

## Overview of Shipping in Canada

APEC Training Course on Common Principles to Shipping Policy  
 Doug O'Keefe  
 Chief, International Marine Policy December 6-8, 2011




## CANADIAN MARINE INDUSTRY PROFILE

- Domestic Fleet: 45,000 ships (includes 22,000 fishing boats).
- Directly employs 40,000 people.
- Ports handled 450 million tonnes in 2010 (up 9.8% over 2009)
  - Domestic cargo: 116.5 million tonnes
  - Canada-United States cargo: 102.9 million tonnes
  - International Deep-sea cargo: 230.7 million tonnes
- Foreign-flag ships carry 99.8% of Canada's deep-sea trade.
- 549 public and private ports with 17 Canada Port Authorities (CPA).
- CPAs are financially self-sufficient, commercial authorities that operate their ports at arms-length from the Government.
- The St. Lawrence Seaway Management Corporation operates the St. Lawrence Seaway under an agreement with the Government.

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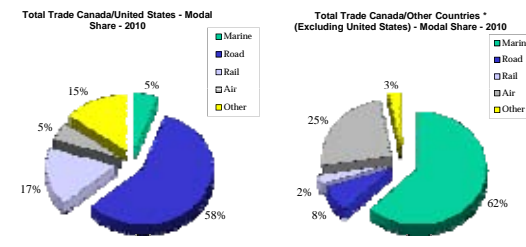
## CANADA'S INTERNATIONAL TRADE

Canada Export and Import Values (Millions Current \$) – Top 7 Countries

|                 | 2009           | 2010           | Share in 2010 |
|-----------------|----------------|----------------|---------------|
| <b>EXPORTS</b>  |                |                |               |
| United States   | 270,074        | 299,068        | 75%           |
| United Kingdom  | 12,087         | 16,396         | 4%            |
| China, P. Rep.  | 11,152         | 13,233         | 3%            |
| Japan           | 8,316          | 9,195          | 2%            |
| Mexico          | 4,805          | 5,008          | 1%            |
| Germany         | 3,737          | 3,937          | 1%            |
| Korea, South    | 3,527          | 3,709          | 1%            |
| Other Countries | 46,168         | 48,886         | 12%           |
| <b>Total</b>    | <b>359,866</b> | <b>399,433</b> | <b>100%</b>   |
| <b>IMPORTS</b>  |                |                |               |
| United States   | 186,792        | 203,384        | 50%           |
| China, P. Rep.  | 39,655         | 44,522         | 11%           |
| Mexico          | 16,535         | 22,109         | 5%            |
| Japan           | 12,350         | 13,450         | 3%            |
| Germany         | 10,657         | 11,281         | 3%            |
| United Kingdom  | 9,391          | 10,703         | 3%            |
| Korea, South    | 5,931          | 6,147          | 2%            |
| Other Countries | 83,884         | 92,314         | 23%           |
| <b>Total</b>    | <b>365,155</b> | <b>403,910</b> | <b>100%</b>   |

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## Importance of the Marine Transportation Industry to the Canadian Economy



## EXPANDING DEEP-SEA TRADE

|      | Canada-US Trade     | Canada-Overseas Trade |
|------|---------------------|-----------------------|
| 2001 | \$570 billion (76%) | \$177 billion (24%)   |
| 2010 | \$502 billion (63%) | \$301 billion (37%)   |

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## SHIPPING IN CANADA'S REGIONS



**Arctic:**  
 Re-supply of remote sites and inter-regional trade and export of minerals

**Pacific:**  
 Containers, Forest products, bulk construction materials, petroleum products, coal, grains

**Atlantic:**  
 Crude oil, bulk minerals, domestic containers, international containers

**Great Lakes:**  
 Bulk grain, iron ore, coal, construction materials

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### SOME CANADIAN SHIPPING COMPANIES

- Fednav Limited (Fednav International)
- Canada Steam Ship Lines (CSL Group)
- Algoma Central Corporation
- Groupe Desgagnes Inc.
- Irving Oil Company
- Northern Transportation Company Limited
- Seaspans Marine Group
- SMIT Marine Canada Inc.
- BC Ferries Ltd.
- International Shipowners Alliance of Canada members
  - Teekay Shipping; Fairmont Shipping; Waterfront Shipping Co. Ltd; Valles Steamships (Canada); Oak Maritime;

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### CANADIAN PORT AUTHORITIES

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### CARGO HANDLED AT CANADIAN PORTS (2010)

| Port Authority of:       | Million Tonnes | Thousand TEUs |
|--------------------------|----------------|---------------|
| 1 Port Metro Vancouver   | 116.4          | 2,514         |
| 2 Saint John             | 30.5           | 46            |
| 3 Montreal/Contrecoeur   | 25.9           | 1,331         |
| 4 Sept-Iles/Pointe-Noire | 25.1           | 7             |
| 5 Quebec City/Lewis      | 24.5           | 2             |
| 6 Prince Rupert          | 16.4           | 343           |
| 7 Hamilton               | 11.5           | 1             |
| 8 Halifax                | 9.5            | 435           |
| 9 Thunder Bay            | 6.9            |               |
| 10 Windsor               | 5.3            |               |
| 11 Trois-Rivières        | 3.0            |               |
| 12 Belledune             | 2.1            | 11            |
| 13 Nanaimo               | 1.8            |               |
| 14 Toronto               | 1.5            |               |
| 15 St. John's            | 1.5            |               |
| 16 Port Alberni          | 1.1            |               |
| 17 Saguenay              | 0.4            |               |
| <b>TOTAL:</b>            | <b>285.3</b>   | <b>4,685</b>  |

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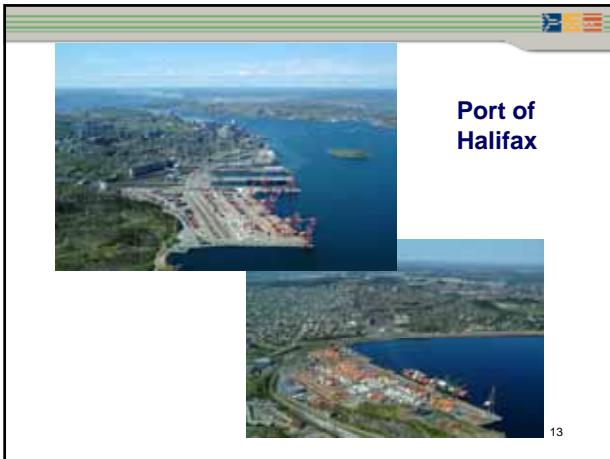
### Port Metro Vancouver

### Port of Prince Rupert

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### PORT OF MONTREAL

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**ARCTIC SHIPPING - CONTEXT**

- Highly dependent on marine transport for the annual resupply from southern Canada
- Challenging environment for marine transportation services:
  - Extreme ice and tidal conditions
  - Limited marine infrastructure
  - Requirements for specialized ice-class vessels and specialized skills
  - A short navigation season (typically June to November)
- Four major marine transport activities: Community resupply; Tourism; Resource extraction; Through navigation/transits.

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**ARCTIC SHIPPING - ACTIVITY**

- Freight activity in tonnes (2009)

|                 | General community freight | General resource freight | Bulk fuel supply |
|-----------------|---------------------------|--------------------------|------------------|
| Eastern Sealift | 54,500                    | 39,100                   | 139,900          |
| Western Sealift | 3,750                     | 3,850                    | 58,900           |
| Hudson Bay      | 4,300                     | 27,300                   | 38,500           |
| Mackenzie River | 8,900                     | 3,900                    | 26,200           |

- Voyages (2009)

| Stream                     | Number of sailings |
|----------------------------|--------------------|
| Northwest passage transits | 17                 |
| Eastern Sealift            | 33                 |
| Western Sealift            | 5                  |
| Hudson Bay                 | 19                 |
| Mackenzie River            | 23                 |

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## GOVERNMENT OF CANADA - KEY MARINE AGENCIES

- Department of Transport
  - Marine safety, vessel registry and seafarer certification, marine policy and legislation, marine security.
- Canadian Coast Guard
  - Aids to navigation, marine communication and traffic services, search and rescue, ice breaking.
- Canadian Border Services Agency
  - Customs, border enforcement.
- Environment Canada
  - Marine environmental legislation

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## LEGISLATIVE AND POLICY FRAMEWORK

- National Marine Policy (1995)
- Canada Marine Act (1998)
- Canada Shipping Act, 2001
- Marine Liability Act
- Coasting Trade Act
- Navigable Waters Protection Act
- Shipping Conferences Exemption Act
- Pilotage Act
- Marine Transportation Security Act
- Arctic Waters Pollution Prevention Act
- Marine and Aviation War Risks Act
- Bills of Lading Act
- Marine Insurance Act

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THANK YOU

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## Development of China's shipping industry

