

**SYLLABUS FOR STCW ENDORSEMENT EXAMINATION FOR INLAND 1ST CLASS
MASTER UNDER THE STCW CONVENTION-1978, AS AMENDED**

A. FUNCTION – Navigation at the Operational Level

1. Plan and Conduct A Coastal Passage and Determine Position:

Knowledge and understanding of following:

Navigation:

Ability to determine the ship's position by the use of

1. Landmarks
2. Aids to navigation, including lighthouses, beacons and buoys
3. Dead reckoning, taking into account winds, tides, currents and estimated speed
4. Knowledge of and ability to use navigational charts, tide tables, radio navigational warnings

Navigational aids and equipment:

1. Ability to operate safely and determine the ship's position by use of navigational aids and equipment commonly fitted on board the ship concern.

Compasses:

1. Knowledge of the error
2. Ability to determine errors of the compass and to allow for such errors

Meteorology:

1. Ability to apply the meteorological information available

2. Maintain a Safe Navigational Watch

Knowledge and understanding of following:

Watchkeeping:

1. Knowledge of content, application and intent of the International Regulations for Prevention of Collision at Sea
2. Knowledge of content of the Principles to be observed in keeping a navigational watch.

3. Respond to Emergencies

Knowledge, understanding and proficiency:

Emergency procedures including:

1. Precautions for the protection and safety of passengers in emergency situation
2. Initial assessment of damage and damage control
3. Actions to be taken following a collision
4. Actions to be taken following a grounding
5. Emergency steering
6. Rescuing person from water
7. Assisting a vessel in distress
8. Appreciation of the action to be taken when emergency arise in port

4. Respond to a Distress Signal at Sea

1. Knowledge and understanding in "Search and rescue"

5. Manoeuvre and Operate Small Ship

1. Knowledge, understanding and proficiency

6. Ship Manoeuvring and handling

1. Knowledge of factors affecting safe manoeuvring and handling

B. Function – Cargo Handling and Stowage at the Operational Level

Competence:

1. Monitor the Loading, Stowage, Securing and Unloading of Cargoes

Knowledge and understanding of following:

2. Cargo handling, stowage and securing

1. Knowledge of safe handling, stowage and securing of cargoes including dangerous, hazardous and harmful cargoes and their effect on the safety of life and of the ship.

C. Function – Controlling the Operation of the Ship and Care for Persons on board at the Operational Level.

Competence:

1. Ensure Compliance with Pollution Prevention Requirements

Knowledge and understanding of following

Prevention of Pollution of the Marine Environment

1. Knowledge of the precautions to be taken to prevent pollution of the marine environment

2. Maintain Sea-worthiness of the Ship

Knowledge, understanding and proficiency

Ship Stability:

1. Working knowledge and application of stability of small ship
2. Understanding of fundamental actions to be taken in the event of partial loss of intact buoyancy
3. Understanding of the fundamentals of watertight integrity

Ship Construction

1. General knowledge of the structure of a ship and the proper names for the various parts

3. Prevent, Control and Fight Fires on board

Knowledge, understanding and proficiency

Fire Prevention and Firefighting and Proficiency

1. Knowledge of fire prevention
2. Ability to organize fire drills
3. Knowledge of classes of fire
4. Understanding of action to be taken in the event of fire

4. Operate Life Saving Appliance

Knowledge, understanding and proficiency

Life Saving

1. Ability to organize abandon ship drills and knowledge of the operation of survival craft and Rescue boats, their launching appliances and arrangements and their equipment.

D. Function – Controlling the Operation of the Ship and Care for persons on board at the Operational Level

Competence:

1. Apply Medical First Aid on board ship

Knowledge and understanding of following

Medical Aid

1. Practical application of Medical First Aid including the ability to take effective action based on such knowledge in the case of accidents or illnesses that are likely to occur on board.

2. Monitor Compliance with Legislative Requirements

Knowledge, understanding and proficiency

Basic working knowledge of the relevant IMO conventions concerning safety of life at sea and protection of the marine environment

E. VHF Communication

1. Knowledge of switching on and off the VHF set Setting different channels on VHF set
2. Setting different channels on VHD set
3. Knowledge of distress and DSC channels
4. Knowledge of simplex and duplex channels
5. Procedure for sending/receiving distress, urgency and safety calls.
6. Range of VHF frequency and how it varies with the weather conditions