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Incident and
risk
management
specialist for
the
petrochemical
industry

GRG EMERGENCY RESPONSE TRAINING

Here at GRG we believe that the training an employee receives is very important and is essential to the achievements of a business.

Our mission is to enhance the ability of fire and emergency services and allied professionals to deal more effectively with fire and related emergencies.

TO ACHIEVE OUR MISSION, WE WILL STRIVE TO

- Provide professional, relevant and engaging training;
- Provide prompt and professional customer service;
- Ensure our workforce has the necessary knowledge, skills and values to make a difference; and
- Support our clients and students in their role and encourage them to contribute their ideas so we can continually improve our ability to deliver our mission.

IS YOUR COMPANY PREPARED?

GRG can help you develop engaging and cost-effective training solutions for your company. We provide an extensive selection of site-specific training programs offered in multiple delivery modes, certificated courses allowing participants to provide evidence of competency in their practice specialties, delivered by specialists in their fields.

TAILORED TO YOUR NEEDS

GRG can deliver bespoke courses tailored to the needs of you and your staff. GRG specializes in planning and adapting courses to client's needs. If you as the reader, do not see the particular course you are in need of, contact us at info@globalrespondersgroup.com to discuss customized training to your department or industry's needs.

IS YOUR COMPANY PREPARED?

Index of Courses

EMERGENCY MANAGEMENT TRAINING.....	5
Emergency Management System Familiarization.....	5
Introduction to the Incident Command System (ICS) 100/200.....	6
Incident Management Team	7
Major Emergency management Initial Response (Company Specific Course)	8
Offshore Installation Manager (OIM) Controlling Emergencies (Coaching & Assessments)	9
Introduction to Control Room Emergency Response Role and Responsibilities	10
Control Room Operator (COR) Controlling Emergency and Critical Situations (Coaching & Assessments).....	11
Controlling Emergencies.....	13
Relative Response Team Training.....	14
How to Handle Media.....	15
Media Response	16
Business Continuity	17
Managing Spill Response	18
Incident Manager & On-Scene Commander Assessments	19
EXERCISE MANAGEMENT	20
Major Exercises	20
Simulated Exercises	21
Table Top Exercises	22
SEMINAR AND WORKSHOPS.....	23
Work Management Workshop	23
Bulk Fuel Storage Tanks – Hazard Management Workshop.....	24
Inspection and Testing of Fire Equipment	26
Basic Operating, Inspection and Fault Finding Principles of Fixed Fire Suppression Systems	27
Inspection and Testing of Fire Equipment	28
Fire & Gas Detection Workshop	29
Fire fighting Foam Technology	30
ISO AUDITING TRAINING COURSES.....	32
ISO 9001 Awareness Course	32
ISO 9001 Internal Auditing Course	33
OHSAS 18001 Awareness Course	34
OHSAS 18001 Internal Auditing Course.....	35

EMERGENCY RESPONSE COURSES.....	36
Emergency Vehicle Driver	36
Fire Apparatus Operator: Aerial	37
Fire Apparatus Operator: Airport Crash Truck	38
Fire Apparatus Operator: Mobile Water Supply	39
Fire Apparatus Operator: Pumper.....	40
Airport Fire Fighter	41
Fire Fighter I/II.....	42
Fire Fighter II.....	43
Fire Inspector I	44
Fire Inspector II	45
Fire Inspector III	46
Fire Instructor I.....	47
Fire Instructor II.....	48
Fire Instructor III.....	49
Fire Officer I	50
Fire Officer II	51
Fire Officer III	52
Fire Officer IV.....	53
Hazardous Materials Awareness and Operations.....	54
Hazardous Materials Incident Commander.....	55
Hazardous Materials Technician.....	56
Hazardous Materials Technicians Refresher	57
Incipient Industrial Fire Brigade Member	58
Advanced Exterior Industrial Fire Brigade Member	59
Industrial Fire Brigade Leader.....	60
Interior Structural Industrial Fire Brigade Member	61
Marine Fire Fighter I.....	62
Public Fire & Life Safety Educator I	63
Public Information Officer.....	64
Public Safety Telecommunicator I/II	65
Rapid Intervention Crews.....	66
RT: Confined Space I/II.....	67
RT: Rope I.....	68
RT: Rope II.....	69
RT: Trench I/II.....	70
RT: Vehicle Extrication I & Machinery Extrication I.....	71
Fire Department Safety Officer: Incident Safety Officer	72
Fire Department Safety Officer: Health and Safety Officer	73
Bulk Fuel Storage Tanks.....	74
Oil Spill Aerial Observer	76

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Oil Spill Management Workshop IMO Level 3	77
Oil Spill Management Workshop IMO Level 2	79
OTHER TRAINING	81
Fire Warden Training	81
Advanced Medical Response (Advance First Aider).....	82
Hazard Identification and Risk Assessment.....	83
Incident Investigation	84

Emergency Management Training

Emergency Management System Familiarization

Course Overview

Delegates receive training and familiarization on the Emergency Management System, which includes:

- Familiarization of the Emergency Management document suite
- How to use the Emergency Management document suite
- Emergency Management Team structure
- Emergency Management team population and rotational requirements
- Emergency Management team member roles and responsibilities overview
- Emergency Management facilities overview
- How the Emergency Management teams interact
- Notification and communication process during an emergency

Course Length

- 1-day

Prerequisites

- None

Target Audience

- All EMS delegates and delegates.

Standard Applied or Certification Required

- None

Revalidation

- One-time delivery no revalidation required

Health

- No health requirements for delegates

Introduction to the Incident Command System (ICS) 100/200

Course Overview

ICS 100 is an introduction to the Incident Command System, introduces the Incident Command System (ICS) and provides the foundation for higher level ICS training. This course describes the history, features and principles, and organizational structure of the Incident Command System. It also explains the relationship between ICS and those responding to an event. ICS 200 is designed to enable personnel to operate efficiently during an incident or event within the Incident Command System (ICS).

Course Length

- 1-day

Prerequisites

- Emergency Management System Familiarization

Target Audience

- Crisis Management Team Members, Emergency Response Team Leader designates, Security personnel and Control Room Operators.

Standard Applied or Certification Required

- Federal Emergency Management Agency standard for ICS 100/200

Revalidation

- Every 3 years

Health

- No health requirements for delegates

Incident Management Team

Course Overview

Incident Management Teams (IMT) play an essential role in the management of, and response to, local/regional/national emergencies, natural disasters and public events. GRG in consultation with the client develop a company specific IMT course that is designed to provide professional development support to help IMT members obtain the knowledge and skills needed to perform effectively as a team under stressful, dynamic conditions.

Learning Outcomes

Although this course is designed to be company specific subjects covered in this course include:

- ICS-400, Advanced ICS Command and General Staff, Complex Incidents, and MACS for Operational First Responders designed for those emergency response personnel who would function as part of an Area Command, EOC, or MAC during a large, complex incident or event. Or those personnel who are or would likely be part of a local or regional Incident Management Team during a major incident, whether single agency, multi-agency, or Unified Command.
- IS-700.A: National Incident Management System (NIMS) An Introduction overviews the National Incident Management System (NIMS). NIMS provides a consistent nationwide template to enable all government, private-sector, and nongovernmental organizations to work together during domestic incidents.
- IS-800.B: National Response Framework, An Introduction to the concepts and principles of the National Response Framework

Course Length

- 1-day

Prerequisites

- ICS 100, 200, 300

Target Audience

- Individuals with emergency management responsibilities including prevention, preparedness, response, recovery and mitigation.

Revalidation

- Every 2 years.

Health

- No health requirements for delegates

Major Emergency management Initial Response (Company Specific Course)

Course Overview

This course is designed to provide knowledge and experience in major emergency management. For delegates who have actual or potential prospects of command, the course allows them the opportunity to respond to a range of simulated major emergencies. This course is also beneficial for managers who wish to train with their own emergency command team.

The course can be tailored to personnel employed on company specific installations to give students an understanding of heat stress in fire-fighters.

Learning Outcomes

- Classroom lectures, case studies, discussions and desktop exercises on the essential elements and underlying principles of emergency management
- An introduction to emergency management performance criteria
- Practical scenarios, performed in a custom-built simulator. As well as acting as a member of the emergency team, or as an observer, each delegate has the opportunity of acting as the emergency manager on at least two occasions
- Briefing and debriefing sessions with a final appraisal of readiness for formal assessment

Course Length

- 1-day

Prerequisites

- None

Target Audience

- All personnel with emergency response duties who wish to learn more about management of major emergencies both as commander and team members.

Revalidation

- Every 2 years.

Health

- No health requirements for delegates

Offshore Installation Manager (OIM) Controlling Emergencies (Coaching & Assessments)

Course Overview

This course is designed to assess delegates' competency in controlling emergencies. Assessment is based on performance during three scenarios, undertaken in a purpose-built simulator, which replicates the main features of the delegate's own installation.