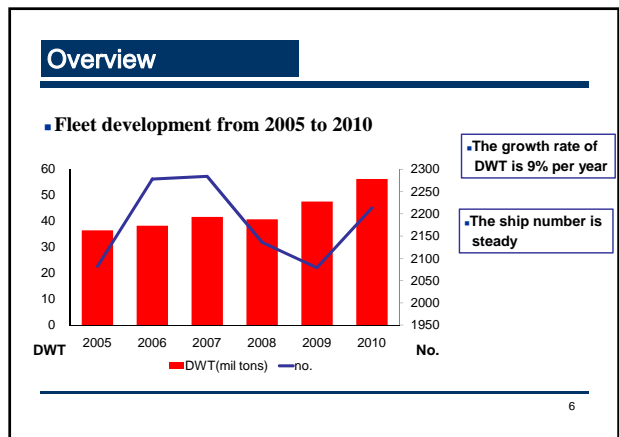
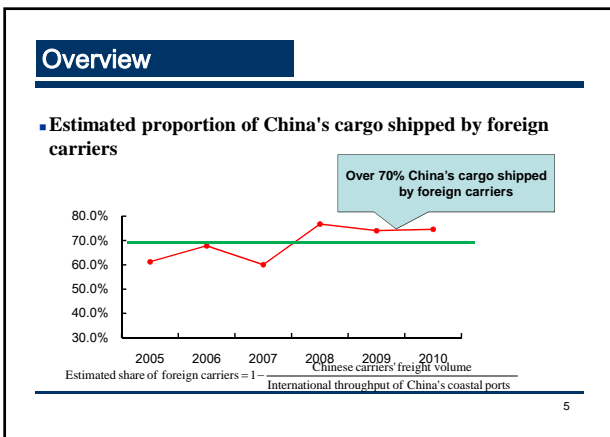
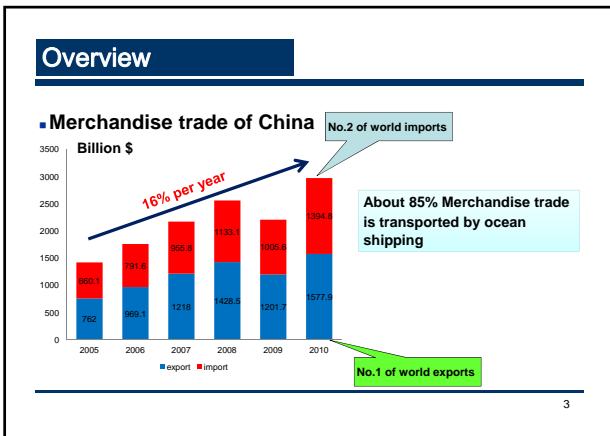
For 1<sup>st</sup> APEC TRAINING COURSE ON COMMON PRINCIPLES TO SHIPPING POLICY

December 2011  
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### Contents

- 1. Overview of whole international shipping industry
- 2. Tramp business
- 3. Liner business
- 4. Technical issues
- 5. Marine Labor
- 6. Port

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### Overview

|      | Total fleet |      | Oil tanker |      | Bulkier |      | Container ship |      |
|------|-------------|------|------------|------|---------|------|----------------|------|
|      | 1000dwt     | rank | 1000dwt    | rank | 1000dwt | rank | 1000dwt        | rank |
| 2000 | 38438       | 5    | 5514       | 12   | 21368   | 3    | 3541           | 5    |
| 2001 | 39865       | 5    | 5882       | 12   | 22546   | 3    | 3653           | 6    |
| 2002 | 40832       | 5    | 6244       | 11   | 22921   | 3    | 3970           | 6    |
| 2003 | 42735       | 4    | 6383       | 13   | 24405   | 3    | 4328           | 6    |
| 2004 | 45552       | 5    | 7437       | 13   | 25483   | 3    | 4734           | 6    |
| 2005 | 54140       | 4    | 10719      | 9    | 29649   | 3    | 5370           | 7    |
| 2006 | 64187       | 4    | 12937      | 8    | 35704   | 3    | 6454           | 6    |
| 2007 | 69069       | 4    | 14073      | 8    | 37557   | 3    | 7087           | 6    |
| 2008 | 83064       | 4    | 19878      | 5    | 42236   | 3    | 7825           | 6    |
| 2009 | 91192       | 4    | 23547      | 4    | 48019   | 3    | 8860           | 4    |
| 2010 | 101866      | 4    | 25319      | 3    | 56598   | 3    | 9345           | 4    |

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### Overview

- Shipping companies
  - Until 2010
  - 220 international shipping companies
  - Over 3600 NVOCCs
  - 8 Companies which operate fleet over 1 million DWT

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### Overview

Shipping companies—Top 4 by operate DWT

| Rank | Company         | Total |                | Self-owned |                | Chartered |                |
|------|-----------------|-------|----------------|------------|----------------|-----------|----------------|
|      |                 | no.   | DWT (mil tons) | no.        | DWT (mil tons) | no.       | DWT (mil tons) |
| 1    | COSCO (Group)   | 799   | 57.8           | 481        | 30.1           | 318       | 27.7           |
| 2    | CS(Group)       | 472   | 23.5           | 379        | 20.1           | 93        | 3.4            |
| 3    | Sinotrens & CSC | 1665  | 16.1           | 1503       | 11.1           | 162       | 5.0            |
| 4    | HOSCO           | 54    | 8.4            | 35         | 6.3            | 19        | 2.1            |

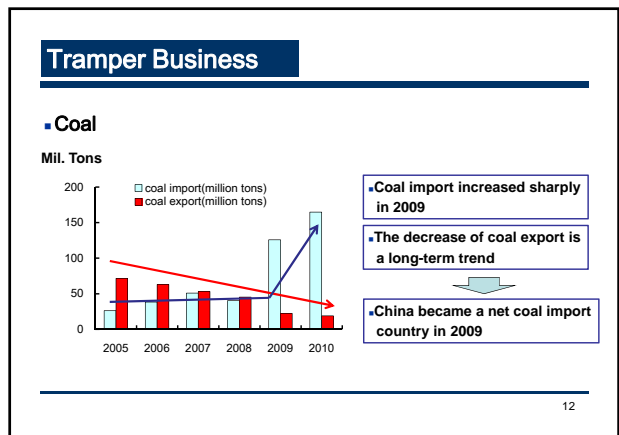
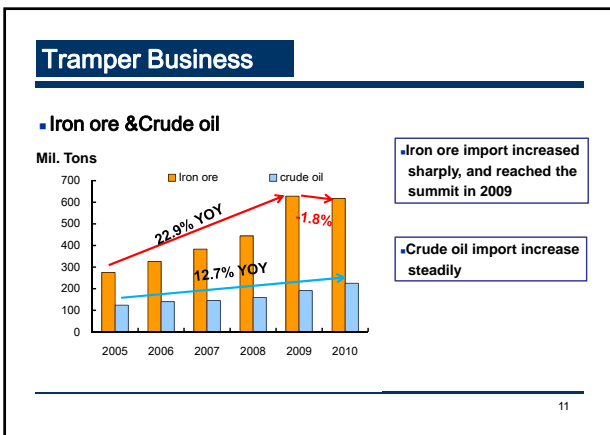
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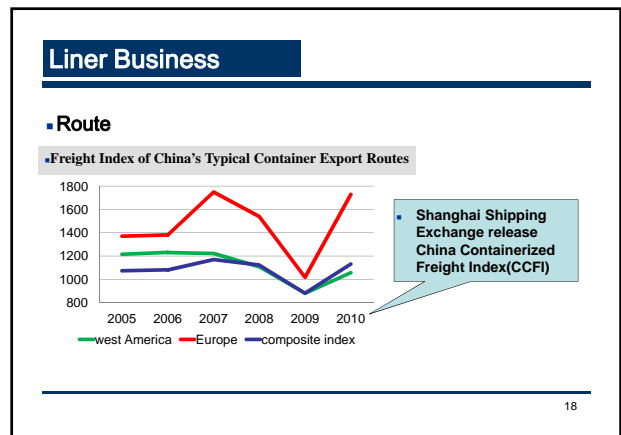
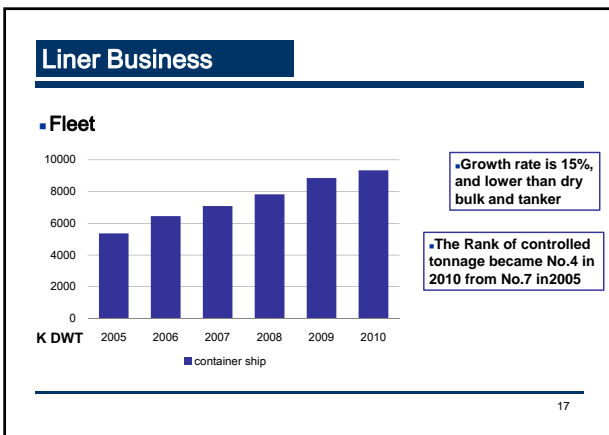
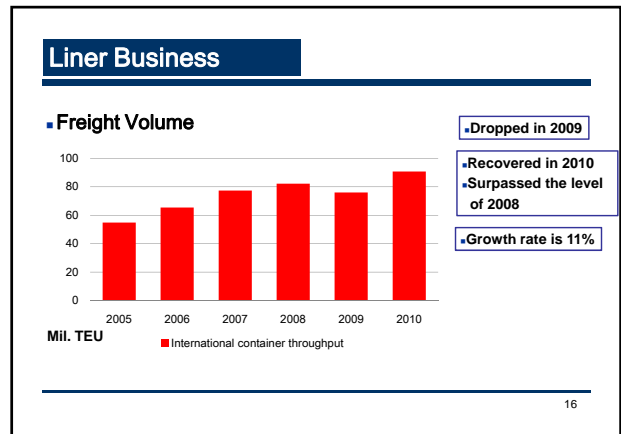
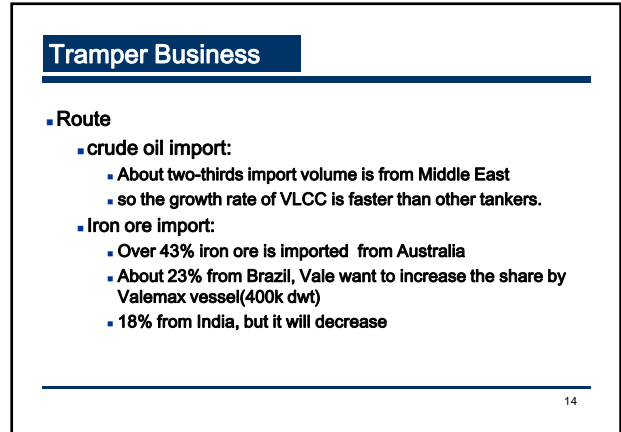
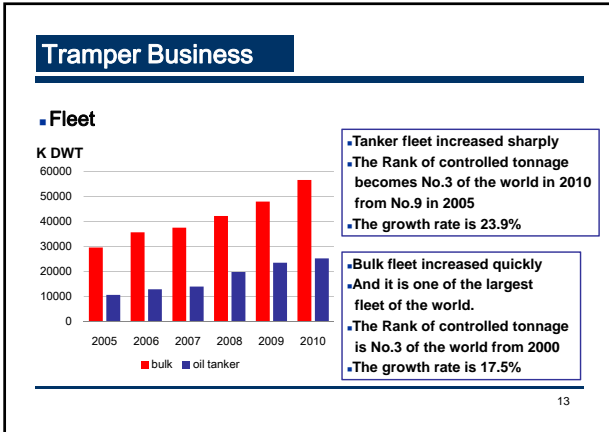
### Overview

