

The User's Guide of theCaofeidian VTS

INTRODUCTION

This guide is published in order to provide the users with a brief introduction to the Caofeidian vessel traffic services (hereinafter referred to as VTS) and the requirement of the vessel traffic services center of the Caofeidian 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

Caofeidian VTS is composed of Caofeidian Radar Station (coordinate: 38° 55.770' N118° 31.180' E) and VTS Center (coordinate: 38° 55.381' N118° 29.913' E)

The main technical equipment and their function of Caofeidian VTS are following:

1. Radar Surveillance System: 24 miles of coverage with tracking and replay function
2. VHF Communication System: 25 miles of coverage with multi-channel recording function
3. Ship Data Processing System: The ship's data processing capacity is not less than 500 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: 063200

Office add: the seven floor of Caofeidian Industry Co., Ltd, Caofeidian Island,
Tangshan city, Hebei province

Fax: 0315---8821882

Tel: 0315---8821881、8856206

"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.

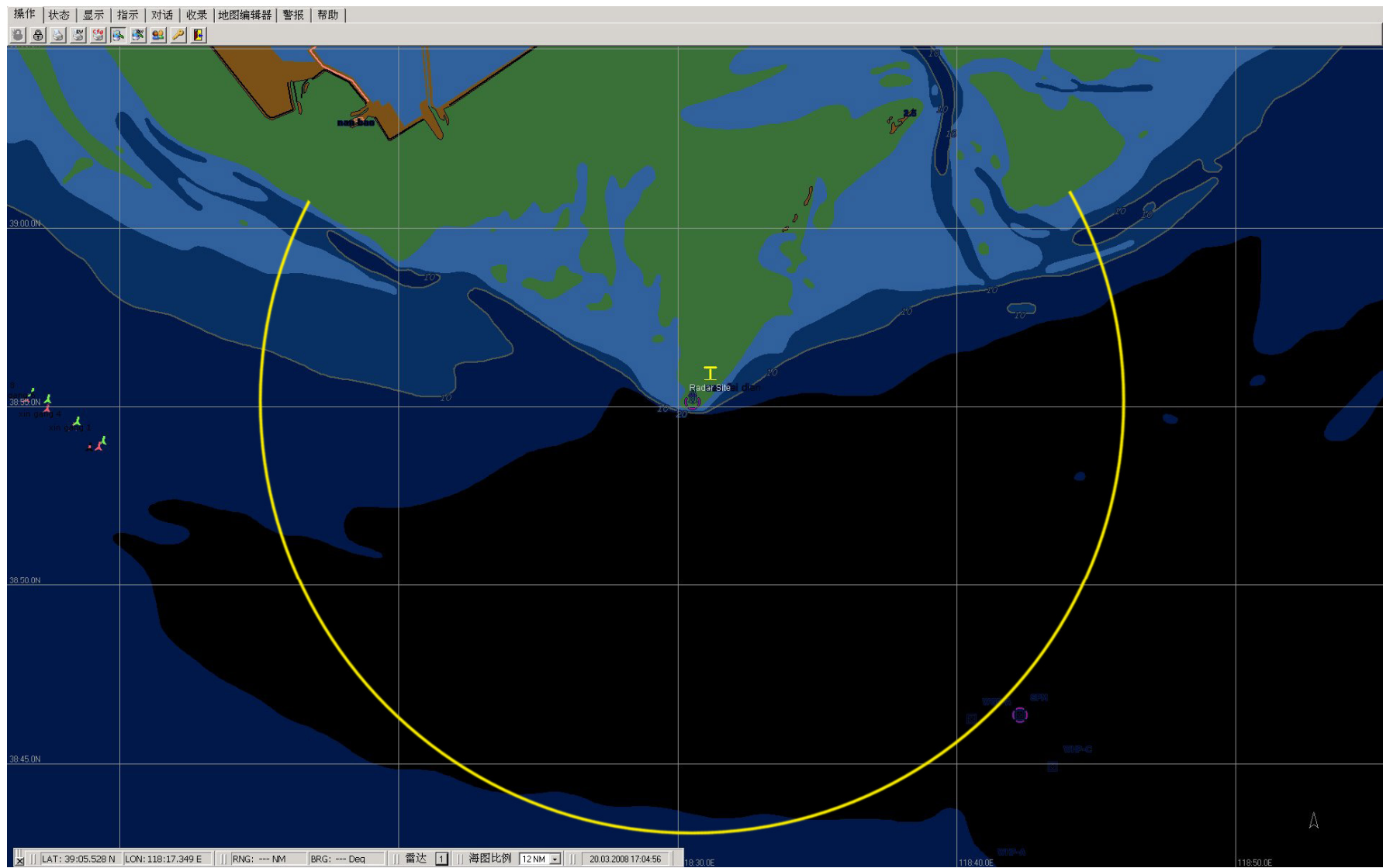
"VTS Center" is the executive body of VTS. It is a management department for safety of vessel traffic within the VTS Coverage established by the competent authority in accordance with the national laws and regulations.

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 Caofeidian Lighthouse (38° 55.16' N 118° 30.519' E) as the center and 12.5 nautical miles as the radius.

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

VTS Center controls the vessel traffic and provides consulting service within the Caofeidian VTS Coverage in accordance with The Detailed Rule of Safety Management of Caofeidian Vessel Traffic Services.



NOT TO BE USED FOR NAVIGATION

CHINA

CAOFEIDIAN PORT

AREA AND REPORTING

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Route Regulations

VHF channel: Channel Procedure

Ships covered by the regulations:

The ships in accordance with international conventions and /or national rules and the ships the competent authority may require to be governed by the VTS.