Assessors are all industry experts (independent of Global Responders Group Training Services) and are retained solely for the coaching and assessment process. They are SQA accredited and follow the OPITO standards for OIM Controlling Emergencies.

If required, additional coaching days can be arranged to precede the final assessment.

Delegates are briefed by the assessor on the OPITO-approved standard performance criteria for controlling emergencies. Initially formative exercises are held on day one to familiarise the delegate and their team with the process and the simulator.

Each formative exercise includes a debriefing session. This is then followed by the formal assessment exercises. The formal assessment process normally takes at least one day per delegate

Learning Outcomes

In accordance with the relevant standard, a minimum of three scenarios will be undertaken, based upon a major incident chosen from the following:

- Accommodation fire
- Collision or wave damage causing structural collapse
- Explosion and fire
- Helicopter incident
- Loss of stability (mobile installations)
- Pipeline incident
- Well control incident

Course Length

- 1-day

Prerequisites

- None

Target Audience

- Personnel who have command responsibility, including nominated deputies and reliefs.

Revalidation

- Every 3 years.

Health

- No health requirements for delegates

Introduction to Control Room Emergency Response Role and Responsibilities

Course Overview

The course is designed to provide an introduction to the emergency response role and responsibilities of a control room operator (CRO) in a centralised control room environment based upon a generic offshore production platform installation.

Delegates undertake classroom theory sessions, workshops and practical scenarios in a purpose built simulator.

All delegates are given constructive feedback by an independent certified industry assessor.

It is recommended that a period of six months minimum exists between attending this introductory course and formal assessment. This should allow the delegate sufficient time to participate in drills as a CRO and practice the role

Learning Outcomes

- Alarm management and interpretation
- Checklists and handover/incident logging
- Emergency shutdown and blow-down systems
- Fire and gas detection systems
- Generic emergency response role and responsibilities
- Hydrocarbon gas detection
- Process and utilities monitoring
- Stress management

Course Length

- 1-day

Prerequisites

- Delegates should have outside operator experience

Target Audience

- Aimed at potential CROs. On completion of the course, an appraisal is issued to the delegate and their employing company identifying their readiness for formal assessment.

Revalidation

- None.

Health

- No health requirements for delegates

Control Room Operator (COR) Controlling Emergency and Critical Situations (Coaching & Assessments)

Course Overview

This course is designed to assess delegates' competency in controlling emergencies. Assessment is based on performance during three scenarios, undertaken in a purpose-built simulator, which replicates the main features of the delegate's own installation.

Assessors are all industry experts (independent of Global Responders Group Training Services) and are retained solely for the coaching and assessment process. They are SQA accredited and follow the OPITO standards for CRO Controlling Emergencies and Critical Situations

If required, additional coaching days can be arranged to precede the final assessment. It is recommended, that where possible, two delegates attend the course

Delegates are briefed by the assessor on the OPITO-approved standard performance criteria for controlling emergencies and critical situations.

Initially, formative exercises are held on day one to familiarise the delegates with the process and the simulator.

Each formative exercise includes a debriefing session. This is then followed by the formal assessment exercises. The formal assessment process normally takes at least half a day per delegate

Learning Outcomes

In accordance with the relevant standard, a minimum of three scenarios will be undertaken, based upon a major incident chosen from the following:

- Assessment requirements and elements
- Simulator familiarization and procedure confirmation
- Training and delegate feedback
- Assessor/delegate review and appraisal of readiness for formal assessment
- Formal assessment

Course Length

- 1-day

Prerequisites

- Delegates provide a completed element 1.1 at the start of the assessment process. The required element 1.1 will be sent out with the joining instructions. It is also recommended that delegates have already completed an initial Introduction to Control Room Emergency Response Role and Responsibilities course. Delegates will also have completed Basic Offshore Safety Induction and Emergency Training and/or Further Offshore Emergency Training, or a suitable alternative programme

Target Audience

- Control room operators who operate process both onshore and offshore.

Revalidation

- Every 3 years.

Health

- No health requirements for delegates

Controlling Emergencies

Course Overview

This course covers the principles and topics of 5.2.2 Introduction to the Incident Command System (ICS) 100/200, as well as, ICS-300 Intermediate, ICS-400 Advanced and Position Specific Training. ICS-300 and ICS-400 for expanding incidents provides training and resources for personnel who require advanced knowledge and application of the ICS. Position-specific training is designed to provide Emergency Management Team Members with a robust understanding of the duties, responsibilities, and capabilities of their roles within the assigned team. Didactic training is combined with exercises and simulations to enable delegates to process and apply their new knowledge.

Course Length

- 4-days

Prerequisites

- Emergency Management System Familiarization

Target Audience

- Incident Management Team Members and On-scene Commander designates.

Standard Applied or Certification Required

- Federal Emergency Management Agency standard for ICS 100/200/300/400

Revalidation

- Every 3 years

Health

- No health requirements for delegates

Relative Response Team Training

Course Overview

The Relative Response Course is a customized course to needs and includes why crisis communications to families is vital, relative response procedures following plans on how to handle inquiries and discuss what information is important to get to relatives during and incident. Training includes tabletop role playing exercises in which RRT splits into groups as role players and RRT members and simulate handling calls from friends, relatives and members of the public who have become aware of an incident on a facility and are calling wanting information.

Course Length

- 2-days

Prerequisites

- Emergency Management System Familiarization
- Introduction to the Incident Command System (ICS) 100 / 200

Target Audience

- Employees nominated to participate on the Relative Response Team

Standard Applied or Certification Required

- Industry Best Practice

Revalidation

- Every 3 years

Health

- No health requirements for delegates

How to Handle Media

Course Overview

Responding appropriately to media inquiries during an emergency plays a critical role in the public's perception of the company and its policies. This half-day course should prepare team members who may come in contact with the public or journalists, but are not authorized to speak on behalf of the company.

Training will include how best to respond to unwanted questioning, how to direct inquiries to the right source of information and how the media in general is dealt with during an incident.

Course Length

- ½-day

Prerequisites

- Emergency Management System Familiarization
- Introduction to the Incident Command System (ICS) 100 / 200 or 5.2.3 Controlling emergencies using the Incident Command System (ICS) and MEM Exercises

Target Audience

- Personnel nominated to fill the roles of Incident Management Team Section Chiefs, IMT Administrative Assistant and Crisis Management Team members nominated for the position of Crisis Manager, Finance and Relative Response.

Standard Applied or Certification Required

- Industry Best Practice

Revalidation

- Every 3 years

Health

- No health requirements for delegates

Media Response

Course Overview

Delegates deal with theoretical crisis management, developing practical media handling skills within a crisis framework. The course will be specifically tailored to the Media Response Plan and methodology of response and business.

Training will be divided into theory sessions and practical sessions, interspersed with tips and role specific training. Training will include developing an action plan, dealing with journalists' walk-ins and handling live media interviews. Each activity should be recorded and played back for analysis.

Course Length

- 2-days

Prerequisites

- Emergency Management System Familiarization
- Introduction to the Incident Command System (ICS) 100 / 200 or 5.2.3 Controlling emergencies using the Incident Command System (ICS) and MEM Exercises

Target Audience

- Crisis Management Team members nominated in the roles of Media Response, Information Technology, Human Resources and Business Continuity functions

Standard Applied or Certification Required

- Best Industry Practice

Revalidation

- Every 3 years

Health

- No health requirements for delegates

Business Continuity

Course Overview

Business Continuity is about taking responsibility for your business and enabling it to stay on course delivering its critical functions whatever disruption occurs. BCM Training is about building and improving resilience in your business, and identifying your key products and services and the most urgent activities that underpin them. This training, based on plans and strategies is developed to enable delegates to continue business operations and recover quickly and effectively, from any type of disruption whatever its size or nature.

Course Length

- 2-days

Prerequisites

- Emergency Management System Familiarization
- Introduction to the Incident Command System (ICS) 100 / 200

Target Audience

- Crisis Management Team members nominated in the roles of Information Technology, Finance and Business Continuity functions.
- Standard Applied or Certification Required
- The Supreme Council for National Security in UAE BCM specification – AE/SCNS/
- NCEMA 7000:2015

Revalidation

- Every 3 years

Health

- No health requirements for delegates

Managing Spill Response

Course Overview

This training is for delegates tasked with decision making during a spill response. It provides delegates with the essential skills and knowledge required to effectively manage an emergency response team and perform the role of Incident Commander. Training includes complex key responsibilities of spill management and includes: dealing with authorities, effective incident control, environmental awareness, legal and financial implications, initial assessment, strategic planning, logistics, operational management, monitoring and termination of clean-up operations. Safe spill management is a subject that is thoroughly explored throughout the course.