Shipping companies—Financial performance

| Bil. Yuan         | Public Company                           | 2009 | 2010 | % change over prev. year |
|-------------------|--|------|------|--------------------------|
| Operating revenue | COSCO Holding(601919.sh )                | 55.7 | 80.6 | 44.6%                    |
|                   | COSCO Shipping ( 600428.sh )             | 3.9  | 4.4  | 12.9%                    |
|                   | CSCL ( 601866.sh )                       | 19.9 | 34.8 | 74.7%                    |
|                   | China Shipping Development ( 600026.sh ) | 8.9  | 11.4 | 27.9%                    |
| Net profit        | COSCO Holding(601919.sh )                | -6.7 | 8.0  | -                        |
|                   | COSCO Shipping ( 600428.sh )             | 0.1  | 0.3  | 177.7%                   |
|                   | CSCL ( 601866.sh )                       | -6.5 | 4.2  | -                        |
|                   | China Shipping Development ( 600026.sh ) | 1.1  | 1.7  | 61.7%                    |

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## Liner Business

### Companies

- COSCON is the largest container liner in China, and it is No.6 of the world.
  - Operate 149 vessels, 565.7 K TEU at the end of 2010
- CSCL is the second largest container liner in China, and it is No.8 of the world.
  - Operate 120 vessels, 460.9 K TEU at the end of 2010

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## Technical issues

- In the 12<sup>th</sup> five year planning, working emphasis of energy saving and emission reduction is about technical innovation, including **dual energy system** (diesel and LNG), **electronic propelling vehicle** in port, **mixed fuel engine** technique for inland river vessels, **full electronic container handling** technique, **fuel and gas recycling technique** in oil terminals, etc.
- Also, the central government has **allocated special funding** for promoting **energy saving and emission reduction**, which includes the framework construction of energy saving and emission reduction for waterborne transport, refunding for testing projects, stimulating to promote new projects, R&D and developing professional guide and standard, etc.

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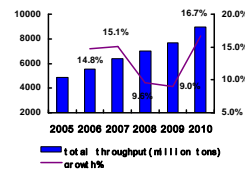
## Marine Labor

- Seafarers play an important role in the society: In IMO's report, it says, "Without seafarer's contribution, one half of the world would freeze, the other half of the people will starve."
- Currently, China has about 1.5 million seafarers
- In 1<sup>st</sup> Sep 2007, Chinese government issued REGULATIONS OF THE PEOPLE'S REPUBLIC OF CHINA ON SEAFARERS
- Following STCW, China has published MARITIME TRAFFIC SAFETY LAW OF THE PEOPLE'S REPUBLIC OF CHINA
- Chinese government take seafarers' safety, training and career development as an important mission.

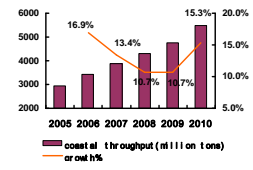
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## Port

Throughputs and growth rates of



Throughputs and growth rates of coastal ports

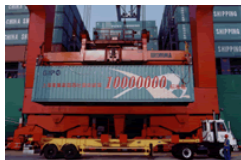


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## Port

Throughputs of China's top five ports in 2005 and 2010

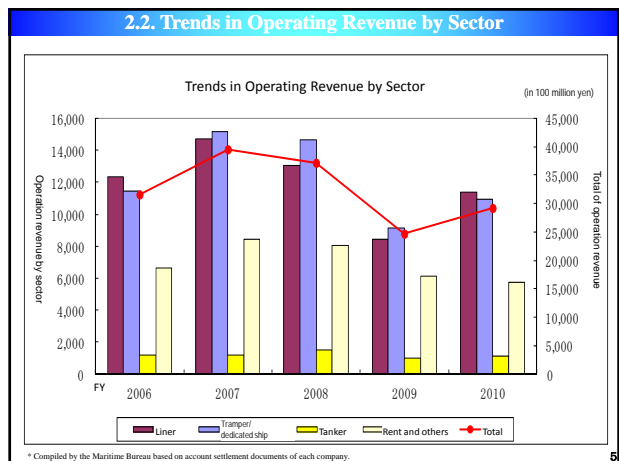
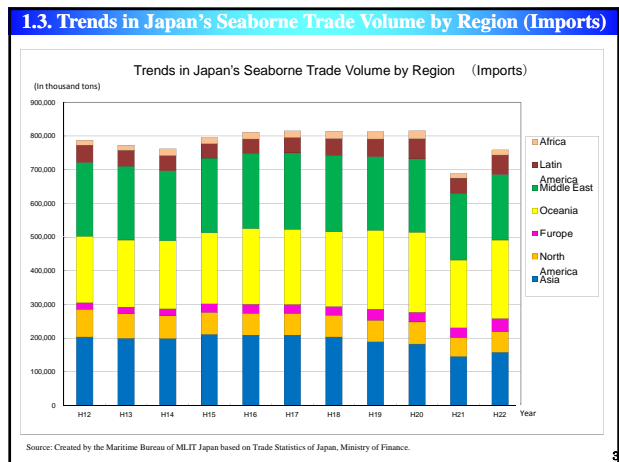
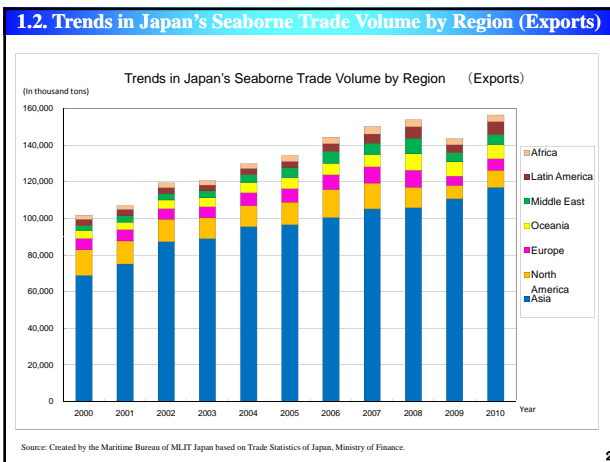
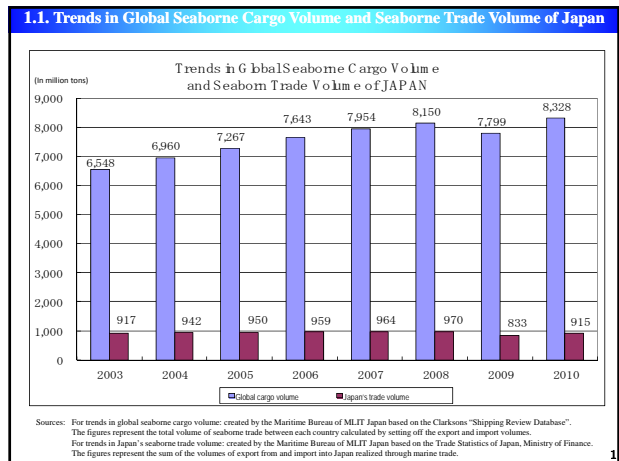
| 2005       | Throughput (million tons) | 2010              | Throughput (million tons) |
|------------|---------------------------|-------------------|---------------------------|
| Shang hai  | 443.2                     | Shang hai         | 653.4                     |
| Ning bo    | 268.8                     | Ning bo-Zhou shan | 633.0                     |
| Guang zhou | 250.4                     | Tian jin          | 413.3                     |
| Tian jin   | 240.7                     | Guang zhou        | 411.0                     |
| Qing dao   | 186.8                     | Qing dao          | 350.1                     |

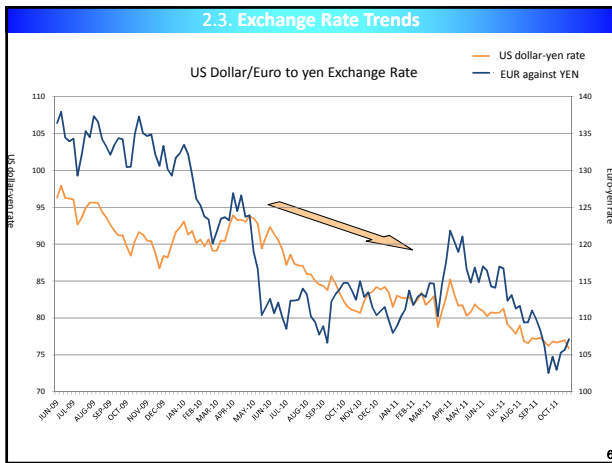


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THANK YOU!









Republic of the Philippines  
Department of Transportation & Communications  
Maritime Industry Authority



## THE PHILIPPINE OVERSEAS SHIPPING INDUSTRY

# THEME 1 : ACTIVITIES OF SHIPPING

## INFORMATION ON TRAMPER BUSINESS

### The Philippine Registered Overseas Fleet (Number and Tonnage)

| Year | Number                   |           |               | Total GRT | Total DWT |
|------|--------------------------|-----------|---------------|-----------|-----------|
|      | Bareboat Chartered Ships | Companies | Deleted Ships |           |           |
| 2000 | 242                      | 93        | 25            | 4,827,464 | 7,309,817 |
| 2001 | 201                      | 90        | 54            | 4,404,045 | 6,768,829 |
| 2002 | 170                      | 82        | 37            | 3,811,673 | 5,693,444 |
| 2003 | 166                      | 75        | 27            | 3,790,965 | 5,669,895 |
| 2004 | 169                      | 72        | 23            | 3,860,453 | 5,785,713 |
| 2005 | 165                      | 63        | 29            | 3,921,557 | 5,776,907 |
| 2006 | 157                      | 60        | 24            | 3,783,799 | 5,461,210 |
| 2007 | 156                      | 54        | 17            | 3,758,069 | 5,405,631 |
| 2008 | 164                      | 53        | 10            | 3,815,323 | 5,487,814 |
| 2009 | 170                      | 53        | 13            | 3,039,647 | 5,778,164 |
| 2010 | 170                      | 54        | 16            | 3,834,964 | 5,518,414 |

Source: Overseas Shipping Office, MARINA

### Philippine Overseas Shipping Companies

| Quick Facts  |                      |
|--|----------------------|
| No. of companies accredited under MC 181 as of 14 September 2011 | 68                   |
| Total Paid-Up Capitalization                                     | PHP 1,021,970,670.00 |
| No. of Philippine-registered overseas ships as of October 2011   | 165                  |

Source: Overseas Shipping Office, MARINA

# THEME 1 : ACTIVITIES OF SHIPPING

## INFORMATION ON LINER BUSINESS

### LINER BUSINESS

- The Philippine registered overseas fleet is not engaged in the liner business.
- In general, these overseas ships are chartered for limited engagement and may be found randomly in different parts of the world.

