A Brief on Hong Kong Vessel Traffic Services

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Vessel Traffic Services (VTS)

- IMO Resolution A.857 (20)
  - a service implemented by a competent authority, designed to improve the safety and efficiency of vessel traffic and to protect the environment.
  - the service should have the capability to interact with the traffic and to respond to traffic situations developing in the VTS area.

The Services

- Information Service

- Traffic Organization Service

- Navigational Assistance Service

International Standards

- Standardization : services, procedures, communication, nomenclature

- Professionalism : training, certification, accreditation, QMS

- Continuous Development : IALA VTS Committee

IALA VTS Committee September 2012

Istanbul, Turkey

The Hong Kong Port

- Container Terminals
- Oil Terminals
- Bulk Terminals
- Cruise Terminals
- Ferry Terminals
- Anchorages and Government Moorings

Port Traffic

	2013	Length m
Ocean Going Cargo	27,076	80 - 400
Ocean Going Passenger	2,839	40 - 310
River Trade Cargo	77,374	30 - 120
River Trade Passenger	80,251	20 - 140
Total Arrivals	187,540	
Transits	15,449	

VTS and the Port

- Traffic Management
- Port Control
- Law Enforcement
- Port Development

Vessel Traffic Centre 1998

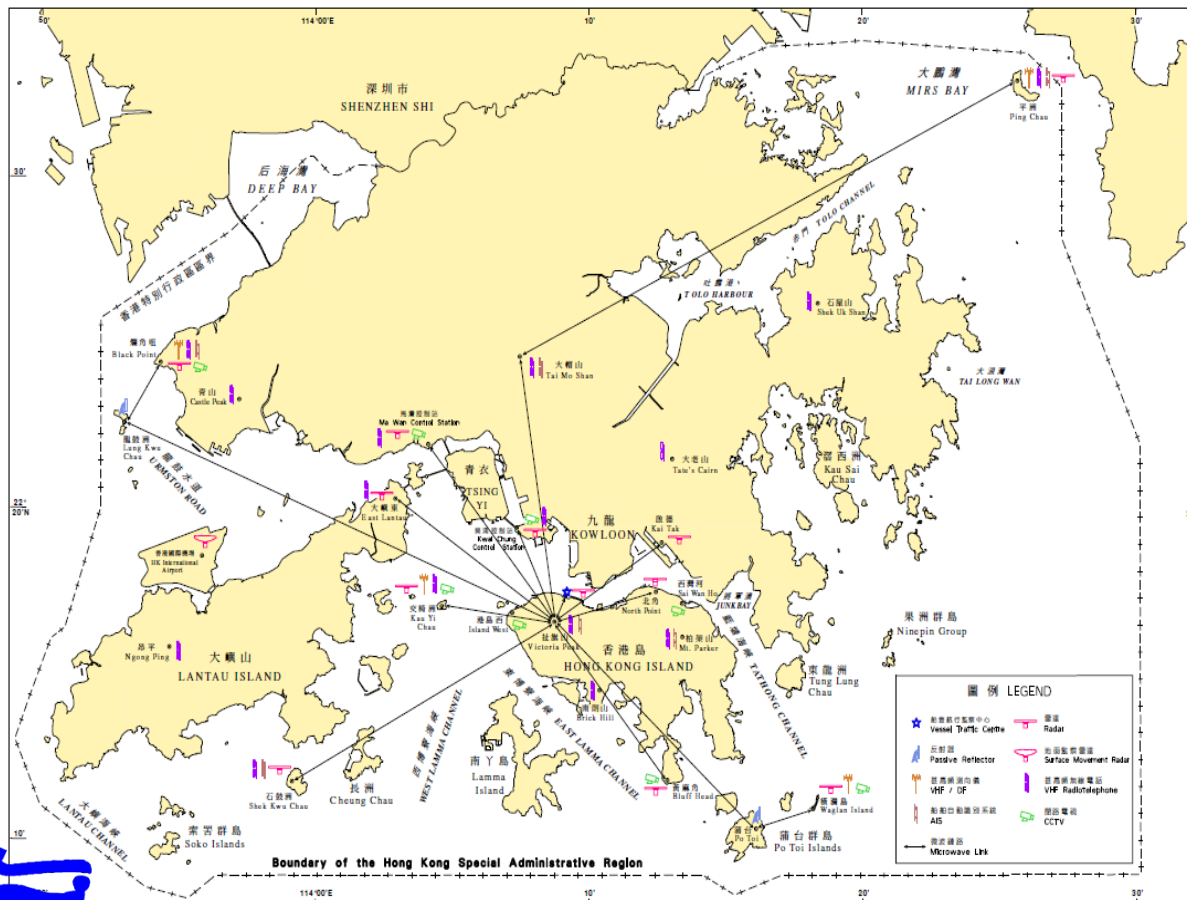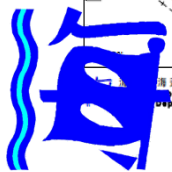
Vessel Traffic Centre regulating marine traffic

Vessel Traffic Centre 2002

Hong Kong VTS

香港船隻航行監察服務系統結構圖
Hong Kong Vessel Traffic Service System Configuration Plan

- **VTS sectors : 3**
- **Radars : 13**
- **AIS Base Stations : 6**
- **CCTV : 12**
- **VHF station : 15**
- **VHF DF station : 4**

Hong Kong VTS

- Infrastructure
  - Sensors (Radar, AIS, CCTV, VHF-DF), VTS system, VHF, VTS-IS, PPS.
- Services
  - INS, TOS and NAS
  - emergency response
  - development (TSS, Fairway, navigation aids)
  - Regional co-operation (SZMSA, GDMSA, China MSA)

VTC and MRCC

- emergency response : VTC
  - handle problems to protect life, port safety, environment and properties
  - co-operation/monitor/facilitate salvage
- search and rescue : MRCC
  - search and rescue life in peril
  - not salvage

Relationship with Insurance Industry

- contribute to risk reduction

- facilitate salvage

- maintain traffic records of marine incidents

Thank you !