Course Length

- 2-days

Prerequisites

- Emergency Management System Familiarization
- Controlling emergencies using the Incident Command System (ICS) and MEM Exercises

Target Audience

- Personnel nominated to fill the roles of Incident Management Team Section Chiefs and Emergency Response Team members nominated for the position of On-Scene Commander

Standard Applied or Certification Required

- IMO Level 3, MCA Level 5/5P

Revalidation

- Every 3 years

Health

- No health requirements for delegates

Incident Manager & On-Scene Commander Assessments

Course Overview

The assessments are designed to assess delegates' competency in controlling emergencies. Assessment is based on performance during three scenarios, undertaken in a purpose-built simulator, which replicates a command and control centre. Delegates are briefed by the assessor on performance criteria for controlling emergencies. The assessment sessions consist of a series of exercises (three) each of increasing complexity and duration. Each exercise includes a debriefing session.

As part of a quality assurance process, delegates for the position of Incident Manager and On-Scene Commander are required to participate in a formal assessment session to determine the level of competence and suitability for this role.

Delegates are required to demonstrate competence in a number of defined performance criteria and is assessed on the following elements:

- Operations and Production knowledge and understanding in relation to the terminal throughput, inventory, plant areas and infrastructure.
- Emergency Response knowledge, use of Emergency Response Plans and selection of Incident Management Guides (IMGs).
- Use of Incident Command System to manage any incident and management of self and team performance.

Course Length

- 1-day

Prerequisites

- Emergency Management System Familiarization
- Controlling emergencies using the Incident Command System (ICS) and MEM Exercises
- Managing Spill Response

Target Audience

- Incident Management Team members nominated as Incident Managers and Emergency Response Team members nominated for the position of On-Scene Commander

Standard Applied or Certification Required

- Industry best practice

Revalidation

- Every 3 years

Health

- No health requirements for delegates

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Exercise Management

Major Exercises

Overview

This service is designed to provide a test of the customers' response to a major emergency involving the installation, terminal or onshore emergency response teams, control room personnel, management team and, where appropriate, the company support teams. It enables delegates to conduct a critical review of their emergency response plan, in compliance with Prevention of Fire, Explosion and Emergency Response (PFEER) or Control of Major Accidents and Hazards (COMAH) Regulations, or any other local legislation that may apply globally

Structure

Delegates will take part in a challenging scenario, which involves all key areas of the emergency response organisation. A realistic scenario is created, which maintains the operational status of the installation or onshore plant. External agencies such as Environmental, HSE, Police, Fire Service, Maritime etc will either participate or be role played

Contents

- Appraising the performance of emergency response teams, emergency command teams and onshore support teams
- Providing a training and coaching opportunity for offshore and onshore emergency response teams in the command and control of major emergencies
- Testing the adequacy of emergency response plans and procedures and identifying scope for improvement
- Testing interfaces in both plans and procedures between the company, its contractors and other external participants.

Prerequisites

- Previous emergency management exercising is beneficial

Target Audience

- Operational sites, supporting response teams, crisis management teams, authorities and regulators.

Standard Applied or Certification Required

- Industry best practice

Revalidation

- None.

Dates

- On request, however a minimum notice of 6 months is preferred to get external participation planned and agreed

Simulated Exercises

Overview

This service is designed to test of the customers' response to a simulated emergency involving the onshore/offshore emergency response teams at all levels of the response. A simulated exercise will replicate the environment that will exist in a real emergency, introducing the attendees to pressure and stress, allowing them to practice prioritisation and the command and control techniques. However, the amount of pressure and stress is controlled by the directing staff to create the environment needed to maximise learning. All communications are controlled using role players. These exercises will examine the appropriate Emergency Response Plans

Structure

Delegates take part in a testing scenario, which involves all key areas of the emergency response organisation. A realistic scenario is created in conjunction with the customer. The customer will provide a role player to simulate the incident site and ensure the accuracy of the information being communicated. All other external stakeholders will be role played as well as any internal roles that cannot participate

Contents

- To practice teams responding in a realistic environment
- To practice command and control
- To practice individuals working as a team
- To practice use of procedures, and confirm understanding
- To check data and information available to the team
- To practice logging information
- To practice completion of reports and returns.

Prerequisites

As a minimum, delegates should have received induction training for their respective response teams

Target Audience

- Members from associated teams that are not being exercised, but would need to be simulated can be role played by actual members of that team. This provides an excellent additional learning medium.

Standard Applied or Certification Required

- Industry best practice

Revalidation

- None.

Dates

- On request, however a minimum notice of 8 weeks is preferred to get external participation planned and agreed

Table Top Exercises

Overview

This service is designed to provide a test of the participating company's response to a simulated emergency involving all levels of the response, from the incident site to the supporting teams. A tabletop exercise will examine the response issues and allow the participants to discuss them in plenary rather than taking any actions. No communications are made except to test real contact numbers as contained in the relevant response documentation

Structure

Injects are introduced via paper and as necessary the participants are split into their response teams or companies. The issues are then researched off line using the appropriate plans before discussing the issues in plenary. Findings are recorded and are used to finalise the plans

Contents

- Lines of communication
- Notification
- Mobilisation
- Golden hour of response
- HR issues
- Media issues
- Business issues.

Prerequisites

None

Target Audience

- Project members and/or response team members.

Standard Applied or Certification Required

- Industry best practice

Revalidation

- None.

Dates

- On request, however a minimum notice of 3 weeks is preferred to get external participation planned and agreed

Seminar and Workshops

Work Management Workshop

Course Overview

Management and control of work is fundamental in the daily activities of any energy organisation. A UK HSE survey showed that a third of all accidents in the UK Chemical industry occurred when maintenance work was being carried out, the largest single cause of these being a failure to control the work. This is a systemic issue across industry.

Course Length

- 2-Days

Prerequisites

- None

Target Audience

- Those deemed to have a role in the organisations work management, managers and contracting staff

Revalidation

- As required

Health

- No health requirements for delegates

Bulk Fuel Storage Tanks – Hazard Management Workshop

Introduction

Sea Ports – Fuel Depot's – Airports all have one thing common Bulk Fuel Storage Tanks, whether they are a single tank holding one type of flammable liquid or many tanks with different contents, all hold large quantities of flammable liquids above ground. How many of your staff actually knows what the risks of these tanks are, how they are constructed, and what to do if they leak or burn?

Purpose

This 2-day seminar is designed to provide delegates such as Emergency Responders, Officers, HSE Personnel, Planners, and Operators of refineries or fuel handling facilities serving Sea Ports, Air Ports or Fuel Depots with the critical information they need before a tank incident takes place. The program has been developed from the worldwide experience of GRG and will ensure that delegates are updated in the latest techniques in this important field.

Major topics covered in this presentation are:

- Lessons learned from past incidents
- Legislation
- Mitigation planning based on credible scenarios
- Types of tanks
- Tank Construction
- Tank Protection and detection systems
- Containment
- Hazard Zone Identification and control of ignition sources
- Control of work (permit systems)
- Calculating resource needs based on existing standards and recommendations
- Practical issues regarding fire response options
- Preplanning for incidents
- Maintaining response capability
- Process, responsibility, and authority

Course Length

- 2-Day

Prerequisites

- None

Target Audience

- This workshop is directly relevant to personnel responsible for any aspect of Fire Hazard Management at facilities where flammable liquids are stored in large quantities such as;
- Fire Responders
- Safety Professionals
- System Design Engineers
- Fire Protection Engineers

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- Loss Prevention Engineers
- Facility Operators and managers
- Health, Safety and Environmental Protection Agencies
- Those studying towards NFPA Certified Fire Protection Specialist.

Inspection and Testing of Fire Equipment

Course Overview

This workshop is designed specifically to assist facility operators and fire responders ensure that Fire Systems they use are fit for purpose and operate in accordance with their design intent.

Background Experience has shown that fire detection and protection systems are not always designed in sufficient detail to ensure that they meet the performance criteria necessary to reliably achieve their intended role. In some cases, this role is not even clearly defined.

The problem is compounded because often the system designer or specifier has not had the operational experience or feedback necessary to ensure system practicability.

As fire systems do not provide a direct contribution to production and revenue, they are sometimes not given the specification, inspection or maintenance priorities that they deserve.

This situation can result in fire systems not providing the performance required when called upon to do so.

Obviously this is unacceptable, especially when safety critical systems such as offshore helideck foam systems are involved.

Recognizing this situation, the Oil and Gas Producers' Association commissioned Resource Protection International to develop a Guidance Note on the overall process of Fire Systems Integrity Assurance (FSIA).

Course Length

- 1-Day

Prerequisites

- None

Target Audience

- Facility operators and fire responders.

Revalidation

- As required.

