

## COURSE OVERVIEW HE1704 NFPA 1001: Fire Fighting Level 1 & 2

### Course Title

NFPA 1001: Fire Fighting Level I & 2

### Course Date/Venue

September 01-05, 2024/Boardroom, Warwick Hotel  
Doha, Doha, Qatar

### Course Reference

HE1704

### Course Duration/Credits

Five days/3.0 CEUs/30 PDHs



### Course Description



***This practical and highly-interactive course includes practical sessions and demonstration where participants carry out firefighting. Theory learnt in the class will be applied using a fire extinguisher and various firefighting equipment through hands-on practical sessions.***



This course is designed to provide participants with a detailed and up-to-date overview of NFPA 1001: Fire Fighting Level I and 2. It covers the basic concepts of firefighting, the importance of NFPA 1001 and firefighter personal protective equipment (PPE); the basics of fire behavior, fire tetrahedron, phases of fire and heat transfer methods; the firefighter safety measures, protocols, basic first aid and CPR for firefighters; the effects of stress and heat exhaustion and the fire department communications system; the radio operation and protocols, standard emergency signaling codes and basic fire suppression; the types and use of fire extinguisher; and the basics of water supply in firefighting, hose types, handling, and deployment.



During this interactive course, participants will learn the forcible entry tools and techniques; the basics of building construction in forcible entry and ventilation techniques; the ladders, ropes, knots, hoisting tools and equipment; the basic firefighting techniques, search and rescue operations, firefighter survival and self-rescue skills; the firefighter I and II levels including their responsibilities and skills; the fire detection systems, fire alarm systems and fire suppression systems; the fire prevention and inspection, building construction and fire code and firefighting strategies and tactics; and the vehicle rescue and machinery extrication, special rescue situations and emergency medical care considerations.

## Course Objectives

Upon the successful completion of this course, participants will be able to:-

- Get certified as a “Certified NFPA 1001: Fire Fighter Level I & II”
- Discuss the basic concepts of firefighting, the importance of NFPA 1001 and firefighter personal protective equipment (PPE)
- Recognize the basics of fire behavior, fire tetrahedron, phases of fire and heat transfer methods
- Carryout firefighter safety measures, protocols, basic first aid and CPR for firefighters
- Identify the effects of stress and heat exhaustion and the fire department communications system
- Apply radio operation and protocols, standard emergency signaling codes and basic fire suppression
- Identify the types and use of fire extinguisher including the basics of water supply in firefighting, hose types, handling, and deployment
- Use forcible entry tools and techniques, the basics of building construction in forcible entry and ventilation techniques
- Identify ladders, ropes, knots, hoisting tools and equipment
- Apply basic firefighting techniques, search and rescue operations, firefighter survival and self-rescue skills
- Differentiate firefighter I and II levels including their responsibilities and skills
- Recognize fire detection systems, fire alarm systems and fire suppression systems
- Employ fire prevention and inspection, building construction and fire code and firefighting strategies and tactics
- Apply vehicle rescue and machinery extrication, special rescue situations and emergency medical care considerations

## Exclusive Smart Training Kit - H-STK®



Participants of this course will receive the exclusive “Haward Smart Training Kit” (H-STK®). The H-STK® consists of a comprehensive set of technical content which includes **electronic version** of the course materials, sample video clips of the instructor’s actual lectures & practical sessions during the course conveniently saved in a **Tablet PC**.

## Who Should Attend

This course provides an overview of all significant aspects and considerations of NFPA 1001: fire fighting level I and 2 for all firefighters, fire service personnels, emergency responders, volunteer firefighters and industrial firefighters.