## THEME 1 : ACTIVITIES OF SHIPPING

### INFORMATION AND/OR CHALLENGES ON TECHNICAL ISSUES

#### IMO/ILO CONVENTIONS & PROTOCOLS ACCEDED BY THE PHILIPPINES

1. IMO Convention 48
2. IMO Amendments 91
3. IMO Amendments 93
4. SOLAS Convention 74
5. Load Lines Convention 66
6. Tonnage Convention 69
7. STCW Convention 78
8. STP Agreement 71
9. IMSO Convention 76
10. INMARSAT OA 76
11. MARPOL 73/78 (Annex I/II)
12. MARPOL 73/78 (Annex III)
13. MARPOL 73/78 (Annex IV)
14. MARPOL 73/78 (Annex V)
15. London Convention 72
16. CLC Protocol 92
17. Fund Protocol 92
18. SUA Convention 88
19. SUA Protocol 88

#### RECOGNIZED ORGANIZATIONS (RO) WITH MEMORANDUM OF AGREEMENT WITH MARINA PURSUANT TO IMO RES A.739(18)

1. American Bureau of Shipping (ABS)
2. Det Norske Veritas (DNV)
3. Lloyds Register of Shipping (LR)
4. Germanischer Lloyd (GL)
5. Registro Italiano Navale (RINA)
6. Hellenic Register of Shipping (HRS)
7. Korean Register of Shipping (KRS)
8. Nippon Kaiji Kyokai (NK)
9. China Classification Society (CCS)
10. Bureau Veritas (BV)
11. International Register of Shipping (IRS)

## THEME 1 : ACTIVITIES OF SHIPPING

### INFORMATION AND/OR CHALLENGES ON MARITIME LABOR

#### MARITIME LABOR

##### MARITIME LABOR CONVENTION (MLC, 2006)

\*As of 25 October 2010, 10 countries have already ratified this convention (Bahamas, Bosnia and Herzegovina, Bulgaria, Canada, Croatia, Liberia, Marshall Islands, Norway, Panama and Spain)

\*The tonnage requirement for the entry into force for this convention has already been met by the Philippines.

\*To ensure uniform implementation of this convention, specific responsibilities have been lodged with the:

1. Flag State : Maritime Industry Authority (MARINA)
2. Port State : Philippine Coast Guard (PCG)
3. Labor Supplying State : Department of Labor and Employment (DOLE)

\*Mandate of the Flag State :

\*For Domestic Shipping – MARINA intends to make a phased-in implementation by categorizing ships in terms of size and length of travel hours.

\*For International Shipping – implementation of the MLC can be done through the valid delegation of authority to recognized organizations (RO) pursuant to IMO Res A.739 (18)

## THEME 1 : ACTIVITIES OF SHIPPING

### INFORMATION ON PORT ACTIVITIES

### PORT ACTIVITIES

- The Philippines is a member of the Tokyo MOU.
- The Port State Control (PSC) is being exercised by the Philippine Coast Guard (PCG)
- The Philippines has ten (10) international ports which are ISPS code-compliant.
- Port management is lodged primarily with the Philippine Ports Authority (PPA)
- Some ports are under the supervision of autonomous port authorities like PHIVIDEC Industrial Authority, Subic Bay Metropolitan Authority (SBMA) and Cebu Port Authority (CPA)

### PORT ACTIVITIES

| Supervising Agency         | No. of Foreign Ship Calls (In/Out) |       | Foreign Container Traffic (TEU) (In/Out) |           | Foreign Cargo Traffic (MT) (In/Out)      |            |
|----------------------------|------------------------------------|-------|--|-----------|--|------------|
|                            | 2010                               | 2009  | 2010                                     | 2009      | 2010                                     | 2009       |
| Philippine Ports Authority | 10,798                             | 9,778 | 2,857,775                                | 2,418,492 | 96,598,780                               | 21,680,847 |
|                            | Variance : 1,020<br>% inc.: 10.43  |       | Variance : 439,283<br>% inc.: 18.16      |           | Variance : 74,917,933<br>% inc.: 345.55% |            |
| Cebu Port Authority        | 941                                | 801   | 202,213                                  | 178,879   | 6,317,778                                | 5,831,221  |
|                            | Variance: 140<br>% inc. : 17.48    |       | Variance: 23,334<br>% inc. : 13.04       |           | Variance : 486,557<br>% inc. : 8.34      |            |

Sources : Cebu Port Authority website [www.cpa.gov.ph](http://www.cpa.gov.ph)  
Philippine Ports Authority website [www.ppa.com.ph](http://www.ppa.com.ph)



## Activities of shipping

**Institute of Transportation, MOTC,  
Chinese Taipei**

2011.12.06

## Outline

- Existing ships and carriers
- The operations in international routes
- International commercial ports
- Major Operations
- Major Initiatives

## Existing ships and carriers

- As an island, Chinese Taipei's commodities were mainly transited by sea.
- At the end of 2010, there are 278 Chinese Taipei's ships of over 100 gross tonnages (G.T.), totaled 2.79 million gross tonnages, deadweight tonnage (D.W.T.) of 4.4 million tons.
- In Chinese Taipei, there are 156 shipping carriers, among which Evergreen Marine Corporation, Yangming Marine Transport Corporation, and Wan Hai Lines Ltd. provide container transportation services, while China Steel Express, U-ming, and Ta-Ho Maritime Corporation offer bulk transportation services.

## Existing ships and carriers

| Company                                       | Vessels | Gross Tonnage (GT) | Deadweight Tonnage (DWT) |
|---|---------|--------------------|--------------------------|
| China Steel Express Company (中鋼運通)            | 7       | 523,476            | 987,646                  |
| Yang Ming Marine Transport Corporation (陽明海運) | 12      | 434,337            | 446,746                  |
| U-Ming Marine Transport Corporation (海長航運)    | 8       | 128,738            | 226,878                  |
| Wan Hai Lines LTD. (萬海航運)                     | 6       | 96,228             | 124,942                  |
| Evergreen Marine corporation                  | 7       | 91,638             | 118,247                  |
| Ta-Ho Maritime Corporation (達和航運)             | 5       | 85,480             | 148,412                  |
| Subtotal                                      | 45      | 1,359,897          | 2,052,871                |
| Other public and private sector organizations | 233     | 1,420,279          | 2,347,459                |
| total   | 278     | 2,789,176          | 4,400,330                |

## Existing ships

- Recent 9 years, the vessels of Chinese Taipei's passenger and cargo ship of over 100 gross tonnages

| Year | Vessels | Gross Tonnage (GT) | Deadweight Tonnage (DWT) |
|------|---------|--------------------|--------------------------|
| 2002 | 272     | 4,234,610          | 6,789,778                |
| 2003 | 267     | 3,735,336          | 6,091,323                |
| 2004 | 272     | 3,707,115          | 5,998,972                |
| 2005 | 270     | 3,374,761          | 5,484,290                |
| 2006 | 258     | 3,005,203          | 4,962,058                |
| 2007 | 262     | 2,855,041          | 4,672,289                |
| 2008 | 267     | 2,868,332          | 4,709,741                |
| 2009 | 267     | 2,703,834          | 4,237,587                |
| 2010 | 278     | 2,789,176          | 4,400,330                |

## Existing ships

- Chinese Taipei's vessels registration by category and type (1)

| Category    | Type               | Vessels | Gross Tonnage | D.W.T     |
|-------------|--------------------|---------|---------------|-----------|
| >1,000 G.T  | General Cargo      | 43      | 196,621       | 297,283   |
|             | Bulk Carrier       | 20      | 931,605       | 1,735,831 |
|             | Container Ship     | 34      | 705,481       | 805,945   |
|             | Oil Tanker         | 13      | 550,529       | 932,692   |
|             | Passenger Ship     | 6       | 23,382        | 4,528     |
|             | Other Special Ship | 20      | 325,855       | 563,860   |
|             | Subtotal           | 136     | 2,733,473     | 4,340,139 |
| 500-999 G.T | General Cargo      | 23      | 18,017        | 20,090    |
|             | Bulk Carrier       | 0       | 0             | 0         |
|             | Container Ship     | 1       | 834           | 738       |
|             | Oil Tanker         | 4       | 3,704         | 6,373     |
|             | Passenger Ship     | 0       | 0             | 0         |
|             | Other Special Ship | 9       | 7,398         | 12,718    |
|             | Subtotal           | 37      | 29,953        | 39,919    |
| 100-500 G.T | General Cargo      | 23      | 6,474         | 7,476     |
|             | Bulk Carrier       | 1       | 188           | 60        |
|             | Container Ship     | 0       | 0             | 0         |
|             | Oil Tanker         | 5       | 1,475         | 2,028     |
|             | Passenger Ship     | 58      | 12,806        | 2,012     |
|             | Other Special Ship | 18      | 4,807         | 8,696     |
|             | Subtotal           | 105     | 25,750        | 20,272    |
|             | Total              | 278     | 2,789,176     | 4,400,330 |

