

# WUHAN VTS USER'S GUIDE

## Introduction

*Wuhan VTS User's Guide* aims to provide seafarers with an introduction of Wuhan vessel traffic service system (hereinafter referred to as "Wuhan VTS") and the requirements of Wuhan VTS Center (Wuhan VTS center) concerning traffic management and service, which facilitates vessels to participate in Wuhan VTS, enhance understanding and cooperation between Wuhan VTS center and users, guarantee traffic safety, improve traffic efficiency, protect the water environment and promote the development of the shipping industry.

## Wuhan VTS Summary

Wuhan VTS includes two radar stations and one VTS center, that is Erqiao radar station, Daqiao radar station and Wuhan VTS center. The system consists of radar subsystem, VHF subsystem, radar data processing subsystem, traffic display and control subsystem, information transmission subsystem, ship data processing subsystem, record subsystem, GPS subsystem, CCTV subsystem, meteorology subsystem and other supporting facilities. Radar station, GPS, CCTV and vessel movement management system transmit the information to Wuhan VTS for processing, analyzing and assessing so as to generate traffic images and data. Wuhan VTS center is responsible for the monitoring of the system's operation, carrying out movement surveillance on the vessels in the VTS area, providing information service, navigational assistance service, emergency response, search and rescue coordination and traffic organization and control if necessary.

## Vessel Report

CATEGORY	TIME OR POSITION	CONTENT
Ship movement report	1. When upbound vessels pass the lower boundary of Wuhan Yangtze No.2 Bridge (800 meters downstream); 2. When downbound vessels pass the upper	Ship's name, port of destination, size, actual draft, clearance height, ship's type and loading details

	boundary of Wuhan Baishazhou Bridge (1500 meters upstream); 3. At the Hanjiang River mouth, when vessels enter Yangtze River from Hanjiang River	
Berthing/anchoring report	Before leaving the wharf/berth or weighing anchors; After docking the wharf/berth or dropping anchors	Ship's name, Name of wharves/berths, time of docking/leaving and name of anchorages
Trial report	Before the trial in VTS areas	Ship's name, trial time, trial area
Emergency report	When involved in or observing traffic accidents, pollution incidents or other emergencies	Ship's name, position, emergencies
Abnormal circumstances report	When observing abnormality of aids to navigation, obstacles, floating objects and etc. which may impede the safety of navigation.	Ship's name, position, abnormal situation
Vessel position verification	1. Immediately after downbound vessels pass the lower boundary of Wuhan Baishazhou Bridge (800 meters downstream) 2. Immediately after upbound vessels pass the upper boundary of Wuhan Yangtze No.2 Bridge (1200 meters upstream); 3. Immediately after exiting and 500m away from the mouth of Hanjiang River	Ship's name

### **Ships' Type**

Ships subject to mandatory report:

Seagoing ships

Fleet

Ships carrying dangerous goods

Passenger(vehicle) ferries, ro-ro passenger ships, high-speed passenger ships,

sightseeing ships(with the exception of the inner-harbour ferries equipped with GPS terminal of Changjiang Maritime Safety Administration)

Other ships with 400GT and above or 400 horsepower and above

Foreign-flagged ships

Voluntarily participating Ships

Other ships may voluntarily participate in the report

### VHF Channel

Working channels of Wuhan VTS

Reporting channel: VHF CH84

Communication channel: VHF CH06

Requirements:

VHF communication language: Mandarin Chinese

Ships shall keep listening-watch on VHF CH06 and respond to the call from the VTS Center

Ships shall keep listening-watch on VHF CH06 and CH84 if possible

Ship shall not use VHF CH84 for irrelevant communication

### Traffic Management

Management Object	Vessels equipped with communication equipment in accordance with the provisions of the relevant international conventions and domestic regulations and participate the VTS system as required by the Administration.
Management waters	The water area between the upper boundary of Wuhan Baishazhou Bridge (1500 meters upstream) and the lower boundary of Wuhan Yangtze River No.2 Bridge (800 meters downstream) on the mainstream of Yangtze river
Navigation regulation	When navigating in the VTS area, vessels shall comply with <i>Regulations for China Safety Supervision of Vessel Traffic Management System, Provisional Regulations for Wuhan Safety Supervision of Vessel Traffic Management System, Regulations for Middle Reaches of Yangtze River</i>

	<i>Channel Divided Navigation, Regulations for Lower Reaches of Yangtze River Channel Divided Navigation, Regulations for Navigation Safety Supervision of Vessel Traffic Management of Central Waters of Wuhan Port, Regulations for Navigation Safety Management of Yangtze River Bridge Water Area, Regulations on Safety Management of Wuhan Yangtze River Bridge, Provisional Regulations for Navigation Safety Management of Yangtze River No.2 Bridge, and other special regulations on navigation and give-way promulgated by the Administration.</i>
Navigation limitations in the bridge water area	<ol style="list-style-type: none"> <li>1. In case of restricted visibility, vessels are forbidden to pass through the bridge water area in accordance with relevant regulations on bridge water area management.</li> <li>2. When the wind force reaches Beaufort scale of 5, towing rafts are forbidden to go through the bridge water area; when the wind force reaches Beaufort scale of 6, fleets are forbidden to pass through the bridge water area.</li> <li>3. When passing through the bridge water area, vessels shall keep safety distance from each other and shall not overtaking or navigate abreast.</li> <li>4. Anchoring, trial, crossing and trawling are forbidden in the bridge water area.</li> <li>5. Relevant regulations on bridge water area management shall be complied with under other circumstances.</li> </ol>
Speed limit	The normal speed of upbound ships in the fairway shall not be less than 4 km/h.

### **Traffic Service**

VTS Center can provide:

1. Traffic information (at request)
2. Real-time metrological information (at request)
3. Navigational assistance service (at request)
3. Allied service (at request)
4. Navigation notice/warning
5. Traffic organization service

## Emergency Rescue

Vessels and facilities in need of emergency rescue in the VTS area may contact the VTS center or the nearest patrol unit.

<b>Organization</b>	<b>On-duty Phone</b>	<b>On-duty Vessel</b>
Wuhan VTS Center	027-12395(SAR)	
Baishazhou Bridge Patrol Unit	027-84516779	Haixun 31502
Wuhan Yangtze River Bridge Patrol Unit	027-88875392	Haixun 31319
Wuhan Yangtze River No.2 Bridge Patrol Unit	027-86821686	Haixun 31505

### **Contact Details:**

Wuhan Vessel Traffic Service Center

Post code: 430014

Address: N0.75 Shengli Street, Jiangan District, Wuhan, Hubei

Fax: 027-82764658

Phone: 027-12395\82833783\82764665

Working Hour: 0000-2400

Website: <http://www.wuhanmsa.gov.cn>