



Advanced Fire Fighting Training Course

23 - 27 Sep 2024
Madrid (Spain)



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Ref.: 15283_251573 **Date:** 23 - 27 Sep 2024 **Location:** Madrid (Spain) **Fees:** 4900 Euro

Introduction

Fire safety within a building or installation must be managed to be effective. Therefore, fire safety management is concerned with the general study of fire prevention, fire development, fire control, fire dynamics, decay, and fire control and how fire safety measures manage the effects of fire on people, the environment, and financial conditions.

There is no "turnkey solution". Every workplace is different. Therefore, fire safety management and related fire risk assessments are not theoretical exercises. The purpose of this advanced fire safety management training is to improve fire safety NOT just by collecting and submitting risk assessments. So are you confident? Ask yourself if there is a major fire in your section, department, or factory, do people, including visitors and contractors, know exactly what to do and where to go? Will employees be able to initiate and perform available emergency procedures? To help answer these questions, this training examines the principles and practices of alerting, evacuation, emergency procedures, training, and exercises.

Teaching methods include presentations, group discussions, workshops, quizzes, project work, appropriate training DVDs, and case studies. The informal hands-on event is meant to motivate and challenge. A reference manual with handouts will be provided to each participant at the end of the course. This training uses relevant EU legislation, UK directives, GCC best practice, UK standards, and approved codes of practice from various Health & Safety Executive publications.

Targeted Competencies

- Use personal protective equipment and fire-fighting equipment, including suitable clothing and tools for penetration.
- Organize fire brigade teams.
- Carry out firefighting in groups for fire classes A, B, C, and D in a safe and controlled manner.

Targeted Groups

- Health, safety, and environmental professionals and firefighters who need to integrate their professional knowledge
- Experienced and new auditors connected to the company's HSE management systems HSE-MS
- Line managers and supervisors responsible for HSE functions or who wish to fulfill their role or be involved in HSE-MS
- All personnel involved in the implementation of the company HSE-MS
- The course is aimed at professionals working in offshore units or ships that are part of the firefighting team.

Course Objectives

- Learn the basics of advanced fire safety management
- Find out how to conduct a comprehensive fire risk assessment
- Means of detection and warning in case of fire
- Escape route and emergency lighting
- Understand the requirements for signage and fire fighting equipment
- How to provide personnel with information and training on risks?
- Understand the requirements of a comprehensive fire risk assessment and training needs analysis for key responders
- A safer office / industrial environment for you and your business
- Learn techniques for implementing effective fire safety management systems and contingency plans
- Understand the requirements for an efficient and timely response

Unit 1: Operational control on board

- Define the principles of safety.
- Identify areas at risk of fire.
- Make a list of fire precautions.
- Identify processes and ensure dry distillation, chemical reactions, and fire in gas collectors and water tube boilers.
- State fire fighting procedures. Describe fire control tactics and procedures.
- Describe the extinguishing agents used on board.
- Describe the use of water as a fire extinguisher on board, its effects on stability, precautions, and corrective procedures.
- Report the use of communication and coordination during firefighting operations.
- Describe ventilation control procedures, including fume extraction, fuel, and electrical systems. Mention the precautions against fire and the dangers associated with the storage and handling of certain materials such as paints, solvents, varnishes, etc.
- Describe coordination procedures and controls when evacuating casualties.
- Coordinated reporting procedures with damage control support ship crews and nearby units.

Unit 2: Organization and training of combat crews

- Create the fire plan preparation.
- Regulate the composition and division of personnel and combat/fire units. Plan fire crew training.
- Elaboration of fire prevention plans.
- View training for evacuation and abandonment of units.
- Describe the fire control strategies and tactics in the different parts of the unit.

Unit 3: Inspection of detection and fire-fighting systems and

equipment

- Identify fire alarms. Mention fire alarm systems.
- Describe fixed firefighting equipment.
- List the types of pumps, hoses, hydrants, and applicators.
- Describe mobile and portable fire extinguishers and their applications, personal protection, rescue, recovery, and communication.
- Mention automated fire extinguishing systems. Describe the qualification requirements for fire prevention experts on board.
- Describe the investigation procedures and the preparation of the fire report on board.
- Comment on the trainees' experience in firefighting.
- Provide examples of fire alarms.

Unit 4: Understanding Damage Control

- Conceptualize stability: gravity, buoyancy, and metacenter.
- Name the characteristics of a ship.
- Describe the main structural components and compartments on board.
- Locate reinforced areas of the structure for loading and securing.
- Prevent the damage you have to deal with: tanks, gas, welding, electricity, detectors, alarms, furnaces, and kitchens. Identify open water: buffer and bracing.
- The sketches show the water tightness: watertight door and bulkhead.
- Adjust the ballast system: pumps, nets, tanks, and valves.
- Describe the tools most commonly used to maneuver cargo.
- List of composition and responsibilities of the plane crash team. Describe the stages of an accident
- Describe procedures for escaping from an aircraft in the event of an accident on board or in the water.

Unit 5: protection of people, fire protection, evacuation drills, alert, and drills

- Fire protection Prevention and Protection Measures
- Who is responsible for assessment and planning in your organization?
- What are you planning now? Can it be improved?
- Perception and behavior of people in case of fire
- Fire emergency evacuation procedures and various bomb threat collection points
- Learn evacuation drills and firefighting drills
- Alert mechanisms, alert people, but will they do what you want?
- Guide for the development of training, drills, and fire drills
- How to Design Successful Evacuation Drills
- Reports and Recommendations
- What if the incident/evacuation lasts longer? A brief introduction to business continuity topic



**Registration form on the :
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code: 15283 **From:** 23 - 27 Sep 2024 **Venue:** Madrid (Spain) **Fees:** 4900 **Euro**

Complete & Mail or fax to Mercury Training Center at the address given below

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