Current Status on Safe Regulation of River Transport and Challenges in Myanmar

Zaw Myint Thein
Director
Department of Marine Administration

Yangon 7.3.2014
Seminor for Promoting River Water Transport in Myanmar

1. Introduction
2. Duties and Functions of DMA
3. National Legislation
4. Registration
5. Licensing Procedure
6. Challenges
7. Future Plan
Introduction

AYEYARWADY RIVER
• NAVIGABLE LENGTH 1534 KM

CHINDWIN RIVER
• NAVIGABLE LENGTH 817 KM

OTHER RIVERS
• NAVIGABLE LENGTH 1982 KM

AYEYARWADY DELTA
• NAVIGABLE LENGTH 2404 KM
<table>
<thead>
<tr>
<th>TYPE OF VESSEL OPERATING IN INLAND WATERWAYS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TYPE OF VESSEL</strong></td>
</tr>
<tr>
<td>PASSENGER</td>
</tr>
<tr>
<td>CARGO</td>
</tr>
<tr>
<td>TUG BOAT</td>
</tr>
<tr>
<td><strong>REGISTERED AUTHORITY</strong></td>
</tr>
<tr>
<td><strong>APPLICABLE RULE &amp; REGULATION</strong></td>
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<tr>
<td><strong>PLAN APPROVAL</strong></td>
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Duties and Functions of DMA

1. Maritime Legislation in Myanmar
2. Maritime Advisory to the Governmental Organizations
3. Focal Department for IMO & ASEAN Maritime Affairs
4. Conducting the Maritime Education and Training on behalf of Ministry of Transport
5. Evaluation, Certification and Verification for CoCs, CoPs and Documentary Evidence
6. Ship Survey and Registration
7. Maritime Incident, Accident Investigation and Arbitration and Report to the Governmental Bodies
8. Conducting Maritime Safety and Environmental Protection in Myanmar
9. Conducting Myanmar Ships and Port Facilities Security
10. Conducting Port State, Flag State and Coastal State Control in Myanmar
11. Focal Department for Coast Guard Agency Matters in Myanmar
12. Controlling Myanmar Seafarers Contract, Article and Disciplinary Matters
13. Controlling Myanmar Seafarers Manning Companies and Conducting Myanmar Seafarers Services
14. Myanmar Seafarers Registration
15. Conducting Myanmar Coastal and Inland Water Vessel Operating License
National Legislation

- The Myanmar Merchant Shipping Act (1923)
- The Myanmar Registration of Ships Act (1841)
- The Inland Steam Vessels Act (1917)
- The Bills of Lading Act (1856)
- The Myanmar Carriage of Goods by Sea Act (1925)
- The Carriers Act (1865)
- The Maritime Transport Agreement Act (1953)
- The Merchant Shipping Administrative Act (1954)
- The Road and Inland Water Transport Business Law (1963)
ASEAN-JAPAN ACTION PLAN ON ENVIRONMENT IMPROVEMENT IN TRANSPORT SECTOR

4. REGISTRATION PROCEDURE

SUBMISSION OF APPLICATION BY OWNER
1. OWNER APPLICATION LETTER
2. SHIP DRAWINGS (3) SETS
3. BUILDER CERTIFICATE
4. ENGINE AND MATERIALS PURCHASE VOUCHERS

PLAN APPROVAL OF THE DRAWINGS
1. DRAWINGS ARE CHECKED WITH THE REGULATION
2. APPROVED LETTER FOR CONSTRUCTION IS ISSUED

NEW CONSTRUCTION START
1. SURVEY DURING CONSTRUCTION AFTER 50% COMPLETION FOR CARGO SHIP
2. SURVEY DURING CONSTRUCTION AFTER 30% COMPLETION FOR PASSENGER SHIP
ASEAN-JAPAN ACTION PLAN ON ENVIRONMENT IMPROVEMENT IN TRANSPORT SECTOR

REGISTRATION PROCEDURE

COMPLETION OF NEW CONSTRUCTION
1. FREEBOARD MARKING ASSIGNED
2. LIFE SAVING APPLIANCE & FIRE FIGHTING EQUIPMENT
3. GROSS TONNAGE CALCULATION
4. ENGINE HORSE POWER DETERMINATION
5. SAFE MANNING
6. INCLINING TEST FOR PASSENGER VESSEL & NO. OF PASSENGER CALCULATION

REGISTRATION
1. OWNER’S APPLICATION LETTER
2. COPY AND ORIGINAL OF CERTIFICATE OF SURVEY
3. OWNER’S NATIONAL SCRUTINY CARD COPY
SEMINAR FOR PROMOTING RIVER WATER TRANSPORT
IN MYANMAR

