and the limit of the sea side. The limit of the river side is the line from JIZHAOGOU (40° 42'58" N, 122° 14'00" E) to due south. The limit of the sea side is the line joining the following positions:</p> <p>40° 31' 53" N 122° 00' 56" E</p> <p>40° 35' 00" N 121° 58' 54.9" E</p> <p>40° 31' 05" N 121° 58' 54.9" E</p> <p>40° 31' 05" N 122° 01' 03" E</p> <p>40° 31' 53" N 122° 00' 56" E</p> <p><b>Bayuquan harbor area:</b></p> <p>The bayuquan harbor area consist of the harbor, the quarantine anchorage and the water area between them, and its boundary is defined by a line joining the following positions:</p> <p>40° 18' 55" N 121° 59' 30" E</p> <p>40° 23' 10" N 121° 59' 30" E</p> <p>40° 23' 10" N 121° 50' 18" E</p> <p>40° 16' 13" N 121° 50' 18" E</p> <p>40° 16' 13" N 122° 06' 38" E</p> <p>40° 18' 55" N 122° 05' 42" E</p> <p><b>Yingkou barge-transhipping anchorage:</b></p> <p>The boundary of yingkou barge-transhipping anchorage is defined by a line joining the following positions:</p> <p>40° 37' 16" N 121° 51' 06" E</p> <p>40° 37' 16" N 121° 59' 05" E</p>	<p><b>Information service :</b></p> <p>Content: the vessels movements, condition of aids to navigation, hydrology and meteorology data, navigation warnings(notice) as well as other important information .</p> <p>Time: at a fixed time, on the vessels ‘ request or the VTS Center deem it necessary.</p> <p>Approach: VHF channel 69.</p> <p><b>Service of Assisting navigation:</b></p> <p>Content: provide suggestion or recommendations for safety navigation.</p> <p>Time: on the vessels ‘ request</p> <p>Approach: VHF channel 69.</p> <p><b>Support allied activities:</b></p> <p>Content: taking emergency measure, harmonizing rescue.</p> <p>Time: on the vessels ‘ request or the VTS Center deem it necessary.</p> <p>Approach: VHF channel 69.</p> <p><b>Other service:</b></p> <p>Content: Through the negotiation between VTS Center and the service object.</p> <p>Time: on the vessels ‘ request.</p>
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