

Training Title

MARINE HAZARDS PREVENTION, & CONTROL (COLLISION GROUNDING FLOODING)

Training Duration

5 days

Training Venue and Dates

REF SM028	Marine Hazards Prevention, & Control (Collision Grounding Flooding)	5 days	30 - 04 December 2025	\$5,500	Dubai, UAE
--------------	--	--------	--------------------------	---------	---------------

In the below 5 star hotel as mentioned. The exact venue will be informed once finalized.

Training Fees

\$5,500 per participant for Public Training including Course Materials/Handouts, Tea/Coffee, Refreshments & Lunch.

Training Certificate

Define Management Consultancy & Training Certificate of course completion will be issued to all attendees.

TRAINING OVERVIEW

TRAINING DESCRIPTION:

This course provides a comprehensive understanding of marine hazards with a focus on collision, grounding, and flooding—three of the most critical risks affecting vessel safety and maritime operations. Participants will gain practical knowledge of preventive strategies, navigational best practices, regulatory requirements, and emergency response techniques. The course blends theory with real-world case studies and scenario-based exercises to strengthen decision-making, situational awareness, and damage-control competencies essential for safe shipboard operations.

TRAINING OBJECTIVES:

www.definetraining.com

Upon the successful completion of this course, each participant will get knowledge about:

- Develop a deeper understanding of the causes and consequences of collision, grounding, and flooding incidents.
- Strengthen the ability to apply effective prevention strategies through improved navigation, planning, and situational awareness.
- Enhance practical skills in emergency response, damage assessment, and control measures to minimize risks and potential losses.
- Improve operational readiness by reinforcing compliance with international maritime regulations and safety management systems.

DMCT/OL/9/18(Rev3Dt:23/9/18)

- Build crew confidence and coordination through case studies, team exercises, and real-scenario learning

TRAINING METHODOLOGY:

A highly interactive combination of lectures and discussion sessions will be managed to maximize the amount and quality of information and knowledge transfer. The sessions will start by raising the most relevant questions and motivating everybody to find the right answers. You will also be encouraged to raise your own questions and to share in the development of the right answers using your own analysis and experiences. Tests of the multiple-choice type will be made available on a daily basis to examine the effectiveness of delivering the course.

All presentations are made in excellent colorful power point. Very useful Course Materials will be given.

- 30% Lectures
- 30% Workshops and work presentation
- 20% Group Work& Practical Exercises
- 20% Videos& General Discussions

WHO SHOULD ATTEND?

- Deck officers and navigators
- Engine officers and technical crew
- Maritime safety managers and superintendents
- Port and VTS personnel
- Marine pilots and trainees

COURSE OUTLINE:

Day 1: Marine Hazards & Regulatory Requirements

- Types of marine hazards: operational, navigational, environmental
- Collision, grounding, flooding fundamentals
- Human factors & situational awareness
- International rules: IMO, SOLAS, MARPOL, COLREGs, ISM Code
- Vessel construction & safety systems overview

Day 2: Collision Prevention & Response

- Application of COLREGs in various scenarios
- Lookout procedures, radar, AIS & ARPA integration
- Safe speed determination & risk-of-collision assessment

DMCT/OL/9/18(Rev3Dt:23/9/18)

- Bridge Resource Management (BRM) & crew communication
- Navigation in restricted visibility & high-traffic areas
- Collision emergency procedures & damage evaluation

Day 3: Grounding Prevention & Response

- Passage planning (APPRAISE–PLAN–EXECUTE–MONITOR)
- Chart accuracy, ECDIS functions, alarms & overlays
- Tides, currents, UKC (Under Keel Clearance) calculations
- Coastal navigation & shallow-water effects
- Grounding types, damage identification & reporting
- Refloating procedures & stability considerations

Day 4: Flooding Prevention & Damage Control

- Hull integrity: watertight doors, hatches & bulkheads
- Ballast, bilge & pumping systems familiarization
- Internal inspection routines & structural maintenance
- Flooding detection methods & compartmental isolation
- Damage control techniques: plugging, patching, shoring
- Progressive flooding prevention & stability management

Day 5: Integrated Risk Management & Practical Application

- Risk assessment tools (JHA, TRA, Bow-tie analysis)
- SMS procedures & emergency response coordination
- Incident investigation & learning from past accidents
- Crisis communication & reporting protocols
- Hands-on scenarios: collision, grounding & flooding simulations
- Course recap, knowledge review & performance feedback

NOTE:

Pre & Post Tests will be conducted.

Case Studies, Group Exercises, Group Discussions, Last Day Review & Assessments will be carried out.

www.definetraining.com

.....

DMCT/OL/9/18(Rev3Dt:23/9/18)

P.O BOX 45304
ABU DHABI, U.A.E

T +971 2 6264455
F +971 2 6275344

www.definetraining.com