

# INCIDENT AND ACCIDENT INVESTIGATIONS



## TARGET GROUP

The course is intended for all Management and Operational level staff in shipping industry. The course is designed to prepare attendees to become Accident Investigation Team Leaders.



## INCIDENT AND ACCIDENT INVESTIGATIONS COURSE

Most organizations have accident investigation procedures.

However, these procedures are often based on a blame culture and do not inspire the investigator to find and correct the defects in the management system (root caused) that allowed the hazards to exist and the accident to occur.

Several industries have adopted excellent accident investigation and analysis techniques. It is a basic function to locate and define the operational errors that allow accidents to occur. Competence in the application of modern accident/incident investigation tools will assist to learn and to prevent the recurrence of accidents and to evaluate the extent and location of management defects (root-causes), which contributed to the accident event.



## OBJECTIVES OF THE COURSE

**A trainee successfully completing the course will be able to:**

- Define the accident / incident event
- Understand modern accident causation theories
- Define all accident investigation and analysis stages
- Carry out initial actions in response to accident and incidents
- Gather evidence and data relevant to the accident investigation
- Interview witnesses
- Compile accident reports and remedial action plans
- Gain familiarity with modern accident analysis techniques
- To locate and define active human error, preconditions and root causes
- Report writing and compilation



## COURSE CONTENTS

**The Incident and Accident Investigations course covers the following topics:**

- Legal requirements for accidents, incidents investigation and for record keeping
- Accident / incident definitions and their relationship
- Causes of accidents
- Witnesses interview
- Application of accident causation models
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- Methods for effective evidence gathering
- Corrective action report writing and compilation
- Root-cause analysis
- Modern accident investigation and analysis techniques

## COURSE LIMITATIONS

The maximum number of participants - 24 persons.



## INCOME REQUIREMENTS:

To be assigned on Incident and Accident Investigations course, participant should present:

- Passport/ID



## DURATION OF THE TRAINING COURSE

The duration of the Incident and Accident Investigations course is 1 working day (7 hours).





## THE COURSE PROGRAM

### DAY 1

- Course introduction. Legal requirements
  - The course
  - Training program introduction
  - Legal requirements for accident investigation
- Accident / Incident definitions and their relationship
  - Accidents, Incidents, Near-misses and their relationship
- Accident causation
  - Causes of accidents
  - Application of accident causation models
- Accident investigation techniques
  - Modern accident investigation and analysis techniques
- Accident/Incident investigation procedures
  - Methods for effective evidence gathering
  - Witnesses interview
- Root-cause analysis
- Accident reporting and actions plans
- Assessment and Discussion

**Note:** during training course theoretical lessons are given using PowerPoint presentations, for practical exercises participants can be placed into groups of six or eight people.