RELEVANT RULES AND REGULATIONS UNDER ISV ACT

- Rules for survey of vessels
- Rules for protection of vessel against explosion or fire
- Rules for vessel carrying oil for fuel
- Rules for the protection of vessels from collision
- Rules to regulate carriage of Passengers
- Rules relating to boats and life-saving appliance
- Rules for protection of passengers
- Instructions for Engineer and Marine Surveyors
<table>
<thead>
<tr>
<th>NO.</th>
<th>TYPE OF VESSEL</th>
<th>NO. OF VESSELS</th>
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<tbody>
<tr>
<td>1.</td>
<td>PASSENGER</td>
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<tr>
<td>2.</td>
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<tr>
<td>3.</td>
<td>INLAND TUG BOAT</td>
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<td>4.</td>
<td>OIL BARGE</td>
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<tr>
<td>5.</td>
<td>PASSENGER BOAT ABOVE 20 BHP ENGINE POWER</td>
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<td>6.</td>
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<tr>
<td>7.</td>
<td>PASSENGER BOAT BELOW 20 BHP ENGINE POWER</td>
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<td>8.</td>
<td>CARGO BOAT BELOW 20 BHP ENGINE POWER</td>
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<td></td>
<td>TOTAL</td>
<td>22344</td>
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### Number and Type of Vessel in States/Regions of Myanmar

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<tr>
<th>STATES/REGIONS</th>
<th>PASSENGER VESSEL</th>
<th>CARGO VESSEL</th>
<th>TUG BOAT</th>
<th>OIL BARGE</th>
<th>PASSENGER ABOVE 20</th>
<th>CARGO ABOVE 20</th>
<th>PASSENGER BELOW 20</th>
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<td>100</td>
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<td>1</td>
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<td>4. SAGAING</td>
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<td>679</td>
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<td>9. MON</td>
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<td>46</td>
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<td>10 BAGO</td>
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<td>11 KAYIN</td>
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<td><strong>TOTAL</strong></td>
<td><strong>477</strong></td>
<td><strong>264</strong></td>
<td><strong>494</strong></td>
<td><strong>149</strong></td>
<td><strong>125</strong></td>
<td><strong>1012</strong></td>
<td><strong>3601</strong></td>
<td><strong>16222</strong></td>
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</table>
NUMBER OF INLAND VESSEL & OIL BARGE CONSTRUCTED BY YEARS

- Private Inland Passenger
- Private Inland Cargo
- Oil Barge
Passenger vessel increased by year in State/Regions

- Yangon Region
- Mandalay Region
- Ayeyarwady Region
- Sagaing Region
- Rakhine State
- Kachin State
- Taninthayi Region
Cargo vessel increased by year in State/Regions

- Yangon Region
- Mandalay Region
- Ayeyarwady Region
- Sagaing Region
- Rakhine State
- Kachin State
- Taninthayi Region
- Magwe Region
Licensing Procedure

MINISTRY OF RAIL TRANSPORTATION
TRANSPORT PLANNING DEPARTMENT

TRANFERRED ON 1.4.2012

MINISTRY OF TRANSPORT
DEPARTMENT OF MARINE ADMINISTRATION

• 1963 ROAD AND INLAND WATER TRANSPORT LICENSING LAW

NEW DRAFTING

COASTAL AND INLAND WATER TRANSPORT LICENSING LAW

• 1963 ROAD AND INLAND WATER TRANSPORT LICENSING LAW
### Type of Licenses Issued to Coastal and Inland Vessel and Barges

**“A” License Type**
- 1. Coastal Cargo Ship
- 2. Coastal Tanker
- 3. Inland Cargo Vessel
- 4. Tug Boat
- 5. Cargo Boat Above (20) BHP Engine Power
- 6. Cargo Boat Below (20) BHP Engine Power
- 7. Oil Barge
- 8. Cargo Barge
- 9. Inland Tanker

**“B” License Type**
- 1. Coastal Passenger Ship
- 2. Inland Passenger Vessel
- 3. Passenger Boat Above (20) BHP Engine Power
- 4. Passenger Boat Below (20) BHP Engine Power

**“C” License Type (Hire)**
- 1. Inland Passenger Vessel
- 2. Passenger Boat Above (20) BHP Engine Power
- 3. Passenger Boat Below (20) BHP Engine Power
- 4. Coastal Passenger Boat
- 5. Coastal Pleasure Craft
- 6. Inland Pleasure Craft
### Type of Licenses Issued to Coastal and Inland Vessel and Barges (Continued)