### Existing ships

Chinese Taipei's vessels registration by category and type (2)

| Category       | Total   |           | General Cargo |         | Bulk Carrier |         | Container Ship |         | Oil Tank  |         | Passenger ship |           | Other Special Ship |         |         |
|----------------|---------|-----------|---------------|---------|--------------|---------|----------------|---------|-----------|---------|----------------|-----------|--------------------|---------|---------|
|                | Vessels | G.T       | D.W.T         | Vessels | G.T          | D.W.T   | Vessels        | G.T     | D.W.T     | Vessels | G.T            | D.W.T     | Vessels            | G.T     |         |
| Total          | 278     | 2,789,176 | 4,400,330     | 89      | 221,112      | 324,844 | 21             | 531,701 | 1,755,800 | 35      | 706,311        | 5,806,683 | 22                 | 555,700 | 541,008 |
| Under 500      | 168     | 25,720    | 20,272        | 23      | 6,474        | 7,476   | 1              | 188     | 0         | 0       | 5              | 1,475     | 2,025              | 58      | 12,802  |
| 500-999        | 37      | 29,953    | 39,918        | 23      | 18,017       | 20,090  | 0              | 4       | 1         | 834     | 738            | 4         | 3,704              | 6,374   | 0       |
| 1000-2999      | 44      | 72,051    | 92,656        | 31      | 48,313       | 28,972  | 1              | 2,268   | 3,216     | 2       | 4,748          | 7,612     | 4                  | 5,764   | 9,763   |
| 3000-4999      | 14      | 55,208    | 79,926        | 5       | 21,007       | 31,765  | 0              | 4       | 1         | 12,322  | 20,447         | 2         | 7,203              | 10,908  |         |
| 5000-9999      | 12      | 83,628    | 105,898       | 4       | 24,451       | 31,228  | 0              | 0       | 0         | 0       | 0              | 2         | 13,171             | 3,262   |         |
| 10000-19999    | 31      | 451,698   | 611,177       | 1       | 15,043       | 23,916  | 2              | 51,718  | 75,478    | 21      | 114,743        | 407,556   | 0                  | 0       |         |
| 20000-39999    | 9       | 278,228   | 497,595       | 1       | 20,502       | 35,661  | 0              | 205,582 | 375,537   | 0       | 0              | 2         | 54,144             | 86,397  |         |
| 40000-59999    | 13      | 619,088   | 812,335       | 0       | 0            | 0       | 2              | 86,343  | 161,108   | 8       | 373,666        | 470,330   | 1                  | 59,933  |         |
| 60000 and over | 13      | 1,174,098 | 2,140,550     | 1       | 66,909       | 115,721 | 7              | 287,681 | 1,120,492 | 0       | 4              | 423,488   | 720,765            | 0       |         |
| Average G.T    |         | 16,313    |               |         | 2,114        |         |                | 44,371  |           |         | 20,180         |           |                    | 24,164  |         |

### Existing ships

Chinese Taipei's vessels registration by type and age

| Ages              | Total   |           | General Cargo |         | Bulk Carrier |         | Container Ship |         | Oil Tank  |         | Passenger ship |           | Other Special Ship |         |
|-------------------|---------|-----------|---------------|---------|--------------|---------|----------------|---------|-----------|---------|----------------|-----------|--------------------|---------|
|                   | Vessels | G.T       | D.W.T         | Vessels | G.T          | D.W.T   | Vessels        | G.T     | D.W.T     | Vessels | G.T            | D.W.T     | Vessels            | G.T     |
| Total             | 278     | 2,789,176 | 4,400,330     | 89      | 221,112      | 324,844 | 21             | 531,701 | 1,755,800 | 35      | 706,311        | 5,806,683 | 22                 | 555,700 |
| Under 5 years     | 11      | 95,022    | 159,463       | 1       | 1,681        | 2,709   | 2              | 75,214  | 134,026   | 0       | 0              | 0         | 0                  | 0       |
| 5-10 years        | 22      | 277,116   | 476,855       | 4       | 4            | 5       | 195,028        | 370,309 | 4         | 40,660  | 76,416         | 0,000     | 1,620              | 4,951   |
| 10-15 years       | 64      | 882,019   | 1,478,428     | 14      | 18,411       | 19,108  | 12             | 59,950  | 1,038,794 | 4       | 471,902        | 97,488    | 14,324             | 2       |
| 15-20 years       | 68      | 1,041,614 | 1,512,936     | 4       | 18,867       | 21,054  | 1              | 77,131  | 151,060   | 14      | 464,460        | 448,851   | 12,640             | 11      |
| 20 years and over | 117     | 493,405   | 772,645       | 65      | 142,147      | 241,639 | 3              | 24,465  | 40,991    | 5       | 43,657         | 63,088    | 2,766              | 4       |
| Average Ship Age  |         | 19        |               |         | 27           |         |                | 15      |           |         | 15             |           |                    | 19      |

### The operations in international routes

- Chinese Taipei's shipping carriers mainly provide container and bulk cargo transportation service
- Main international routes:
  - "Asia — America / Europe / Australia / South Africa",
  - "Europe — Asia / America / Mediterranean / South Africa",
  - " America — Asia / European / Mediterranean ",
  - " Asian range "
- Liner shipping
  - Container carrier: Evergreen Marine Corporation, Yangming Marine Transport Corporation, and Wan Hai Lines Ltd.
- Tramp shipping
  - Bulk carrier: U-ming, China Steel Express Company and Ta-Ho Maritime Corporation

### International commercial ports

- There are currently seven international commercial ports in the Chinese Taipei area, including: Keelung, Kaohsiung, Hualien, Taipei, Taichung, Su-ao and Anping which play very important roles in economic development.
- Container handling by Chinese Taipei's international harbors in 2008 totaled 12.98 million TEU
- The amount of cargo handled amounted to 668.28 million revenue tons
- Total throughput was 281.26 million metric tons
- Passengers entering and exiting through Chinese Taipei's international commercial harbors in 2008 reached 50.7 thousand.

### International commercial ports

- Kaohsiung Harbor, which is Chinese Taipei's leading international commercial port, and also a key port in the world, handled the container throughput of 9.68 million TEU in 2008
  - Anping Harbor serves as its auxiliary port.
- Keelung Harbor, which handled the container throughput of 2.06 million TEU in 2008 is also one of the world's major container ports.
  - Su-ao Harbor serves as its auxiliary port.
  - Taipei Harbor has started the operation of bulk terminal since 1998 and continues carrying out plans such as building its infrastructure. Two wharves of participation by the private sector to invest in the construction of container storage and transportation center were started to operate in Feb, 2009.
- Taichung Harbor, which handled the container throughput of 1.24 million TEU in 2008, provides a gateway to central Chinese Taipei for promoting a balanced regional development.
- Hualien Harbor is the international port that bears responsibility for eastern Chinese Taipei's shipping connection with the outside world





### International commercial ports

Volume of loading and unloading by international commercial ports

| Type   | 2006                |        | 2007                |        | 2008                |        | 2009                |        | 2010                |        |
|--|---------------------|--------|---------------------|--------|---------------------|--------|---------------------|--------|---------------------|--------|
|  | Tonnage (1000 R.T.) | %      | Tonnage (1000 R.T.) | %      | Tonnage (1000 R.T.) | %      | Tonnage (1000 R.T.) | %      | Tonnage (1000 R.T.) | %      |
| International Commercial Port and auxiliary port | 706,506             | 100.0% | 710,258             | 100.0% | 668,279             | 100.0% | 605,745             | 100.0% | 655,400             | 100.0% |
| 1. Keelung Harbor                                | 99,479              | 14.1%  | 97,210              | 13.7%  | 91,261              | 13.7%  | 69,991              | 11.6%  | 76,675              | 11.7%  |
| 2. Kaohsiung Harbor                              | 464,884             | 65.8%  | 477,622             | 67.2%  | 448,992             | 67.2%  | 397,196             | 65.6%  | 423,074             | 64.6%  |
| 3. Hualien Harbor                                | 20,072              | 2.8%   | 19,381              | 2.7%   | 17,420              | 2.6%   | 13,730              | 2.3%   | 14,268              | 2.2%   |
| 4. Taichung Harbor                               | 90,222              | 12.8%  | 90,795              | 12.8%  | 89,294              | 13.4%  | 89,265              | 14.7%  | 107,021             | 16.3%  |
| 5. Suao  | 6,604               | 0.9%   | 6,018               | 0.8%   | 5,003               | 0.7%   | 5,177               | 0.9%   | 5,756               | 0.9%   |
| 6. Anping Harbor                                 | 11,150              | 1.6%   | 7,547               | 1.1%   | 6,671               | 1.0%   | 6,686               | 1.1%   | 1,237               | 0.2%   |
| 7. Taipei Harbor                                 | 13,994              | 2.0%   | 11,685              | 1.6%   | 9,637               | 1.4%   | 23,760              | 3.9%   | 27,360              | 4.2%   |

