

# TRAINING

## MARINE ACCIDENT & INCIDENT INVESTIGATION



Risk is inherent within any marine operation which means that accidents and incidents will occur. Marine accidents and incidents can be very complex, relevant authorities are responsible for investigating these events; anyone carrying out an investigation needs the skills to conduct a robust investigation.

### Course overview

This two-day course delivers the core knowledge required to understand the causatory effects of an accident, collate the required information and compile an investigation report with recommendations for improving safety.

The course is divided into eight sessions which lead delegates chronologically through the accident investigation process. The training course has been designed specifically around the needs of the ports industry, covering the generic skills necessary to carry out a safety investigation after any maritime or occupational accident. The course is delivered by an experience marine accident investigator, reinforced with real-world examples and exercises.

### Learning outcomes

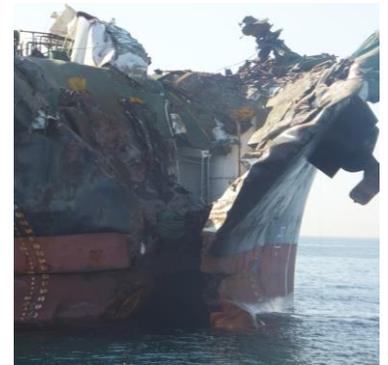
By the end of the course, attendees will understand:

- how and why accidents occur
- the essential importance of a safety investigation
- what is meant by organisational accidents
- how to recognise and avoid bias during an investigation
- how to recognise and collect human factors evidence
- how to use a basic accident analysis tool
- how to form good safety recommendations
- the structure and content of a good investigation report

### Who should attend

This two-day course is aimed at anyone whose role involves assessing marine risk or investigating maritime accidents and incidents, such as:

- Harbour masters, Deputy harbour masters, Pier masters
- Port safety officers
- Marine managers



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### COURSE DATES

31 March – 01 April 2020

21-22 October 2020

### VENUE

ABP Training Room  
Southampton

This course can also be run at  
client offices.

### COST

£490 per attendee

### BOOK YOUR PLACE

email: [events@abpmer.co.uk](mailto:events@abpmer.co.uk)

call us on +44 (0)23 8071 1889



## Course content

### Why should we investigate?

Risk is inherent within any marine operations. This means that accidents and incidents will occur. We will discuss the benefits that can result from an effective investigation and the differing cultures regarding blame and punishment.

### Anatomy of an incident

We will explore the antecedents of an accident to understand the factors leading to an accident. This topic will discuss 'how' and 'why' accidents occur.

### Human factors, human error and rudimentary analysis

Human error is a commonly used term within accident/incident investigation. It is important to know what is meant by human factors, human error and the human element. The topic will discuss the SHELL model which assists with the understanding of the relationship between systems and the human component.

We will provide direction on how to ensure that human factors are thoroughly explored during an investigation and what factors can lead to human error.

### Evidence and how to collect it

In the course of any investigation, evidence underpins the accuracy and robustness of derived conclusions. This topic will explore and discuss the different types of evidence including physical, documentary, technical and human; we will consider the challenges associated with collecting and analyzing each type.

This topic will also introduce the concept of cognitive interviewing which is designed so that the interviewer can aid the person being interviewed with the recollection of information.

### Accident models and analysis tools

The topic provides an overview of accident modelling before looking in detail at commonly used accident investigation analysis tools and how they can be used in practice.

### Safety recommendations and reports

A well conducted investigation will require effective reporting. This allows the relevant information and recommendations to be promulgated in a meaningful way. This topic will look at the characteristics of a good safety recommendation and discuss some of the pitfalls that can occur.

Delegates will be guided through the detail, form and content of a good safety investigation report which highlights what can be done to stop future reoccurrence.

## Trainer

The course is presented by a former Marine Accident Investigation Branch (MAIB) Inspector of Marine Accidents, with 10 years of experience during which he was involved with the investigation of over 30 serious marine accidents, resulting in over 100 recommendations for improving safety. This is backed up with 18 years at sea and 18 years in port marine management.

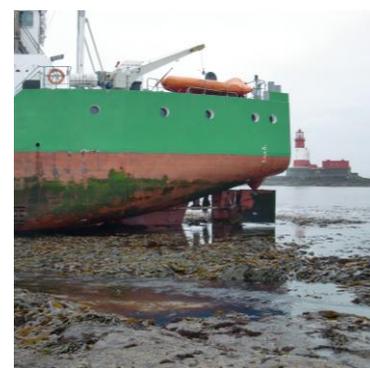
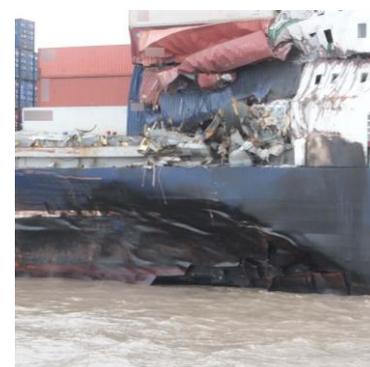
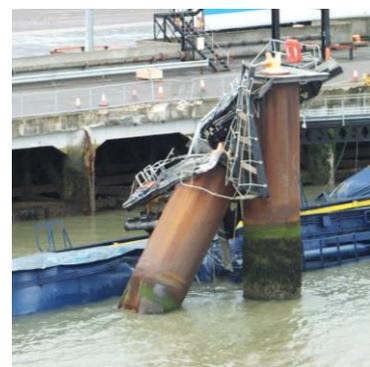


### FURTHER INFORMATION

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