<table>
<thead>
<tr>
<th>“D” License Type</th>
<th>“E” License Type (Own Business)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Coastal Cargo Bareboat Charter</td>
<td>2. Cargo Boat Below (20) BHP Engine Power</td>
</tr>
<tr>
<td>3. Inland Passenger Bareboat Charter</td>
<td>3. Coastal Cargo/Passenger Ship</td>
</tr>
<tr>
<td>4. Inland Cargo Bareboat Charter</td>
<td>4. Inland Cargo/Passenger Vessels</td>
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<tr>
<td>5. Coastal Cargo Time Charter</td>
<td>5. Hotel Pleasure Craft in Beach</td>
</tr>
<tr>
<td>6. Coastal Cargo Voyage Charter</td>
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<tr>
<td>STATES/REGIONS</td>
<td>PASSENGER TRANSPORTED</td>
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<tr>
<td>----------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td></td>
<td>INLAND WATER</td>
</tr>
<tr>
<td>1. YANGON REGION</td>
<td>162,676</td>
</tr>
<tr>
<td>2. MANDALAY REGION</td>
<td>636,250</td>
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<td>3. AYEYARWADY REGION</td>
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<td>4. SAGAING REGION</td>
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<tr>
<td>5. RAKHINE STATE</td>
<td>380,197</td>
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<td>6. TANINTHARI REGION</td>
<td>59,629</td>
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<td>7. MAGWE REGION</td>
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<tr>
<td>8. MON STATE</td>
<td>451,169</td>
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<tr>
<td>9. BAGO REGION</td>
<td>1,238,304</td>
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<tr>
<td>TOTAL</td>
<td>12,143,101</td>
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</table>
# Seminar for Promoting River Water Transport in Myanmar

**States/Regions**

<table>
<thead>
<tr>
<th>States/Regions</th>
<th>Passenger Transported</th>
<th>Cargo Transported (Ton)</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Inland Water</td>
<td>Coastal</td>
<td>Inland Water</td>
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<tr>
<td>1. YANGON REGION</td>
<td>125,499</td>
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<td>2. MANDALAY REGION</td>
<td>555,486</td>
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<td>3. AYEYARWADY REGION</td>
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<td>4. SAGAING REGION</td>
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<td>101,204</td>
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<td>5. RAKHINE STATE</td>
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<td>6. TANINTHARI REGION</td>
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<td>7. MAGWE REGION</td>
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<td>320,360</td>
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<td>8. MON STATE</td>
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<td>9. BAGO REGION</td>
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<td>256,404</td>
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<td><strong>6,020,370</strong></td>
<td><strong>22,023</strong></td>
<td><strong>3,863,175</strong></td>
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</tbody>
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**Passenger and Cargoes Transported during 1.4.2013 to 31.12.2013**
SEMINAR FOR PROMOTING RIVER WATER TRANSPORT IN MYANMAR

MAJOR ROUTES CARGO:
- YANGON-MANDALAY
- YANGON-KATHA
- MAGWE-YANGON
- MANDALAY-BHAMO
- MANDALAY-KATHA
- MANDALAY-KALEWA
- MONYWA-HOMALIN
- MONYWA-NANTAW

MAJOR ROUTES PASSENGER:
- YANGON-MAWKYUN
- YANGON-LABUTTA
- YANGON-PYAPONE
- MANDALAY-KATHA-BHAMO
- MONYWA-HOMALIN
- HOMALIN-KHAMTI
- SITTWE-TAUNGUP
- SITTWE-MINPYAR
- SITTWE-BUTHEETAUNG
- SITTWE-MYAUK OO

TIMBERS, GRANITE, CEMENT, FERTILIZERS, PETROLEUMS, COAL, CHIPPING, MACHINERY, CONSTRUCTION MATERIALS

FOODSTUFFS, CONSTRUCTION MATERIALS, CLOTHING

PETROLEUM, FOODSTUFFS, CLOTHINGS

YANGON REGION

AYEYARWADY REGION

SAGAING REGION

RAKHINE STATE
CHALLENGES

- Outdated Inland Steam Vessel Act and Safety Rules and Regulations
- Need to develop safety regulation for the carriage of dangerous petroleum
- Lack of human resources such as ship designer, naval architect, ship builder and welder
- Lack of infrastructure such as shipyards, river cargo ports and passenger terminals
- Insufficient depth of rivers in summer season
- Lack of reporting procedure for data collection
- Lack of law enforcement
## Future Plan

| Rules & Regulations to be prepared as follow up to Inland Vessel Law |
| Rules and Regulations to be developed for the carriage of dangerous petroleum by oil barge |
| Rules & Regulations to be prepared as follow up to Coastal and Inland Water Transport Licensing Law |
| Training courses to be conducted for human resource development in ship building sector of Inland Water Transport |
| Initiative for implementation of safety management system in tourist passenger vessels |
| Organization of Ship Owner Association to actively participate in development of River Water Transport |
| To collaborate with Marine Police in Maritime Law Enforcement |
THANK YOU VERY MUCH FOR ATTENTION