### International commercial ports

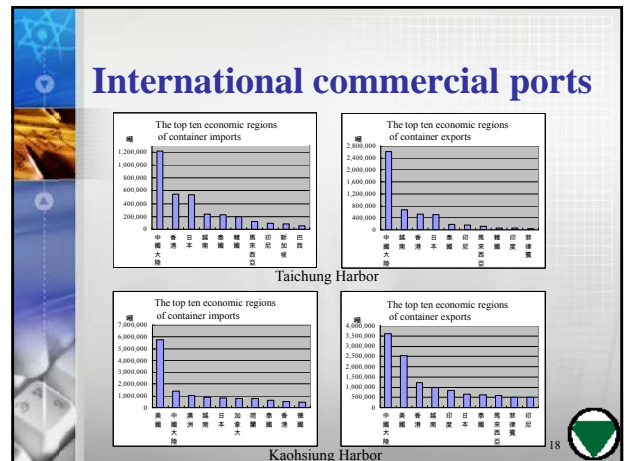
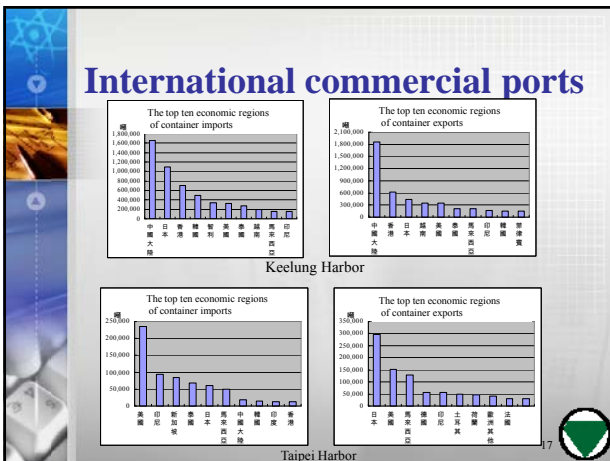
Distribution of ports' import and export of container cargo - weight tons of goods (2010)

| 區域別 | 基隆港        |           | 高雄港       |           | 花蓮港       |           | 台中港        |            | 蘇澳港        |           | 安平港     |           | 台北港       |           |
|-----|------------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|-----------|---------|-----------|-----------|-----------|
|     | 合計         | 進出口       | 合計        | 進出口       | 合計        | 進出口       | 合計         | 進出口        | 合計         | 進出口       | 合計      | 進出口       | 合計        | 進出口       |
| 總計  | 11,029,901 | 6,900,171 | 5,759,730 | 3,679,621 | 3,002,291 | 2,549,249 | 37,002,535 | 18,526,250 | 18,549,113 | 1,021,333 | 804,620 | 1,249,935 | 1,974,492 | 5,081,825 |
| 基隆港 | 9,754,492  | 5,081,825 | 4,702,662 | 3,418,302 | 3,343,384 | 3,075,614 | 18,499,683 | 6,878,608  | 11,821,080 | 324,681   | 469,494 | 755,135   | 3,517,688 | 1,655,768 |
| 高雄港 | 3,517,688  | 1,655,768 | 1,861,440 | 1,333,699 | 1,219,589 | 2,614,110 | 5,003,640  | 1,384,451  | 3,619,189  | 315,088   | 18,732  | 296,348   | 5,537,616 | 2,985,904 |
| 花蓮港 | 20,072     | 19,381    | 17,420    | 13,730    | 13,730    | 13,730    | 13,730     | 13,730     | 13,730     | 13,730    | 13,730  | 13,730    | 13,730    | 13,730    |
| 台中港 | 90,222     | 89,265    | 89,265    | 89,265    | 89,265    | 89,265    | 89,265     | 89,265     | 89,265     | 89,265    | 89,265  | 89,265    | 89,265    | 89,265    |
| 蘇澳港 | 6,604      | 5,177     | 5,177     | 5,177     | 5,177     | 5,177     | 5,177      | 5,177      | 5,177      | 5,177     | 5,177   | 5,177     | 5,177     | 5,177     |
| 安平港 | 11,150     | 1,237     | 1,237     | 1,237     | 1,237     | 1,237     | 1,237      | 1,237      | 1,237      | 1,237     | 1,237   | 1,237     | 1,237     | 1,237     |
| 台北港 | 13,994     | 27,360    | 27,360    | 27,360    | 27,360    | 27,360    | 27,360     | 27,360     | 27,360     | 27,360    | 27,360  | 27,360    | 27,360    | 27,360    |

### International commercial ports

Distribution of ports' import and export of container cargo - percentage (2010)

| 區域別 | 基隆港    |        | 高雄港    |        | 花蓮港    |        | 台中港    |        | 蘇澳港    |        | 安平港    |        | 台北港    |        |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|     | 合計     | 進出口    | 合計     | 進出口    | 合計     | 進出口    | 合計     | 進出口    | 合計     | 進出口    | 合計     | 進出口    | 合計     | 進出口    |
| 總計  | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| 基隆港 | 88.5%  | 72.3%  | 81.8%  | 93.0%  | 110.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| 高雄港 | 31.8%  | 23.9%  | 31.1%  | 35.7%  | 37.0%  | 43.8%  | 37.0%  | 43.8%  | 37.0%  | 43.8%  | 37.0%  | 43.8%  | 37.0%  | 43.8%  |
| 花蓮港 | 0.2%   | 0.2%   | 0.3%   | 0.4%   | 0.4%   | 0.5%   | 0.4%   | 0.5%   | 0.4%   | 0.5%   | 0.4%   | 0.5%   | 0.4%   | 0.5%   |
| 台中港 | 0.8%   | 0.8%   | 0.8%   | 0.8%   | 0.8%   | 0.8%   | 0.8%   | 0.8%   | 0.8%   | 0.8%   | 0.8%   | 0.8%   | 0.8%   | 0.8%   |
| 蘇澳港 | 0.1%   | 0.1%   | 0.1%   | 0.1%   | 0.1%   | 0.1%   | 0.1%   | 0.1%   | 0.1%   | 0.1%   | 0.1%   | 0.1%   | 0.1%   | 0.1%   |
| 安平港 | 0.1%   | 0.2%   | 0.2%   | 0.3%   | 0.3%   | 0.3%   | 0.3%   | 0.3%   | 0.3%   | 0.3%   | 0.3%   | 0.3%   | 0.3%   | 0.3%   |
| 台北港 | 0.1%   | 0.2%   | 0.2%   | 0.3%   | 0.3%   | 0.3%   | 0.3%   | 0.3%   | 0.3%   | 0.3%   | 0.3%   | 0.3%   | 0.3%   | 0.3%   |





## International commercial ports

- Kaohsiung Harbor has good location, natural port advantages, modern facilities, direct links to worldwide ports, and sufficient container capacity.
- Kaohsiung Harbor handles almost 75% Chinese Taipei's container traffic and 67% of Chinese Taipei's total international trade volume.

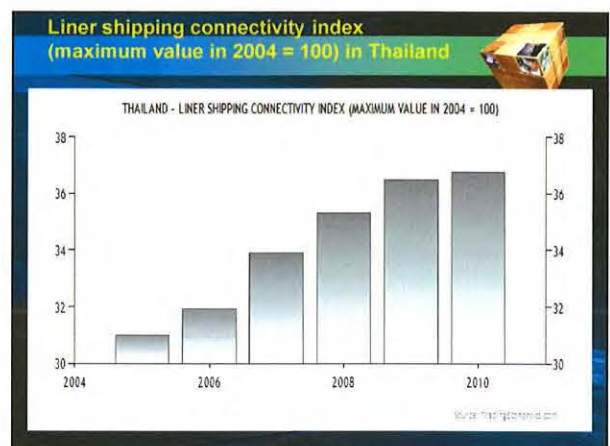
## Major Operations

- Kaohsiung Harbor will focus on port of omni-bearing hub of logistics and Asia-Pacific transshipment center;
- Keelung Harbor will concentrate on the transportation and sale port for Near-Sea Shipping Line and the anchorage port for cross-strait passenger & commodity shipping and around-the-world cruise in northern area;
- Taipei Harbor plays the role of Ocean Going Shipping Line container port and global logistics port in northern area;
- Taichung Harbor will be the Near-Sea Shipping Line and Regional Container feeder port, as well as the major energy resources, heavy industry, petrochemical importing and oil storage and transportation center;
- Hualien Harbor will be developed as tourism port, and eastern gravel and mining (sand) stone, stone storage and transportation port.

## Major Initiatives

- Developing Chinese Taipei as a sea transportation center primarily involves establishing the island as an East Asian hub for container transshipment and related cargo processing. Also, by facilitating the flow of goods between Chinese Taipei and East Asian countries, it will strengthen Chinese Taipei's role as an Asia-Pacific commercial hub and aid the island's development as a manufacturing center.
- To keep in the trend towards globalization, attracting foreign investment into Chinese Taipei, and improving trade liberalization and internationalization, the port authorities have developed Free Trade Zones (FTZs) at the island's four international commercial ports: Kaohsiung, Keelung, Taichung, and Taipei. By the end of 2008, 62 FTZ enterprises had been approved to operate. Once fully engaged, these FTZs can be expected to further streamline port operations.

Thank you for your  
attention



**TOP CONTAINER PORTS IN THE WORLD IN 2010 PRELIMINARY**

| RANKING | WORLD PORTS                     | MILLION TEUs |
|---------|---------------------------------|--------------|
| 1       | Shanghai, China                 | 29.07        |
| 2       | Singapore, Singapore            | 28.43        |
| 3       | Hong Kong, China                | 23.70        |
| 4       | Shenzhen, China                 | 22.51        |
| 5       | Busan, Korea                    | 14.19        |
| 6       | Ningbo-Zhoushan, China          | 13.14        |
| 7       | Guangzhou Harbor, China         | 12.55        |
| 8       | Qingdao, China                  | 12.01        |
| 9       | Dubai, United Arab Emirates     | 11.60        |
| 10      | Rotterdam, Netherlands          | 11.14        |
| 11      | Tianjin, China                  | 10.08        |
| 12      | Kaohsiung, Chinese Taipei       | 9.18         |
| 13      | Port Kelang, Malaysia           | 8.87         |
| 14      | Antwerp, Belgium                | 8.47         |
| 15      | Hamburg, Germany                | 7.91         |
| 16      | Tanjung Pelepas, Malaysia       | 6.5417       |
| 17      | Los Angeles, U.S.A.             | 6.5018       |
| 18      | Long Beach, U.S.A.              | 6.26         |
| 19      | Xiamen, China                   | 5.82         |
| 20      | New York and New Jersey, U.S.A. | 5.29         |
| 21      | Dalian, China                   | 5.28         |
| 22      | Laem Chabang, Thailand          | 5.19         |

Source: <http://WWW.Worldshipping.org/about-the-industry/global-trade/top-60-world-container-ports>