Channels:

The span of temporary harbor fairway is 1074 meters, bottom width 170 meters, the bearing is $47^{\circ} - 227^{\circ}$
The temporary harbor fairway is composed of four light houses (c1-c4), the left side are C2 ($38^{\circ}55'53.3''N$, $118^{\circ}27'45.1''E$) and C4 ($38^{\circ}56'16.4''N$, $118^{\circ}28'18.0''E$), the right side are C1 ($38^{\circ}55'47.8''N$, $118^{\circ}27'51.5''E$) and C3 ($38^{\circ}56'10.9''N$, $118^{\circ}28'24.4''E$).

Speed:

Vessels shall navigate carefully and maintain a safe speed within VTS water area.

Restriction for entry and departure:

All channels within the VTS area are one – way channels, vessels shall report to VTS Center before using the channels.

VHF channel: Channel 08

Calling: Caofeidian VTS Center

Calling channel for Caofeidian Maritime Safety Administration: Channel 08

All vessels within VTS area must keep watching on Channel 08

Pilotage	Traffic Services	Prohibitions
<p>Pilot anchorage: Pilot anchorages of this port serve as the quarantine anchorage as well as the pilot anchorage;</p> <p>Arrival (leave)position of pilot on large vessel (38° 52.870' N118° 29.728' E)</p> <p>Arrival (leave)position of pilot on small vessel (38° 52.870' N118° 29.728' E)</p>	<p>Caofeidian VTS Center may provide:</p> <ol style="list-style-type: none"> 1、 Vessel movement information (on request) 2、 Hydro –meteorological information 3、 Navigational warning (notice) 4、 Navigational danger alarm 5、 Navigational assistance (on request) 6、 Assistance in position fixing (on request) 7、 Rescue and salvage information 	<p>(A) Anchoring outside harbor anchorages without approval is prohibited</p> <p>(B) Crossing channels or anchorages is prohibited unless approval is granted</p> <p>(C) Navigation trial or speed testing in the channels without approval is prohibited</p> <p>(D) Fishing or sailing is prohibited within or near the anchorages and channels</p>

Report of vessels

Arrival and departure forecast:

To: VTS center of Caofeidian Maritime Safety Administration (Tel: 0315-8821881 0315-8856206 Fax: 0315-8821882)

Giving: ship's name, nationality, call sign, LOA, gross tonnage, drafts, lasts port of call, ETA, type and quantity of cargoes, number of passengers and crew, etc

Time limitation: 24 hours before ETA or RTD

Via: Ship's owner or agent's report

Position report: Caofeidian Lighthouse (38° 55.16' N 118° 30.519' E) as the center and 12.5 nautical miles as the radius.

Calling in lines: RP-L: the gate line of Caofeidian VTS area

To: Caofeidian VTS center

Giving: Ship's name, navigational intention

Via: VHF CH08

Other report: When navigation aids or leading marks are found off – position, missing, damaged, abnormal, and obstruction, drifting objects or other abnormal condition are found to affect traffic safety

Report of vessels (Continued)

Arrival at or departure from berth or anchorage report:

To: Caofeidian VTS center

Giving: ship's name, time of arrival at or departure from berth of anchor time, position, port of destination

Time: After being berthed or anchored, before leaving berth of heaving up anchor

Via: VHF CH 08

Position report:

To: Caofeidian VTS center

Giving: Ship's name of operation, operation content and area

Time: Before operation is started and after finished

Via: VHF CH 08

Emergency reports: The vessels are required to report any traffic accident, pollution incident, engine damage, injury of persons and any other emergent situation involved or found.

Main Navigation Aids

Name	Position	Character	Height / Range	Shape
南防波堤堤头灯 South breakwater beacon	38° 20' 24.559" N 117° 55' 22.647" E	六秒双闪红 FL (2) R 6s	18.0m	红色柱形结构
北防波堤堤头灯 North breakwater beacon	38° 20' 40.721" N 117° 55' 08.309" E	六秒双闪绿 FL (2) G 6s	18.0m	绿色柱形结构
曹妃甸港 C1 号灯浮 Light buoy No.C1 of Caofeidian	38° 55' 47.8" N 118° 27' 51.5" E	四秒单闪绿 FL G 4s		绿色柱形 顶标为绿色锥形
曹妃甸港 C2 号灯浮 Light buoy No.C2 of Caofeidian	38° 55' 53.3" N 118° 27' 45.1" E	四秒单闪红 FL R 4s		红色柱形 顶标为红色罐形
曹妃甸港 C3 号灯浮 Light buoy No.C3 of Caofeidian	38° 56' 10.9" N 118° 28' 24.4" E	六秒双闪绿 FL (2) G 6s		绿色柱形 顶标为绿色锥形
曹妃甸港 C4 号灯浮 Light buoy No.C4 of Caofeidian	38° 56' 16.4" N 118° 28' 18.0" E	六秒双闪红 FL (2) R 6s		红色柱形 顶标为红色罐形
曹妃甸港 C5 号灯浮 Light buoy No.C5 of Caofeidian	38° 56' 13.4" N 118° 28' 39.6" E	四秒单闪绿 FL G 4s		绿色柱形 顶标为绿色锥形
曹妃甸港 C6 号灯浮 Light buoy No.C6 of Caofeidian	38° 56' 33.1" N 118° 28' 41.7" E	四秒单闪红 FL R 4s		红色柱形 顶标为红色罐形

Main Navigation Aids (Continued)

Name	Position	Character	Height / Range	Shape
曹妃甸港 C8 号灯浮 Light buoy No.C8 of Caofeidian	38° 56' 32.5" N 118° 28' 57.4" E	四秒单闪红 FL R 4s		红色柱形 顶标为红色罐形