Health

No health requirements for delegates

Basic Operating, Inspection and Fault Finding Principles of Fixed Fire Suppression Systems

Course Overview

This 3 day workshop is designed to provide the participants with the skills necessary to identify the basic operating principles of fixed fire suppression systems and fire detection systems and the participant with the knowledge required to carry out basic fault finding on such systems

Workshop Objectives

To help participants understand how these systems work together as a package to help protect life and property from the threat of fire by discussing

- Building codes, fire prevention codes and fire prevention standards
- Water supplies for fixed fire protection systems
- Water based fire protection
- Special agent fire suppression systems
- Fire alarm systems and components
- Inspection, testing and maintenance

The programme has been developed from the worldwide experience of GRG and will ensure that delegates are updated in the latest techniques in this important field.

Course Length

- 3-Day

Prerequisites

- None

Inspection and Testing of Fire Equipment

Overview

This course is designed to instruct students about the inspection and testing of fire fighting appliances and operational equipment. The course is theoretical to give students a greater understanding of equipment testing

Learning Outcomes

To help participants understand how these systems work together as a package to help protect life and property from the threat of fire by discussing

- Introduction
- Legislation
- Inspecting testing and maintenance
- Equipment

The programme has been developed from the worldwide experience of GRG and will ensure that delegates are updated in the latest techniques in this important field.

Target Audience

- Emergency Fire Team members/leaders/managers.

Course Length

- 2-Day

Prerequisites

- None

Fire & Gas Detection Workshop

Course Overview

The objective of this Workshop is to provide delegates with a working knowledge of all aspects of fire and gas detection principles, fixed fire and gas detection system functionality and portable gas detection product selection. This will include discussion of fire hazard incidents, gas hazard incidents and fire and gas detection system critical performance criteria. Certification issues under the terms of the ATEX directive and SIL methodology will also be discussed. These will cover the methods of protection for electrical equipment to be used in potentially flammable atmospheres and the integrity of safety systems.

Course Length

- 2-Day

Prerequisites

- None

Target Audience

- Facility operators, Maintenance Personnel, Fire Safety Engineers / Inspectors and fire responders

Revalidation

- As required

Health

- No health requirements for delegates

Fire fighting Foam Technology

Overview

This course is designed to explain fire fighting foams, types and uses. The course is theoretical to give students a greater understanding of foam fire fighting media.

Who Should Attend

- Emergency Fire Team members/leaders/managers.

Learning Outcomes

- Foam history
- How foam works
- Foam expansion ratios
- Wetting agents
- Foam concentrates
- Fuel emulsifiers
- Compatibility
- Viscosity
- Corrosion
- Storage and use
- Temperature conditions
- Order of use
- Storage containers and bulk storage
- Physical property tests of foam concentrates
- Specific gravity (relative density)
- PH (acidity/alkalinity)
- Sediment (sludge)
- Spreading coefficient
- Effects of freeze/thaw
- Accelerated ageing
- Viscosity
- Foam concentrate standard fire tests
- How long is the preburn?
- How deep is the fuel?
- What is the application rate?
- How is foam applied?
- Conditions for fire tests
- What burn back test is used?
- Periodic testing of foam concentrates
- Collection of foam concentrate samples
- Properties of finished foams
- Effects on fire fighting
- Foam making equipment
- Categories of fire and use of foam

Course Length

- 3-Days

Prerequisites

- None

Target Audience

- Facility operators and fire responders.

Revalidation

- Recommended every 2 years.

ISO Auditing Training Courses

ISO 9001 Awareness Course

The one-day course provides participants with an in- depth understanding and knowledge of key terms, definitions and the requirements of a Quality Management System based on the ISO 9001 standard. It provides the guidelines for the application and implementation of the standard to existing processes within the organisation resulting in improved performance and increased customer satisfaction.

Course Length

- 1-Day

Prerequisites

- None

Target Audience

- Employees involved in the planning, implementing and maintaining of an ISO9001 Quality Management System

Revalidation

- Upon revision of current standard

Health

- No health requirements for delegates

ISO 9001 Internal Auditing Course

The 2-day course provides an understanding of the auditing requirements based on ISO 9001 and gives Internal Auditors and potential auditors the skills, knowledge and understanding of the principles and practices of effective auditing of a Quality Management System. Auditors will acquire an understanding of the attributes required for the successful implementation and monitoring of an effective QMS and their role in its continual improvement.

Course Length

- 2-Days

Prerequisites

- ISO9001 Awareness or Introductory Training

Target Audience

- Employees involved in the auditing and maintaining of an ISO9001 Quality Management System.

Revalidation

- Upon revision of current standard

Health

- No health requirements for delegates

OHSAS 18001 Awareness Course

The one-day course provides an understanding of the OHSAS 18001 requirements and a basic overview of the principles behind the management of health and safety in the workplace. The course also introduces the benefits of establishing a management system under the framework of OHSAS 18001 and how existing and newly-developed health and safety practices can be continually improved.

Course Length

- 1-Day

Prerequisites

- None

Target Audience

- Employees involved in the planning, implementing and maintaining of an Occupational Health & Safety Management System

Revalidation

- Upon revision of current standard

Health

- No health requirements for delegates

OHSAS 18001 Internal Auditing Course

The 2-day course will give Internal Auditors and potential auditors the essential information required to understand the audit process under OHSAS 18001 and the skills and knowledge needed to plan, manage and implement an audit programme to ensure the occupational health and safety management system is effectively controlled and monitored.

Course Length

- 2-Days

Prerequisites

- OHSAS 18001 Awareness or Introductory training

Target Audience

- Employees involved in the auditing and maintaining of an Occupational Health & Safety Management System

Revalidation

- Upon revision of current standard

Health

- No health requirements for delegates

Emergency Response Courses

Emergency Vehicle Driver

This course and the exams are based on NFPA 1002 Standard on Fire Apparatus Driver/Operator Professional Qualifications.

This course is a prerequisite for any Fire Fighter wishing to qualify as an;

- Apparatus Operator: Aerial
- Apparatus Operator; Airport Crash Truck
- Apparatus Operator: Mobile Water Supply
- Apparatus Operator: Pumper

This course consists of four modules:

- Types of apparatus
- Apparatus inspection and maintenance
- Apparatus safety
- Operating emergency vehicles

Physical Requirements

- Must be in good physical condition for this course

Required Reading

- Pumping and Aerial Apparatus Driver/Operator Handbook, 3rd Edition
- Hazardous Materials for First Responders (Current)

Course Duration

- 16 Hours

Pre-Requisites

- Valid Driver's License
- 18 years of age
- High School Diploma

Fire Apparatus Operator: Aerial

A course designed to provide the structural Fire Fighter with the needed knowledge and skills to successfully operate aerial apparatus.

A must for departments using aerial apparatus, this course covers such topics as:

- Types and Construction of Aerial Apparatus
- Positioning Aerial Apparatus
- Stabilizing Systems
- Maintenance and Testing

This course is based on NFPA 1002, Standard on Fire Apparatus Driver/Operator Professional Qualifications, and may lead to Pro Board certifications.

Required Reading

- Pumping and Aerial Apparatus Driver/Operator Handbook, 3rd Edition
- Hazardous Materials for First Responders (Current)

Physical Requirements

- Must be in good physical condition for this course

Course Duration

- 40 Hours

Pre-Requisites

- 18 years of age
- High School Diploma/GED
- Valid Driver's License
- (PB/IFSAC) Fire Fighter I or Volunteer Fire Fighter
- Successful completion of Emergency Vehicle Driver course

Fire Apparatus Operator: Airport Crash Truck

This course is based on NFPA 1002, Standard on Fire Apparatus Driver/Operator Professional Qualifications and may lead to Pro Board certification.

The course is designed for fire apparatus drivers who will be operating a fire department emergency vehicle intended to carry rescue and fire-fighting equipment for rescuing occupants and combating fires in aircraft at, or in the vicinity of, an airport.

Required Reading

- Aircraft Rescue and Fire Fighting, 5th Edition (Current)
- Hazardous Materials for First Responders (Current)

Physical Requirements

- You must be in good physical condition for this course

Course Duration

- 16 Hours

Pre-Requisites

- 18 years of age
- High School Diploma
- Valid Driver's License
- (PB/IFSAC) Fire Fighter I
- Successful completion of Emergency Vehicle Driver course
- (PB/IFSAC) Airport Fire Fighter

Fire Apparatus Operator: Mobile Water Supply

This course and the exams are based on NFPA 1002, Standard on Fire Apparatus Driver/Operator Professional Qualifications and may lead to Pro Board certification.

This course is designed for fire apparatus drivers who will be operating a vehicle designed primarily for transporting (pickup, transporting, delivering) water to fire emergency scenes to be applied by other vehicles or pumping equipment.

