

EFFECTIVE ONBOARD DRILLS & EXERCISES

INCLUDING A REFRESHER ADVANCED TRAINING IN FIRE-FIGHTING

TRAINING COURSE

A. OVERALL AIM

To help the participating Officers better **organize, coordinate** and **execute shipboard drills**, with the aim, to further increase the operational readiness of their vessels.

By providing guidance on the steps required to be taken during the conduct of statutory drills, such as, ship abandon, fire, entry and rescue from an enclosed space, flooding and operational oil spills, the Officers in Charge, are expected to further enhance their knowledge on how to conduct a drill in a safe manner and with learning value for the crew members.

The course will be enhanced with theory and hands-on practice from the Advanced Training in Fire-Fighting IMO Model Course (2.03). The particular competences to be acquired from this enhancement refer to the control of fire-fighting operations aboard ships, the organization and training of fire parties and the inspection and service of fire extinguishing systems and equipment.



B. LEARNING OBJECTIVES

The Trainees, on completing the course, will be able to:

- Understand the importance of Muster List and the Emergency Instructions in the assignment of duties to all crew members for different emergencies.
- Coordinate and effectively participate in an onboard drill. Actions to be undertaken during a drill, from activating an alarm, up to the recovery of the life boat, the fire extinguishment, or the rescue of a crew member from an enclosed space will be learned.
- Become familiar with the company's emergency procedures as detailed in the Emergency Preparedness and Training Manual (EPTM).

C. TIME SCHEDULE

| 1 st DAY | |
|---------------------|--|
| Time | Topics |
| 09:15 – 09:30 | Introduction - Learning Objectives |
| 09:30 – 10:30 | Shipboard Drills <i>Legal Requirements, Company Requirements, Emergency Preparedness & Response Manual</i> |
| 10:30 – 11:30 | Fire Drills Types of fire and use of fire extinguishing means Fire Safety Plan & Structural Fire Protection. Fire Prevention and Detection. |
| 11:30 – 11:45 | Coffee Break |
| 11:45 – 13:15 | Fire Drills (continued) Muster List – Organization of Fire Teams Fire Fighter's Outfits – Fire Drills |
| 13:15 – 13:45 | Lunch Break |

| 1 st DAY (continued) | |
|---------------------------------|--|
| Time | Topics |
| 13:45 – 14:45 | Ship Abandon Drills SOLAS Regulations on Ship Abandon Drills Prevention of Accidents with Lifeboats Ship Abandon Drill |
| 14:45 – 15:30 | Ship Abandon Drills (continued) Launching of Free-Fall Lifeboats Rescue Boat Operation Liferaft HRU |
| 15:30 - 15:45 | Coffee Break |
| 15:45 – 16:15 | SOPEP/SMPEP Drills Operational & Accidental Oil Spills |
| 16:15 – 16:45 | Damage Control – Flooding Drill SERS – Muster List – Conduct of Flooding Drill |

| 2 nd DAY | |
|---------------------|---|
| Time | Topics |
| 09:15 – 13:30 | A Workshop will be organized to: <ul style="list-style-type: none"> a) Provide practical training on the strategy and control of fire-fighting operations including leadership of fire parties. b) Demonstrate common faults in fire-fighting observed during fire drills, and in particular in mustering, communication, control of operations ranging from the initial attack, fire pumps, preparation of fire parties, electrical isolation and fire- extinguishing. |



D. TEACHING AIDS

Reference will be made to:

- MSC.1/Circular 1578 “*Guidelines on Safety During Ship Abandon Drills*”
- SOLAS, Chapter II-2, Regulation 15 “*Instructions, Onboard Training and Drills*”
- SOLAS, Chapter III, Regulation 19 “*Emergency Training and Drills*”
- SOLAS, Chapter V, Regulation 26 “*Steering Gear Testing and Drills*”
- MARPOL 73/78, Annex I, Regulation 37 “*SOPEP*”, Annex II Regulation 17 “*SMPEP*”
- Minerva Marine “*Emergency Preparedness and Training Manual*”
- Concentrated Drills Campaign – Safety Campaign – Q4 2019
- IMO Model Course 2.03 “*Advanced Training in Fire-Fighting*”

