

# 'OVERVIEW OF SHIPPING IN INTERNATIONAL TRADE'

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ORIENTATION TRAINING PROGRAMME ON PORTS AND SHIPPING BY THE INDIAN MARITIME UNIVERSITY, CHENNAI CAMPUS FOR THE MINISTRY OF PORTS, SHIPPING AND WATERWAYS (MOPSW) OFFICIALS

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# SHIPPING TRADE PRACTICE – SHIPS AND THEIR CARGOES

✦ Understanding Tramp and Liner

✦ Wet and Dry Trade

✦ Tankers

✦ Dry Cargo

✦ Cruise Ships and Tourism

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- Wet Bulk (Tankers) , Dry Cargo Carriers  
Specialized Ships

- Crude Oil and Product Tankers

- Chemical and Parcel Tankers

- Edible Oil

- Gas Carriers LPG/LNG

- Bulk Carriers

Container Ships

- Mega Cruise , Medium Sized

Expedition Type

Passenger

Impact of Cruise Shipping on Tourism Industry.

# SHIPPING TRADE PRACTICE – SHIPS AND THEIR CARGOES

## ★ Specialized Ships

- Ro Ro / Ro Pax
- Tween Deckers
- Multi Purpose
- Heavy Lift
- Reefer
- Live Stock
- Cable Laying
- Research / Ice Breakers
- Coastal Vessels

## ★ Support Vessels

- Dredgers
- PSV / OSV
- Tugs / Pilot Crafts / Mooring

# SHIPPING PROCEDURE

## ★ Statutory Bodies

- Port Health
- Customs
- Immigration
- Port State Control
- Flag State
- Security / ISPS
- Pollution Authority
- Dock Safety
- Phyto Sanitary

## ★ Cargo Documentation

- Free Pratique
- Manifest
- Mates Receipts
- Standard Shipping Note
- Bill of Lading
- Shipping order/Shipping Bill / Bill of Entry
- Letter Of Indemnity
- Quality Certificate / Invoice / Packing List
- Certificate of Origin/Insurance
- Registration Cum Membership Certificate (RCMC)

# CARGO HANDLING AND COMMUNICATION

## Cargo Handling

- Ports, SBM, ICD,CFS
- Terminals (Oil/Gas/Bulk /Passenger)
- Each Cargo is unique and Infrastructure Interphase
- Essential
- Material Safety Data Sheet /Shippers Declaration
- IMDG
- IMSBC
- ISGOTT
- SIGTTO
- IBC Code
- CSC Code

# CARGO HANDLING AND COMMUNICATION

## Effective Communication

- Stakeholders
- Maritime English
- Importance of Weather Routeing
- Semaphore/Morse to Ship/Shore through INMARSAT
- Telephone, Smartphone, VHF, RT
- Email, Letters and Memorandum
- Tele or Video Conferencing / EDI
- Time is of essence
- Enables Safety and Security

# INTERNATIONAL TRADE NOMENCLATURE

## What are the Shipping Terms ?

## Why the need ?

### Basic Contract

- **Goods** - **Specific goods / Unascertained Goods**
- **Property** - **Ownership**
- **Risk** - **Time the property passes**

# International Contracts of Sale and INCOTERMS 2020

## Relating to Sea and Inland Waterways.

- ❖ FAS
- ❖ FOB / FOB Stowed / FOB stowed & trimmed  
/ FOB with Service
- ❖ CIF (named Port of Destination)
- ❖ CFR

## Non Maritime INCOTERMS

- EXW
- FCA
- CPT (named place of destination)
- CIP
- DAT
- DAP
- DDP ((named place of destination)

# LOGISTICS AND SUPPLY CHAIN

## Understanding Inter Modal Vs Multi Modal

Multi Modal Transport

- Logistics
- Supply Chain
- Freight

Growth of Multi Modal

- Growth in World Trade
- Vessel Operating Costs and Economic Factors
- Labour Costs

# LOGISTICS AND SUPPLY CHAIN

Unitization

Containerisation

Multi Modalism

## **Components of Multi Modal Infrastructure**

Air Freight

Rail System

Inland Waterways

Evolution of Global Economy

## **Multi Modal Trade Routes/Global Logistics Providers**

- Inter Modal Systems
- Road/rail and sea (container)
  - Road/barge and sea (container)
  - Road/sea (trailer and ro-ro)
  - Road/rail
  - Road/air
  - Sea/air

Modal Interphase

# SUSTAINABLE SHIPPING FOR A SUSTAINABLE PLANET - IMO

## UN Sustainable Development Goals by 2030 17 in number

- ESG Environment - Ship Finance to Ship recycling  
IHM Convention - June 2025
- Sustainable Shipping - Decarbonisation and Alternative Marine Fuels
- Going Green - EEDI, EEXI, CII-RATING  
Novel Fuels LNG, METHANOL, AMMONIA  
HYDROGEN, BIOFUEL (NUCLEAR?)  
GREEN SHIPS, GREEN PORTS, GREEN JOBS,  
IMO GREEN VOYAGE BY 2050
- Role of Technology - MASS, AI, Block Chain, Cyber Security  
COSCO's 10000 DWT Pure electric Container Ship  
Sail Rotors on Bulkiers. Passenger Ferry 'Sea Change', First  
Hydrogen Powered Vessel operates in San Francisco, USA from  
July 2024.

# CONCLUSION

It is our duty to take the Shipping Industry and our Nation to a Greener Horizon  
and the Journey to Net Zero Starts now for the next Generation.

## JAI HIND

**SUSTAINABLE  
DEVELOPMENT**  
**GOALS**



# REFERENCES

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