Required Reading

- Pumping and Aerial Apparatus Driver/Operator Handbook, 3rd Edition
- Hazardous Materials for First Responders (Current)

Physical Requirements

- You must be in good physical condition for this course

Course Duration

- 16 Hours

Pre-Requisites

- 18 years of age
- High School Diploma
- Valid Driver's License
- (PB/IFSAC) Fire Fighter I
- Successful completion of Emergency Vehicle Driver course

Fire Apparatus Operator: Pumper

This course and the exams are based on NFPA 1002, Standard on Fire Apparatus Driver/Operator Professional Qualifications, and may lead to Pro Board certification.

This course consists of six modules:

- Preventative Maintenance
- Tests and Inspections
- Driving/Operating
- Water Supply
- Sprinklers and Standpipes
- Operations

Required Reading

- Pumping and Aerial Apparatus Driver/Operator Handbook, 3rd Edition
- Hazardous Materials for First Responders (Current)

Physical Requirements

- You must be in good physical condition for this course

Course Duration

- 40 Hours

Pre-Requisites

- 18 years of age
- High School Diploma
- Valid Driver's License
- (PB/IFSAC) Fire Fighter I
- Successful completion of Emergency Vehicle Driver course

Airport Fire Fighter

Designed for fire departments, both civilian and military, whose primary mission is aircraft fire and rescue.

This course meets the training requirements of both NFPA 1003, "Standard for Airport Fire Fighter Professional Qualifications" and FAA FAR Part 139.319 and may lead to ProBoard certification.

The course covers such topics as:

- Airport Familiarization
- Aircraft Rescue and Fire Fighting Apparatus
- Aircraft Types
- Engines and Systems
- Aircraft Rescue
- Fire Fighting Procedures

These classroom sessions are followed by practical exercises in:

- Turret operations
- Extinguishment of wheel/brake, engine, interior cabin, and fuel spill fires through the use of hand lines.

This course will be held at a facility where various aircraft and apparatus are available.

Required Reading

- Aircraft Rescue and Fire Fighting, 5th Edition (Current)
- Hazardous Materials for First Responders (Current)

Physical Requirements

- This is a physically demanding course which requires students to be in good physical condition.

Course Duration

- Hours 44

Pre-Requisites

- High School Diploma
- IFSAC or ProBoard Certified Fire Fighter II
- Documented proof of training for Hazardous Materials Awareness and Operations

Fire Fighter I/II

This course is based on NFPA 1001, "Standard for Fire Fighter Professional Qualifications" and may lead to Pro Board certification.

The course is designed for the person who seeks the knowledge and skills to function as an integral member of a fire-fighting team under direct or general supervision in hazardous conditions.

The Fire Fighter I/II course consists of a combination of classroom study, drill field practice, and training evolutions that will prepare the fire fighter to perform most fireground functions under the supervision of an officer or experienced fire fighter.

Successful completion of all written exams, practical exercises and a passing score on the state certification exam is required for certification.

Required Reading

- Essentials of Fire Fighting & Fire Department Operations, 6th Edition (Current)
- Hazardous Materials for First Responders (Current)

Physical Requirements

- This is a physically demanding course which requires the student to be in good physical condition

Course Duration

- Hours 360

Pre-Requisites

- 18 years of age
- Copy of High School Diploma
- Driver's License & Health Insurance card
- Physical Statement form signed by a LICENSED PHYSICIAN within the last 12 months (required for Fire Fighter I/II only)
- Fire Fighter Medical Exam form signed by a licensed physician, physician's assistant or a nurse practitioner
- Vaccinations to include Tetanus Booster and Hepatitis B
- Successful completion of Candidate Physical Ability Test (CPAT)
- Proof of First Responder that meets or exceeds the DOT Medical First Responder
- Hazardous Materials Awareness & Operations (to include Cpts. 6.2 & 6.6 of NFPA 472) Certification (IFSAC or Pro Board)

Fire Fighter II

A course designed for the Fire Fighter I who is ready to assume more of a leadership role in a department.

This course consists of classes designed to give the student more knowledge of fire ground situations so that he/she can make basic evaluations of safety problems and assume leadership roles in carrying out interior attack and search operations.

Required Reading

- Essentials of Fire Fighting & Fire Department Operations, 6th Edition (Current)
- Hazardous Materials for First Responders (Current)

Physical Requirements

- This is a physically demanding course which requires you to be in good physical condition

Course Duration

- Hours 40

Pre-Requisites

- 18 years of age
- High School Diploma/GED
- Valid Driver's License
- IFSAC or ProBoard Certified Fire Fighter I
- Co-Requisite: Hazardous Materials Awareness & Operations (to include Cpts. 6.2 & 6.6 of NFPA 472) Certification (IFSAC or Pro Board)

Fire Inspector I

This course is based on NFPA 1031 "Standard for Professional Qualifications for Fire Inspector and Plan Examiner" and may lead to ProBoard certification.

A beginning level course for Fire Fighters and other interested parties wishing to become more involved in the aspect of fire prevention and inspections.

This course is primarily designed for those entering into fire service inspections and would be extremely useful to city inspectors and company level officers.

Some of the topics covered in this course include:

- Building Construction
- Decorative Materials and Furnishings
- Fire Drills
- Inspection Procedure
- Code Enforcement
- Fire Alarms
- Communications

Required Reading

- Fire Code and edition adopted by the student's jurisdiction
- Fire Inspector: Principles and Practice: Revised 1st Edition
- International Fire Code (IFC)
- NFPA 1 Uniform Fire Code
- NFPA 101 Life Safety Code

Physical Requirements

- None

Course Duration

- Hours 40

Pre-Requisites

- 18 Years of Age
- High School Diploma

Fire Inspector II

This course is based on NFPA 1031 "Standard for Professional Qualifications for Fire Inspector and Plan Examiner" and may lead to ProBoard certification.

This course delves deeper into the interpretation of applicable codes and standards, covers the procedure involved in various types of inspections and prepares the inspector for the plans review process.

It is an advanced level course that covers a wide range of topics some of which are:

- Inspection Procedure
- Building Construction
- Occupancy Classification
- Means of Egress
- Fire Protection and Water Supply Systems
- Plans Review
- Storage of Hazardous Materials.

Physical Requirements

- None

Required Reading

- Fire Code and edition adopted by the student's jurisdiction
- Fire Inspector: Principles and Practice: Revised 1st Edition
- International Fire Code (IFC)
- NFPA 1 Uniform Fire Code
- NFPA 101 Life Safety Code

Course Duration

- Hours 40

Pre-Requisites

- 18 years of age
- High School Diploma
- IFSAC or ProBoard Fire Inspector I

Fire Inspector III

This course is based on NFPA 1031 "Standard for Professional Qualifications for Fire Inspector and Plan Examiner" and may lead to ProBoard certification.

This course provides the participant with an in-depth view of the skills and duties required of the Fire Inspector III.

The Fire Inspector III is an individual at the third and most advanced level of progression, who has met the job performance requirements specified in NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner.

The Fire Inspector III performs all types of fire inspections, plans review duties and resolves complex code-related issues.

Physical Requirements

- None

Required Reading

- Fire Code and edition adopted by the student's jurisdiction
- Fire Inspector: Principles and Practice: Revised 1st Edition
- International Fire Code (IFC)
- NFPA 1 Uniform Fire Code
- NFPA 101 Life Safety Code

Course Duration

- Hours 40

Pre-Requisites

- 18 years of age
- High School Diploma
- IFSAC or ProBoard Fire Inspector I

Fire Instructor I

This course is based on NFPA 1041, "Standard for Fire Service Instructor Professional Qualifications", and may lead to ProBoard certification.

The course is designed for individuals who want to develop the knowledge and ability to deliver instruction effectively from a prepared lesson plan, including instructional aids and evaluation instruments; adapt lesson plans to the unique requirements of the students and the authority having jurisdiction; organize the learning environment so that learning is maximized; and meet the record-keeping requirements of the authority having jurisdiction.

Physical Requirements

- None

Required Reading

- Fire Service Instructor: Principles & Practice 2nd Edition (Current)

Course Duration

- Hours 40

Pre-Requisites

- High School Diploma
- IFSAC or Pro Board Certified Fire Fighter I

Fire Instructor II

This course is based on NFPA 1041, "Standard for Fire Service Instructor Professional Qualifications", and may lead to ProBoard certification.

The course is designed for the fire service instructor who, in addition to meeting Instructor I qualifications, wants to develop the knowledge and ability to develop individual lesson plans for a specific topic including learning objectives, instructional aids, and evaluation instruments; schedule training sessions based on overall training plan of the authority having jurisdiction; and supervise and coordinate the activities of other instructors.