### Outbound Logistics Lead Time Summary From Thailand

| From Thailand to | Sea Port     | Lead Time By Seafreight | Lead Time By Road | Air Port           | Lead Time By Airfreight |
|------------------|--------------|-------------------------|-------------------|--------------------|-------------------------|
| Brunel           | Muara        | 4 days                  |                   | Banda Seri Begawan | 1-2 days                |
| Indonesia        | Jakarta      | 3-5 days                |                   | Jakarta            | 1 day                   |
|                  | Surabaya     | 7-8 days                |                   | Surabaya           | 1-2 days                |
|                  | Semarang     | 7-12 days               |                   |                    |                         |
|                  | Belawan      | 4-8 days                |                   |                    |                         |
| Philippines      | Manila       | 4-5 days                |                   | Manila             | 1 day                   |
| Singapore        | Singapore    | 2-3 days                | 3 days            | Singapore          | 1 day                   |
| Malaysia         | Port Klang   | 3-4 days                | 3 days            | Kuala Lumpur       | 1 day                   |
|                  | Penang       | 6-10 days               | 2 days            | Penang             | 1 day                   |
|                  | Pasir Gudang | 3-5 days                |                   |                    |                         |
| Myanmar          | Rangoon      | 9 days                  |                   | Rangoon            | 1 day                   |

### Outbound Logistics Lead Time Summary From Thailand

| From Thailand to | Sea Port         | Lead Time By Seafreight | Lead Time by Road | Air Port         | Lead Time By Airfreight |
|------------------|------------------|-------------------------|-------------------|------------------|-------------------------|
| Vietnam          | Ho Chi Minh      | 2-3 days                |                   | Ho Chi Minh      | 1 day                   |
|                  | Haiphong         | 4-6 days                | Hanoi 4 days      | Hanoi            | 1 day                   |
| Cambodia         | Phnom Penh       | 2 days                  |                   | Phnom Penh       | 1-2 days                |
|                  | Sihanouville     | 12 days                 |                   |                  |                         |
| Laos PDR         |                  |                         | Vientiane 1 day   | Vientiane        | 1 day                   |
| Hong Kong, China | Hong Kong, China | 4 days                  |                   | Hong Kong, China | 1 day                   |
| China            | Shanghai         | 7-8 days                |                   | Shanghai         | 1 day                   |
|                  | Huangpu          | 7 days                  |                   |                  |                         |
|                  | Shenzhen         | 7-10 days               | 7-8 days          | Shenzhen         | 1 day                   |
|                  | Shekou           | 4-5 days                |                   |                  |                         |
|                  | Zhuhai           | 7-10 days               |                   | Guangzhou        | 1-2 days                |
|                  | Shantou          | 13-14 days              |                   | Shantou          | 1 day                   |

### Overview of Major Ports in Thailand

#### Numbers of Ports in Thailand

| Type of Ports          | Total      |
|------------------------|------------|
| 1. Domestic Ports      | 97         |
| 2. International Ports | 99         |
| 3. Coastal Ports       | 233        |
| 4. Passenger Ports     | 138        |
| <b>Total</b>           | <b>567</b> |

### POLICY AND INSTITUTIONAL FRAMEWORK in water transport in Thailand

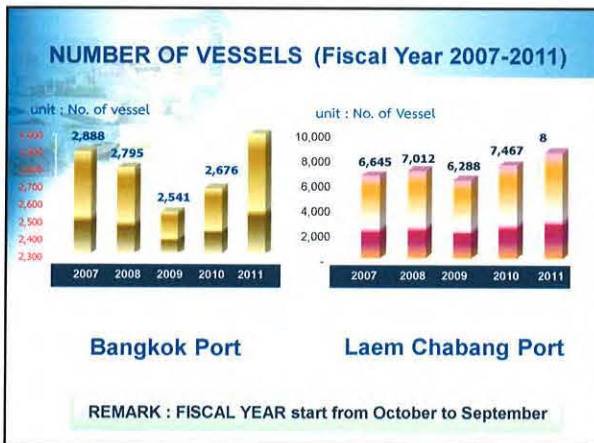
| AGENCY  | POLICY | REGULATION & MONITORING | IMPLEMENTATION |
|---|--------|-------------------------|----------------|
| MINISTRY OF TRANSPORT (MOT)                         | X      |                         |                |
| OFFICE OF TRANSPORT AND TRAFFIC POLICY AND PLANNING | X      |                         |                |
| MARINE DEPARTMENT                                   |        | X                       | X              |
| PORT AUTHORITY OF THAILAND (PAT)                    |        | X                       | X              |
| THAI MARITIME NAVIGATION                            |        |                         | X              |
| BANGKOK DOCK  |        |                         | X              |
| PRIVATE SECTOR                                      |        |                         | X              |

### Port Authority of Thailand (PAT)

is public state enterprise under the supervision of the Ministry of Transport (MOT).

### VISION

The Port Authority of Thailand aims to be the main gateway of the country providing excellent services, enhancing safety, boosting economic growth and increasing national competitive edge.



**Laem Chabang Port(LCP) "A world class"**

**Vision : To Be a Gateway of the GMS Region.**

- Southern of China
- Laos
- Cambodia
- Viet Nam
- Myanmar

A map showing South Asia, the Middle East, Europe, and Japan/China/Pacific/USA, with shipping routes connecting them.

**Laem Chabang Port (LCP) Development**

**Laem Chabang Port Phase I**

Aerial view of the port development with phases A1-A5 and B1-B5 labeled. Includes a legend for activities and total capacity.

**Activities**

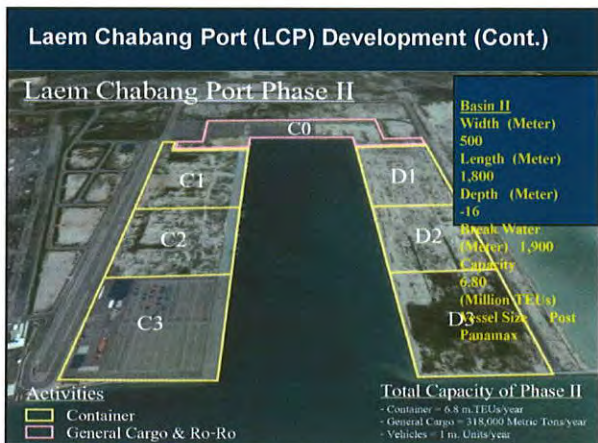
- Container
- Domestic
- Passengers & Ro-Ro
- Multi Purpose
- Agri-Bulk
- Ro-Ro
- Shipyard

**Total Capacity of Phase I**

- Container = 4 m. TEUs/year
- General Cargo = 2.25 m. Metric Tons/year
- Vehicles = 950,000 Units/year

**Basin I**

- Width (Meter) 400
- Length (Meter) 1,600
- Depth (Meter) -14



# US Safety and Security Regulations

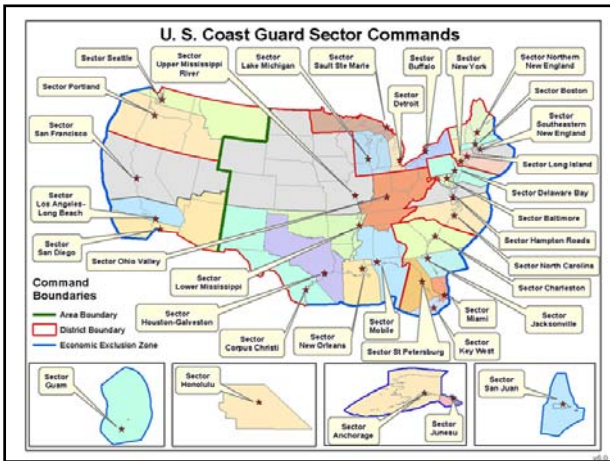


**CDR Tom Griffiths**  
Executive Officer, USCG Activities Far East

## USCG ACTIVITIES FAR EAST



- **BACKGROUND**
  - USCG Activities Far East/Marine Inspection Office Asia (FEACT) in Tokyo, Japan was established in 1994
  - Flag state inspections and investigations for U.S. flag vessels operating in Asia
  - International Port Security Program – collaboration with US trading partners on commercial port security
- **LOCATION**
  - FEACT is located on Yokota AB, Japan, with a detachments in Singapore and South Korea



## Regulatory Regime


- Laws are passed through Congress and President
- USCG drafts and publishes regulations
  - Notice of Federal Register
  - Proposed – Interim – Final
  - Public comment critical
  - Harmonize with international standards
- Policy
  - Navigation and Vessel Circulars
  - Manuals
  - Letters

## Ensuring Safety and Security

- Law Enforcement
- Flag State oversight
  - Vessel inspections (safety and security)
  - Licensing requirements
  - Casualty Investigations
  - Violation Investigations
- Port State Control
- Facility Compliance
  - Safety Inspections
  - Security Inspections

## PORT STATE CONTROL EXAMS

**PURPOSE:**  
To Eliminate Sub-Standard ships



U.S. intervenes when a foreign vessel's operational condition or crew do not substantially meet applicable international conventions to ensure the vessel will not proceed to sea when it presents a danger to the vessel, its crew, the port, or cause harm to the marine environment.

