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

<table>
<thead>
<tr>
<th>Category</th>
<th>2013</th>
<th>Length m</th>
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</thead>
<tbody>
<tr>
<td>Ocean Going Cargo</td>
<td>27,076</td>
<td>80 - 400</td>
</tr>
<tr>
<td>Ocean Going Passenger</td>
<td>2,839</td>
<td>40 - 310</td>
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<tr>
<td>River Trade Cargo</td>
<td>77,374</td>
<td>30 - 120</td>
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<tr>
<td>River Trade Passenger</td>
<td>80,251</td>
<td>20 - 140</td>
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<tr>
<td>Total Arrivals</td>
<td>187,540</td>
<td></td>
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<tr>
<td>Transits</td>
<td>15,449</td>
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VTS and the Port

- Traffic Management
- Port Control
- Law Enforcement
- Port Development
Vessel Traffic Centre 1998
Vessel Traffic Centre 2002
Hong Kong VTS

- 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!