Physical Requirements

- None

Required Reading

- Fire Service Instructor: Principles & Practice 2nd Edition (Current)

Course Duration

- Hours 40

Pre-Requisites

- High School Diploma
- IFSAC or Pro Board Certified Fire Instructor I

Fire Instructor III

This course is based on NFPA 1041, "Standard for Fire Service Instructor Professional Qualifications", and may lead to ProBoard certification.

This course is intended for the instructor who is ready to assume a leadership role by moving into the upper management level of his/her department and wants to develop the knowledge and ability to develop comprehensive training curricula and programs for use by single or multiple organizations; conduct organization needs analysis; and develop training goals and implementation strategies.

Physical Requirements

- None

Required Reading

- Fire Service Instructor: Principles & Practice 2nd Edition (Current)

Course Duration

- Hours 40

Pre-Requisites

- High School Diploma
- IFSAC or Pro Board Certified Fire Instructor II

Fire Officer I

This course is based on NFPA 1021 "Standard for Fire Officer Professional Qualifications" and may lead to ProBoard certification.

The course identifies the requirements necessary to perform the duties of a first line supervisor.

This course introduces the student to the basic concepts of management and supervision by concentration on such topics as:

- Organizational structure
- Communication skills
- Human resource management
- Public relations, planning
- Emergency service delivery and safety

Physical Requirements

- None

Required Reading

- Fire and Emergency Services Company Officer, 5th Edition

Course Duration

- Hours 40

Pre-Requisites

- IFSAC or ProBoard Fire Fighter II
- IFSAC or ProBoard Fire Instructor I

Fire Officer II

This course is based on NFPA 1021 "Standard for Fire Officer Professional Qualifications" and may lead to ProBoard certification.

The course is designed for the fire officer who is ready to assume more of a leadership role by moving into the middle management level of his/her department.

This course expands on the knowledge base attained in Fire Officer I by revisiting some of the same subjects and adding additional material including management, government structure, and departmental budget planning and management.

Physical Requirements

- None

Required Reading

- Fire and Emergency Services Company Officer, 5th Edition

Course Duration

- Hours 40

Pre-Requisites

- IFSAC or ProBoard Fire Officer I
- IFSAC or ProBoard Fire Instructor I

Fire Officer III

This course is based on NFPA 1021 "Standard for Fire Officer Professional Qualifications" and may lead to ProBoard certification.

This course is specialized for the chief officer who is ready to advance into the upper management level of his/her department.

This course consists of subjects designed to give the officer more knowledge of management and administration so that he/she can make basic evaluations of employee relations and assume a more proactive role in his/her department.

This is a projects-based class.

Physical Requirements

- None

Required Reading

- Chief Officer, 3rd Edition

Course Duration

- Hours 40

Pre-Requisites

- IFSAC or ProBoard Fire Officer II
- IFSAC or ProBoard Fire Instructor II

Fire Officer IV

This course is based on NFPA 1021 "Standard for Fire Officer Professional Qualifications" and may lead to ProBoard certification.

Fire Officer IV will emphasize management of fire protection services to include human resource management, multi-agency emergency service delivery with horizontal/vertical communication requirements and risk management.

There will be group interactive exercises, which will reinforce class lectures.

Physical Requirements

- None

Required Reading

- Chief Officer, 3rd Edition

Course Duration

- Hours 40

Pre-Requisites

- IFSAC or ProBoard Fire Officer III
- IFSAC or ProBoard Fire Instructor II

Hazardous Materials Awareness and Operations

This course is based on NFPA 472, "Standard for Professional Competence of Responders to Hazardous Materials Incidents".

Successful completion of this course and may lead to ProBoard certification.

This course is for emergency response personnel who may be first on the scene of a hazardous materials emergency.

First responders at the awareness level are expected to recognize the presence of hazardous materials, protect themselves, secure the area and call for trained personnel.

At the operational level, the first responder uses the knowledge gained from the awareness level to act in a defensive posture to protect people, the environment, or property from the effects of an unplanned hazardous materials release.

This course meets the requirements of the mandatory Awareness/Operational training in hazardous materials required by Title III - Emergency Planning and Community Right-to-Know Act of 1986 and NFPA 472, Standard on Professional Competence of Responders to Hazardous Materials Incidents.

Physical Requirements

- Must be in good physical condition for this course

Required Reading

- Hazardous Materials for First Responders (Current)

Course Duration

- Hours 40

Pre-Requisites

- 18 Years Old

Hazardous Materials Incident Commander

This course is based on NFPA 472, "Standard for Professional Competence of Responders to Hazardous Materials Incidents". Successful completion of this course and may lead to ProBoard certification.

This course supplies the Incident Commander with the knowledge and skills to perform his/her role as the person responsible for all decisions relating to the management of the incident at releases or potential releases of hazardous materials. The candidate will learn about personal protective clothing, decontamination, branch functions with the Incident Management System, and the overall tactics to properly mitigate a hazardous materials incident.

Physical Requirements

- Must be in good physical condition for this course

Required Reading

- Hazardous Materials for First Responders (Current)
- NIOSH Pocket Guide

Course Duration

- Hours 40

Pre-Requisites

- 18 Years Old
- Proof of Hazardous Materials Awareness and Operational Levels as specified by the current edition of NFPA 472 or IFSAC or ProBoard Certified Fire Fighter I/II

Hazardous Materials Technician

This course is based on NFPA 472, "Standard for Professional Competence of Responders to Hazardous Materials Incidents" and may lead to ProBoard certification.

Designed for the student already trained at the Hazardous Materials Awareness and Operations level; this course develops the skills already learned and provides in-depth training in the mitigation of hazardous materials incidents.

Through both classroom and practical training, the student becomes familiar with health and safety issues, incident management, hazard and risk analysis, personal protective clothing, and decontamination.

Physical Requirements

- Must be in good physical condition for this course

Required Reading

- Hazardous Materials for First Responders (Current)
- NIOSH Pocket Guide

Course Duration

- Hours 50

Pre-Requisites

- 18 Years Old
- Proof of Hazardous Materials Awareness and Operational Levels as specified by the current edition of NFPA 472 or IFSAC or ProBoard Certified Fire Fighter I/II

Hazardous Materials Technicians Refresher

This 8-hour course is designed to give a current technician the opportunity to practice realistic and actual hands on skills, and the manner of treatment of hazardous materials and their containers.

This course fulfils the requirements of OSHA 29 CFR 1910.120(q)(8) for hazardous material emergency responders.

In accordance with federal regulations, emergency responders must update their certification annually.

This course covers hazmat topics which can include:

- Regulations
- Site entry and control
- Decontamination
- Respiratory protection
- Protective clothing
- Medical surveillance
- Hazard recognition and evaluation

Physical Requirements

- None

Required Reading

- Hazardous Materials for First Responders (Current)
- NIOSH Pocket Guide

Course Duration

- Hours 8

Pre-Requisites

- 18 Years Old
- Proof of Hazardous Materials Technician as specified by the current edition of NFPA 472

Incipient Industrial Fire Brigade Member

This course is based on NFPA 1081, "Standard for Industrial Fire Brigade Member Professional Qualifications" and may lead to ProBoard certification.

It is designed for the person who seeks the knowledge and skills to function as a member of an organized industrial fire brigade providing services at a specific facility or site.

This level is specifically designed for individuals that will be fighting fire inside or outside of an enclosed structure or building when the fire has not progressed beyond incipient stage.

(This course does not meet the NFPA 1001, Standard for Fire Fighter Professional Qualifications)

Physical Requirements

- None

Required Reading

- Industrial Fire Brigade Principles and Practices

Course Duration

- Hours 40

Pre-Requisites

- 18 Years Old

Advanced Exterior Industrial Fire Brigade Member

This course is based on NFPA 1081, "Standard for Industrial Fire Brigade Member Professional Qualifications" and may lead to ProBoard certification.

It is designed for the person who seeks the knowledge and skills to function as a member of an organized industrial fire brigade providing services at a specific facility or site.

This level is specifically designed for individuals that will be fighting fire offensively outside of an enclosed structure when the fire is beyond the incipient stage.

(This course does not meet the NFPA 1001, Standard for Fire Fighter Professional Qualifications)

Physical Requirements

- Must be in good physical condition for this course

Required Reading

- Industrial Fire Brigade Principles and Practices

Course Duration

- Hours 40

Pre-Requisites

- 18 Years Old
- Incipient Industrial Fire Brigade Member

Industrial Fire Brigade Leader

This course is based on NFPA 1081, "Standard for Industrial Fire Brigade Member Professional Qualifications" and may lead to ProBoard certification.

It is designed for the person who seeks the knowledge and skills to function as a member of an organized industrial fire brigade providing services at a specific facility or site.

This level is specifically designed for individuals that will be fighting fire offensively outside of an enclosed structure when the fire is beyond the incipient stage.

