



*Training Course:
Accident & Incident Investigation - Risk & Root
Causes*

*26 - 30 October 2025
Doha (Qatar)*

Training Course: Accident & Incident Investigation - Risk & Root Causes

Training Course code: MM234843 From: 26 - 30 October 2025 Venue: Doha (Qatar) - Training Course Fees: € Euro

Introduction

This course was designed for personnel who seek methods to conduct a thorough investigation of maritime incidents and helps identify and assess the risks in order to provide effective solutions and establish the appropriate safeguards.

This course also aims to deliver knowledge and skills required for accident and incident investigators or persons intending to become accident investigators, according to IMO Res. A84920 - Code for the Investigation of Marine Casualties & Incidents as amended by ResA88421 and other Maritime Industry guidance.

Aims & Objectives

- Interpret IMO and Industry requirements for implementation purposes
- Support to Plan, conduct, and follow-up accident investigations
- To provide all essentials for participation to an Accident Investigator

Learning Outcomes

A trainee successfully completing this course will be able to:

- Plan, conduct, and report an Accident Investigation
- Identify risks and underlying causes
- Recommend effective solutions

Target Audience

- Accident Investigators
- Accident Investigation team members
- Consultants
- Officials
- Inspectors
- Directors
- Masters / Chief Engineers/ Superintendents
- Operation and Technical Managers

Training Outlines

Accident/ Incident Investigation, Risk & Root Causes

day 1: Introduction to Accident & Incident Investigation

- Accident & Safe Operation
- Key Terms

- Key Terms - Hazard, Incident, Consequence
- Key Terms - Causes
- Key Terms - Risk
- Accident preventive actions
- Risk management sequence of actions
- Identified threats
- Risk Calculation
- Risk Classification
- Risk Mitigation
- Risk Results
- Marine Accident Investigation
- Marine accident sequence
- Typical marine accidents & Consequences
- Type of Casualties
- Man overboard- example

day 2: Incident Investigation - Event & Causal Factors and Root causes

- Incident Investigation Methodology
- Events and Causal Factors ECF
- Find Root Causes
- Identify Root Causes - Direct Cause
- Identify Root Causes- Indirect Cause
- Identify Root Causes- Root Cause

day 3: Accident / Incident Investigation Analysis

- Why incident investigation?
- Effects on Safety Management Systems
- Incident Investigation - Overview
- Incident Investigation key steps
- The Investigation Report

day 4: Accident Investigator

- Steps for an Accident Investigator
- Accident Investigator's Competency
- Accident Investigator's Tools
- Accident Investigator's Behavior
- Accident Investigator's Report

day 5: Common Root Cause Models

- HSG65 approach
- SCAT Systematic cause analysis technique
- MORT Management oversight risk tree
- Simple to Follow Proposal
- Timeline of an Accident
- Final Guidance for Accident Investigators
- Witness Sample Questions
- Subject of Complain sample Questions

Registration form on the Training Course: Accident & Incident Investigation - Risk & Root Causes

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