## Port Security Advisory 03-11

Effective Date: 27 May 2011

The Maritime Transportation Security Act of 2002 (MTSA) has mandated that the United States Coast Guard evaluate the effectiveness of anti-terrorism measures in foreign ports and provides for the imposition of conditions of entry on vessels arriving to the United States from countries that do not maintain effective anti-terrorism measures

- ▶ Comoros
- ▶ Cote d'Ivoire
- ▶ Cambodia
- ▶ Cameroon
- ▶ Congo, Republic of the
- ▶ Cuba
- ▶ Equatorial Guinea
- ▶ Guinea-Bissau
- ▶ Indonesia
- ▶ Iran
- ▶ Liberia
- ▶ Madagascar
- ▶ Sao Tome and Principe
- ▶ Syria
- ▶ Timor-Leste
- ▶ Venezuela

## Requirements to Trade in U.S. Waters

- ▶ E-Notice of Arrival
- ▶ Certificate of Financial Responsibility
- ▶ Letter of Deviation
- ▶ Ballast water management
- ▶ Vessel General Permit
- ▶ Non Tank Vessel Response Plan
- ▶ Certificate of Compliance exam

## Certificate of Compliance Examinations



## Other Security Requirements

- ▶ The U.S. Customs and Border Protection Agency (CBP) screens each crew member for U.S. visa status and nationality
- ▶ Screening results determine if a crewmember is a high-risk crewmember who must be detained on board
- ▶ Vessels determined to have high risk crewmembers on board are required by the USCG Captain of the Port to develop and implement a Crew Security Plan as part of a MOU between USCG and CBP
- ▶ The number and qualifications of security guards is determined by the number of high risk crewmembers on board

## VESSELS BANNED FROM OPERATING IN THE U.S.A.

In accordance with Commandant CG-543 Policy Letter 10-03 dated 1 Sept 2010  
 Available at: <http://homeport.uscg.mil/mcg/portal/ep/bvowse.do?channelId=-18371>  
 Located under the Foreign Vessel Safety tab

| VESSEL          | IMO#    | FLAG        | OWNER                       | EFFECTIVE DATE |
|-----------------|---------|-------------|-----------------------------|----------------|
| CUSE I I E      | 6617025 | Bolivia     | Pinafore Shipping Corp      | 01/28/2010     |
| WILMINA         | 9151840 | Norway      | Wilmina Shipping AS         | 06/30/2010     |
| ISLAND INTREPID | 7033161 | ST. Vincent | Mercator Ship Management SA | 09/01/2010     |



## Questions?

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### USCG ACTIVITIES FAR EAST

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**MINISTRY OF TRANSPORT  
VIETNAM MARITIME ADMINISTRATION**

**INTRODUCTION**

THE DELEGATION OF VIETNAM MARITIME ADMINISTRATION (VINAMARINE):

- MR. PHAN NGUYEN HAI HA – DEPUTY DIRECTOR OF INTERNATIONAL COOPERATION DEPARTMENT, VINAMARINE
- MR. DO HONG CUONG – SHIPPING AND MARITIME SERVICES DEPARTMENT, VINAMARINE
- MR. LE VAN LUONG – CHIEF OF LEGAL AFFAIR DIVISION, MARITIME ADMINISTRATION OF QUANG NGAI

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**1<sup>st</sup> APEC TRAINING  
COURSE  
ON COMMON PRINCIPLES  
TO SHIPPING POLICY**

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- Overview of Maritime Administration Framework
- Overview of Viet Nam Maritime Industry
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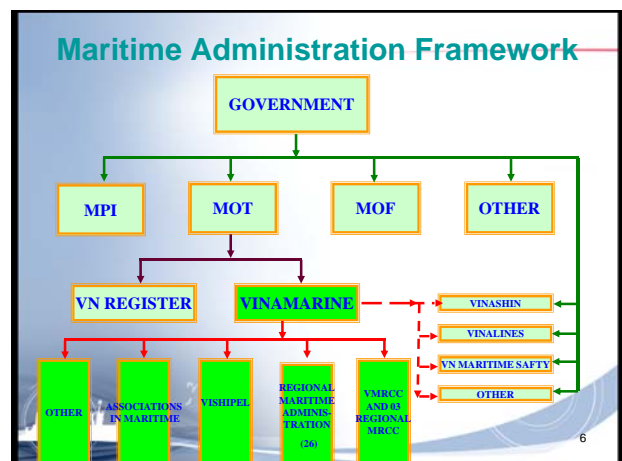
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**Overview of Maritime  
Administration Framework**

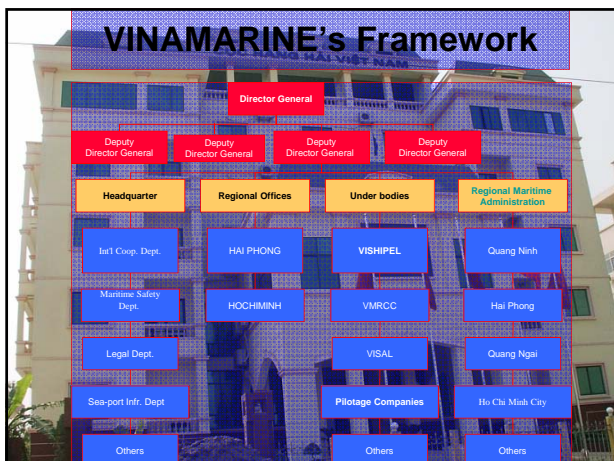
**ABBREVIATIONS**

- VN: Viet Nam
- MPI: Ministry of Planning and Investment
- MOT: Ministry of Transport
- MOF: Ministry of Financial
- VINAMARINE: Viet Nam Maritime Administration
- VISHIPEL: Vietnam Maritime Communication and Electronics Company
- VMRCC: Viet Nam Maritime Search And Rescue Coordination Center

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### VINAMARINE's duties and powers

- ⚙ TO WORK OUT :
  - MARITIME DEVELOPMENT STRATEGIES
  - MARITIME MASTER-PLANS
  - SHIPPING POLICIES/ REGULATIONS
  - RULES OF MANAGEMENT/ LEGAL NORMS
- ⚙ TO MANAGE MARITIME INFRASTRUCTURE PROJECTS ON MARINE FUNDED BY OVERSEAS OR DOMESTICS
- ⚙ TO SIGN BILATERAL MARITIME AGREEMENT
- ⚙ TO PROPOSE TO RATIFY INTERNATIONAL CONVENTIONS ON MARINE

### VINAMARINE's duties and powers

- ⚙ TO ISSUE PERMISSION TO FOREIGN SHIPS AND BOATS TO TERRITORIAL WATERS OF VIETNAM
- ⚙ TO DECLARE SEAPORTS OPENING FOR NAVIGATION
- ⚙ TO CONTROL OVER MARITIME SERVICES
- ⚙ TO CARRY OUT SEARCH AND RESCUE ACTIVITIES
- ⚙ TO IMPLEMENT PORT STATE CONTROL PROCEDURES
- ⚙ TO CONTROL MARITIME SAFETY ISSUES
- ⚙ TO INVESTIGATE AND SETTLE VIOLATIONS REGARDING SHIPPING ACTIVITIES

### Overview of Viet Nam Maritime Industry



### Overview of Viet Nam Maritime Industry

1. Shipping:
  - + 1,811 ships flags Vietnamese Flag with over 8 million DWT owned by 500 ship owners.
  - + 40 ships flags Foreign Flag (Panama, Liberia, Mongolia, ...) with 1 million DWT
  - + Largest bulk carriers: 73,350 DWT
  - + Largest oil tanker: 155,505 DWT
  - + Largest container ship: 16,030 DWT (1,114 Teus)

## Overview of Viet Nam Maritime Industry

### 2. Seaport:

- 42 Seaports not included offshore
- + 03 ports: Class IA (overall red)
- + 11 ports: Class I
- + 17 ports: Class- II
- + 11 specified ports

#### With:

- + Number of terminals: 173
- + Number of berths : 332
- + Total length of berths: 42 km



## Overview of Viet Nam Maritime Industry

### 3. Ship building industry:

- 30 factories,
- and built the ship with 53.000DWT, 100.000DWT and up to 150.000DWT

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## Legal documents related to maritime shipping

## LEGAL DOCUMENTS RELATED TO MARITIME

1. Commitment to joint WTO in the sector and sub-sector of Maritime transport services
2. Commitment to joint ASEAN in the sector and sub-sector of Maritime transport services
3. International Conventions relating to Maritime Activities
4. Vietnam Maritime Code 2005
5. Vietnam Investment Law 2005

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## LEGAL DOCUMENTS RELATED TO MARITIME

6. The master plan on development of Vietnam's ocean shipping up to 2020 and orientations towards 2030
7. The master plan on development of Vietnam's seaport system through 2020, with orientations toward 2030, so on ...

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## Activities of Shipping

## ACTIVITIES OF SHIPPING

1. Information on Tramp Business (major shipping companies, cargo, shipping route, etc)
  - Major shipping companies: 96 companies
  - Cargo: Coal, fish and agriculture product, construction equipment, so on...
  - Shipping route: worldwide

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## ACTIVITIES OF SHIPPING

2. Information on Liner Business (major shipping companies, cargo, shipping route, etc)
  - Major shipping companies: 15 companies
  - Cargo: Container
  - Shipping route: domestics (feeder)

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## ACTIVITIES OF SHIPPING

3. Information and/or Challenges on Technical Issues

Currently, there are many small ship-owners loaned to purchase/build vessels but they do not operate these vessel effectively due to scarcity of market sales and having not enough experiences, knowledge of shipping operation management; no money to pay for port charges, supplies, fuel, crew wages, forced to extend significant losses, revenues insufficient to cover costs: are long overdue, the interest banks pay to interest rate up to 21% by year, the transport business is no longer collateral lead to bankruptcy.

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## ACTIVITIES OF SHIPPING

4. Information and/or Challenges on Marine Labor

- Vietnam has about 39,691 seafarers of which about 20,000 seafarers working on Vietnamese vessel and foreign vessel, including the 2776 captains, 2334 chief engineers, 2084 chief officers, 1673 second engineers, 5,122 deck officers, 4677 engineer officers and other titles are working with age under 60.
- Ministry of Transport and Ministry of Labour, War Invalids and Social Affairs studied and submitted to the Government for accession the Maritime Labour Convention (MLC, 2006) in 2012.

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## ACTIVITIES OF SHIPPING

4. Information and/or Challenges on Marine Labor

- Although, many crewmembers with high qualifications are provided and work on the fleet in the world advanced standard, however the quality of most crews do not keep up with the development of the maritime transport sector due to:
  - + English level does not meet the requirements;
  - + Ability to practice limited
  - + The crew members have to stick with professional

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## ACTIVITIES OF SHIPPING

5. Information on Port Activities (major ports, cargo, trade volume, etc)

- Major ports: Vietnam with 3,260 kms of coastline with the information in distributed seaport as an overview of Seaport
- Cargo: Coal, rice, textiles, container, steel, oil products, ore, construction equipments, etc. ...
- In 2010, the total cargoes throughput the port reached 259 million tons, increased 3.16% in comparison with 2009, the ship in and out of the port reached 120,835 times with about 406,510,000 GT

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