(This course does not meet the NFPA 1001, Standard for Fire Fighter Professional Qualifications)

Physical Requirements

- Must be in good physical condition for this course

Required Reading

- Industrial Fire Brigade Principles and Practices

Course Duration

- Hours 40

Pre-Requisites

- 18 Years Old
- Incipient Industrial Fire Brigade Member

Interior Structural Industrial Fire Brigade Member

This course is based on NFPA 1081, "Standard for Industrial Fire Brigade Member Professional Qualifications" and may lead to ProBoard certification.

It is designed for the person who seeks the knowledge and skills to function as a member of an organized industrial fire brigade providing services at a specific facility or site.

This level is specifically designed for individuals that will be performing the physical activity of fire suppression, rescue, or both, inside of buildings or enclosed structures that are involved in a fire beyond the incipient stage.

(This course does not meet the NFPA 1001, Standard for Fire Fighter Professional Qualifications)

Physical Requirements

- Must be in good physical condition for this course

Required Reading

- Industrial Fire Brigade Principles and Practices

Course Duration

- Hours 40

Pre-Requisites

- 18 Years Old
- Incipient Industrial Fire Brigade Member

Marine Fire Fighter I

This course is based on NFPA 1005, "Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighter" and may lead to ProBoard Certification.

The course is designed for individuals who respond to an incident and operate on a vessel while performing defensive and offensive functions inside the cold, warm, and hot zone on board a vessel.

Emergency responders will learn how to identify and mitigate the many hazards associated with maritime domain.

In addition, students will learn how to conduct emergency response planning at marine facilities, identify key vessel personnel, conduct a vessel inspection and discuss the many strategies and tactics fire fighters will use to control fires at marine facilities and on board vessels.

Physical Requirements

- Must be in good physical condition for this course

Required Reading

- Marine Fire Fighting for Land Based Fire Fighters (Current)

Course Duration

- Hours 40

Pre-Requisites

- 18 Years Old
- IFSAC or ProBoard Certified Firefighter II

Public Fire & Life Safety Educator I

This course is based on NFPA 1035, "Standard for Professional Qualifications for Public Fire and Life Safety Educator" and may lead to ProBoard Certification.

The course is designed for the individual who will coordinate and deliver comprehensive community fire and injury prevention programs designed to eliminate or mitigate situations that endanger lives, health, property, or the environment.

Physical Requirements

- Must be in good physical condition for this course

Required Reading

- Fire and Life Safety Educator

Course Duration

- Hours 24

Pre-Requisites

- 18 Years Old
- High School Diploma

Public Information Officer

This course is based on NFPA 1035, "Standard for Professional Qualifications for Public Information Officer" and may lead to ProBoard certification.

This course is designed for the individual who wants to obtain the knowledge and skills to conduct media interviews, prepare news releases and media advisories.

Physical Requirements

- Must be in good physical condition for this course

Required Reading

- Media Relations for Public Safety Professionals (Current)

Course Duration

- Hours 24

Pre-Requisites

- 18 Years Old
- High School Diploma

Public Safety Telecommunicator I/II

This course meets the Level I and II requirements of NFPA 1061 "Professional Qualifications for Public Safety Telecommunicator".

It is designed for the individual whose primary responsibility is to receive, process, or disseminate information of a public safety nature via telecommunication devices.

Physical Requirements

- None

Required Reading

- Telecommunicator

Course Duration

- Hours 24

Pre-Requisites

- 18 Years Old
- High School Diploma
- Certified CPR

Rapid Intervention Crews

This course is based on NFPA 1407 "Standard for Training Fire Service Rapid Intervention Crews".

The course familiarizes students with the rapid intervention crew concept and gives them the tools to develop or enhance rapid intervention crew programs.

Rapid intervention should be considered by any emergency response organization whose personnel enter environments that can place their lives and health in immediate danger.

All emergency responders and personnel who may act as incident commanders at emergency incidents should be familiar with rapid intervention concepts so they can effectively use this risk management tool.

Physical Requirements

- None

Required Reading

- Fire Service Technical Search and Rescue, 8th Edition

Course Duration

- Hours 32

Pre-Requisites

- IFSAC or ProBoard Certified Firefighter I

RT: Confined Space I/II

This course is based on NFPA 1006 "Standard for Rescue Technician Professional Qualifications", and may lead to ProBoard certification.

Designed for both fire department personnel and private industry, this course provides responders with a comprehensive understanding of accidents involving a confined space.

This course teaches the responder how to recognize the hazard, access the victim, to stabilize the victim and the proper procedures for retrieval.

Practical and classroom sessions focus on the three primary hazards associated with confined space rescue: physical, atmospheric, and physiological.

Realistic training evolutions using the latest in equipment and techniques ensure student retention of this material.

Physical Requirements

- This is a very physically demanding course that requires student to be in good physical condition.

Required Reading

- Fire Service Technical Search and Rescue, 8th Edition

Course Duration

- Hours 40

Pre-Requisites

- IFSAC or ProBoard Certified RT: Rope I
- Proof of Hazardous Materials Awareness & Operations level training
- Proof of First Responder that meets or exceeds the DOT Medical First Responder

RT: Rope I

This course is based on NFPA 1006 "Standard for Rescue Technician Professional Qualifications", and may lead to ProBoard certification.

This is a 5-day course that begins with Introduction to Technical Rescue and goes into rope rescue techniques that will include a classroom review of equipment, knots, and rope safety.

Instruction events include:

- Establishing need for rope rescue
- Uses and limitations of equipment
- Knot craft
- Safety aspects
- Anchoring systems
- Rescue rappelling
- Third man rescue
- Lowering systems and other aspects of rope rescue.

Physical Requirements

- This is a very physically demanding course that requires student to be in good physical condition.

Required Reading

- Fire Service Technical Search and Rescue, 8th Edition

Course Duration

- Hours 40

Pre-Requisites

- High School Diploma/GED
- Hazardous Materials Awareness & Operations Training
- Proof of First Responder that meets or exceeds the DOT Medical First Responder

RT: Rope II

This is a 3-day course that is based on NFPA 1006 "Standard for Rescue Technician Professional Qualifications" and may lead to ProBoard certification.

The course is designed for those persons who respond to incidents involving the application of special knowledge, skills, and equipment to safely resolve unique or complex rescue situations.

The course covers operations in a high angle environment including rescue of a suspended victim, serving as a litter tender, and construction/operation of a high line system.

Physical Requirements

- This is a very physically demanding course that requires student to be in good physical condition.

Required Reading

- Fire Service Technical Search and Rescue, 8th Edition

Course Duration

- Hours 24

Pre-Requisites

- IFSAC or ProBoard Certified RT: Rope I
- Hazardous Materials Awareness & Operations Training
- Proof of First Responder that meets or exceeds the DOT Medical First Responder

RT: Trench I/II

This is a 3-day course that is based on NFPA 1006 "Standard for Rescue Technician Professional Qualifications" and may lead to ProBoard certification.

A course designed to offer a combination of classroom and practical evolutions that allow the student to learn proper techniques to make open trenches and excavations safe for victim access and removal.

The class is made realistic by actual sheeting and shoring operations of "unsafe" trenches, by using shoring equipment, and practice in developing skills in lifting practices within the trench environment.

Physical Requirements

- This is a very physically demanding course that requires student to be in good physical condition.

Required Reading

- Fire Service Technical Search and Rescue, 8th Edition

Course Duration

- Hours 40

Pre-Requisites

- IFSAC or ProBoard Certified RT: Rope I
- Hazardous Materials Awareness & Operations Training
- Proof of First Responder that meets or exceeds the DOT Medical First Responder

RT: Vehicle Extrication I & Machinery Extrication I

This is a 3-day course that is based on NFPA 1006 "Standard for Rescue Technician Professional Qualifications" and may lead to ProBoard certification.

Vehicle and Machinery Extrication I is designed to offer a combination of classroom and practical evolutions that allow the student to learn proper techniques to plan for a vehicle/machinery incident, establish fire protection, stabilize a vehicle or machine, isolate potential harmful energy sources, determine vehicle access and egress points, create access and egress openings for rescue, disentangle victims, remove a packaged victim to a designated safe area, and terminate a vehicle/machinery incident.

Physical Requirements

- This is a very physically demanding course that requires student to be in good physical condition

Required Reading

- Principles of Vehicle Extrication, 3rd Edition

Course Duration

- Hours 40

Pre-Requisites

- IFSAC or Pro Board Certified RT: Rope I
- Medical First Responder
- Hazardous Materials Awareness and Operations
- High School Diploma
- 18 years' old

Fire Department Safety Officer: Incident Safety Officer

This course is based on NFPA 1521, "Standard for Fire Department Safety Officer", and may lead to ProBoard certification.

The course is intended for the member within a fire department or emergency service organization who performs the functions of an incident safety officer or who serves as an assistant to the incident safety officer.

Physical Requirements

- None

Required Reading

- Occupational Safety, Health, and Wellness, 3rd Edition (Current)

Course Duration

- Hours 40

Pre-Requisites

- IFSAC or Pro Board Certified Fire Officer I
- High School Diploma
- 18 years' old

Fire Department Safety Officer: Health and Safety Officer

This course is based on NFPA 1521, "Standard for Fire Department Safety Officer", and may lead to ProBoard certification.

The course is intended for the member within a fire department or emergency service organization who performs the functions of a health and safety officer or who serves as an assistant to the health and safety officer.

Physical Requirements

- None

Required Reading

- Occupational Safety, Health, and Wellness, 3rd Edition (Current)

Course Duration

- Hours 40

Pre-Requisites

- IFSAC or Pro Board Certified Fire Officer I
- High School Diploma
- 18 years' old

Bulk Fuel Storage Tanks

Course Overview

This 2-day seminar is designed to provide delegates such as Emergency Responders, Officers, HSE Personnel, Planners, and Operators of refineries or fuel handling facilities serving Sea Ports, Air Ports or Fuel Depots with the critical information they need before a tank incident takes place. The program has been developed from the worldwide experience of GRG and will ensure that delegates are updated in the latest techniques in this important field.

Objectives

Major topics covered in this presentation are:

- Lessons learned from past incidents
- Legislation
- Mitigation planning based on credible scenarios
- Types of tanks
- Tank Construction
- Tank Protection and detection systems
- Containment
- Hazard Zone Identification and control of ignition sources
- Control of work (permit systems)
- Calculating resource needs based on existing standards and recommendations
- Practical issues regarding fire response options
- Preplanning for incidents
- Maintaining response capability
- Process, responsibility, and authority

Course Duration

- 16 Hours

Target Audience

This workshop is directly relevant to personnel responsible for any aspect of Fire Hazard Management at facilities where flammable liquids are stored in large quantities such as;

- Fire Responders
- Safety Professionals
- System Design Engineers
- Fire Protection Engineers
- Loss Prevention Engineers
- Facility Operators and managers
- Health, Safety and Environmental Protection Agencies
- Those studying towards NFPA Certified Fire Protection Specialist

Oil Spill Aerial Observer

Course Overview

This 1-day course aims to provide personnel likely to undertake the role of Incident Aerial Observer for an Oil Spill or similar incident.

Actions that are essential to achieve the course outcomes:

- Understand how to safely work around rotary and fixed wing aircraft
- Be able to undertake flight planning activities with the aircraft pilot
- Have an appreciation of the technology available to assist in carrying out Aerial Surveillance
- Understand the communication protocols when airborne and the importance of a Sterile Cockpit at certain times of a flight
- Be able to describe a good aerial surveillance tool kit
- Demonstrate the ability to measure and quantify spilled oil from the air
- Understand how to take the 'best' photographs and video of Oil Spills from the air

Learning Units

- The Observers Role
- Aircraft Selection
- The Observers Toolkit
- Flight Planning and Pre Mission Briefings
- In flight safety
- Practical Spill Assessment and resource guidance

Course Duration

- 8 Hours

Target Audience

- Non full time aircrew who are likely to have to fulfil the role of Aerial Observer as part of an overall Oil Spill Response Operation.

Oil Spill Management Workshop IMO Level 3

Course Overview

This 3-day course is accredited by the Nautical Institute as meeting the requirements of the IMO Level 3 and UK Government MCA Level 5 Oil Spill Management Course. The course aims to provide participants with a better understanding of the roles and responsibilities of senior personnel in the management of oil spills that are of international / national significance.

Actions that are essential to achieve the course outcomes:

- Understand the Fate of Oil when spilled into the marine environment
- List examples of various environments impacted by marine oil spills
- Describe the various response strategies available and the advantages and limitations of each
- Describe the importance of having a strong and effective management system
- Understand the peripheral issues / challenges that are essential to manage in a spill response
- Identify hazards present to responders and the associated mitigating measures to put in place

Learning Units

- Marine Oil Spills Background Knowledge
- Oil Spill Fate and Effects
- Contingency Planning
- Assessment and Surveillance
- Dispersants
- Containment
- Recovery
- Emerging Techniques
- Shoreline Clean Up
- Oil Spill Health and Safety
- Waste Management
- Incident Command and Control
- Liability and Compensation
- Post Incident Actions
- Media / Social Media

Course Duration

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- 24 Hours

Target Audience

- Personnel having a management / strategic response role defined in National Contingency Plans or Corporate ICS systems for large Tier 2 and 3 Oil Spill Response Incidents. Corporate executives and senior administrators will also find the course beneficial to them to allow them to understand the issues faced by the Incident Management Team and the associated consequences / challenges of an incident.

Oil Spill Management Workshop IMO Level 2

Course Overview

This 4-day course is accredited by the Nautical Institute as meeting the requirements of the IMO Level 2 and UK Government MCA Level 4 Oil Spill Management Course. The course aims to provide participants with a better understanding of the roles and responsibilities of personnel involved in the management of oil spills that are of company / national significance.

Actions that are essential to achieve the course outcomes:

- Understand the Fate of Oil when spilled into the marine environment
- List examples of various environments impacted by marine oil spills
- Describe the various response strategies available and the advantages and limitations of each
- Describe the importance of having a strong and effective management system
- Understand the peripheral issues / challenges that are essential to manage in a spill response
- Identify hazards present to responders and the associated mitigating measures to put in place

Learning Units

- Marine Oil Spills Background Knowledge
- Oil Spill Fate and Effects
- Contingency Planning
- Assessment and Surveillance
- Dispersants
- Containment
- Recovery
- Emerging Techniques
- Shoreline Clean Up
- Oil Spill Health and Safety
- Waste Management
- Incident Command and Control
- Liability and Compensation
- Post Incident Actions
- Media / Social Media

Course Duration

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- 32 Hours

Target Audience

- Personnel having a tactical management / tactical response role defined in National Contingency Plans or Corporate ICS systems for large Tier 2 and 3 Oil Spill Response Incidents.

Other Training

Fire Warden Training

Course Overview

The Fire Warden course will provide delegates with the knowledge, training and practical skills to effectively perform the role and responsibilities of a fire warden. Selected members of staff required to be trained as fire wardens will develop the knowledge and skills to effectively manage building emergencies. Participants will learn to recognise and manage the human behaviour characteristics which may surface during the high-stress times during an emergency.

Course Length

- 1-day

Prerequisites

- None

Target Audience

- Nominated employees and contractors.

Standard Applied or Certification Required

- Industry best practice

Revalidation

- Every 2 years

Health

- No health requirements for delegates

Advanced Medical Response (Advance First Aider)

Course Overview

Develop basic life-support knowledge and skills to improve the quality of care rendered to victims of accidents or illness, including:

- Conduct primary assessment and recognize signs and symptoms.
- Develop competence in administering practical first-aid
- Automated External Defibrillation Awareness (AED)
- Barriers and Personal Protection
- Casualty Handling
- Triage and Casualty Management
- Incident Scene Management
- Selection, Maintenance and Management of First Aid equipment

Course Length

- 3-days

Prerequisites

- None

Target Audience

- Selected nominees from Emergency Response Team members.

Standard Applied or Certification Required

- Occupational Safety & Health Administration (OSHA) 1910.51 - Medical services and first aid
- American Heart Association (AHA) First Aid, CPR and AED

Revalidation

- Every 3 years

Health

- All delegates will be asked to complete a medical questionnaire prior to course commencement. Delegates must comply with the fitness for work policy including sections dealing with tactical responders.

Hazard Identification and Risk Assessment

Employers have a legal duty to assess health and safety risks in the workplace. People in the organisation responsible for conducting Risk Assessments need the necessary skills and knowledge required of the task. This one-day course provides participants with an understanding of key practical risk assessment techniques, the ability to identify hazards, evaluate risks, implement controls and the importance of the review process which will enable them to carry out a suitable and sufficient workplace Risk Assessment.

Course Length

- 1-Day

Prerequisites

- None

Target Audience

- Employees who are given the responsibility to carry out and communicate risk assessments

Revalidation

- None

Health

- No health requirements for delegates

Incident Investigation

Investigations establish the root causes of incidents preventing recurrence and future losses for the organisation. It is essential that persons responsible for investigation are properly trained. The one-day course will provide participants the proper foundation for conducting incident investigation focusing on techniques for gathering complete, accurate and objective information to arrive at root causes and determine corrective actions.

Course Length

- 1-Day

Prerequisites

- None

Target Audience

- Employees who will be called upon to participate in conducting incident investigations

Revalidation

- As required

Health

- No health requirements for delegates