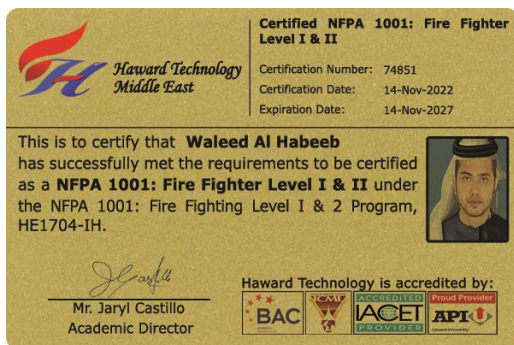
**Course Certificate(s)**

- (1) Internationally recognized Competency Certificates and Plastic Wallet Cards will be issued to participants who completed a minimum of 80% of the total tuition hours and successfully passed the exam at the end of the course. Successful candidate will be certified as a “*Certified NFPA 1001: Fire Fighter Level I & II*”. Certificates are valid for 5 years.

**Recertification is FOC for a Lifetime.**

**Sample of Certificates**

The following are samples of the certificates that will be awarded to course participants:-







- (2) Official Transcript of Records will be provided to the successful delegates with the equivalent number of ANSI/IACET accredited Continuing Education Units (CEUs) earned during the course.

\* Haward Technology \* CEUs \* Haward Technology \* CEUs \* Haward Technology \* CEUs \* Haward Technology \*



**Haward Technology Middle East**  
Continuing Professional Development (HTME-CPD)

CEUs

### CEU Official Transcript of Records

**TOR Issuance Date:** 14-Nov-22  
**HTME No.** 74851  
**Participant Name:** Waleed Al Habeeb

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Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
HE1704-IH	NFPA 1001: Fire Fighting Level I & 2	November 10-14, 2022	32.5	3.25

**Total No. of CEU's Earned as of TOR Issuance Date** **3.25**

**TRUE COPY**  
  
**Jaryl Castillo**  
 Academic Director

Haward Technology has been approved as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this approval, Haward Technology has demonstrated that it complies with the ANSI/IACET 1-2013 Standard which is widely recognized as the standard of good practice internationally. As a result of their Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for programs that qualify under the ANSI/IACET 1-2013 Standard.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking Continuing Education Units (CEUs) in accordance with the rules & regulations of the International Association for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology is accredited by











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\* Haward Technology \* CEUs \* Haward Technology \* CEUs \* Haward Technology \* CEUs \* Haward Technology \*



### **Certificate Accreditations**

Certificates are accredited by the following international accreditation organizations:-


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The International Accreditors for Continuing Education and Training (IACET - USA)

Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units (CEUs)** in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

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British Accreditation Council (BAC)

Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

### **Course Fee**

**US\$ 6,000** per Delegate. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

### **Accommodation**

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

### Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:



**Mr. Ashraf Mohamed** is a **Senior HSE Consultant & Radiation Protection Expert** with **35 years** of practical and industrial experience within the **Oil & Gas, Refinery and Petrochemical** industry. He is a **NEBOSH Approved Instructor** for various certification programs. His expertise lies extensively in the areas of **Radiation Safety & Protection, Radioactive Waste Management, Radiation Protection Instrumentation, Nuclear & Radiological Safety, Radiation Protection Design, Radioactive Sources Protection, Radioisotopes & Protection Application, Ionizing Radiation, NEBOSH Fire Safety & Risk Management International Certificate, NEBOSH International General Certificate, Firefighting Techniques, Fire & Gas Detection System, Fire Fighter & Fire Rescue, Fire Risk Assessment, HSE Policy & Strategy, HSEMS Development & Implementation, Risk Assessment & Management, HSE Performance Measurement & Monitoring Systems, HSE & Fire Inspection, HAZOP & HAZID, HAZMAT & HAZCOM, As Low as Reasonably Practicable (ALARP), Process Hazard Analysis (PHA), Process Safety Management (PSM), Accident/Incident Investigation, Risk Management, Hazard & Effect Management Process, ALARP System, Isotopes Application & Protection, Safety Induction, PTW, Gas Testing, Lock Out/Tag Out, Confined Space, H<sub>2</sub>S, Working at Heights, Lifting Operations, Scaffolding, Rigging & Slings, Incidents Investigations, First Aid & CPR, Crane Inspection, Risk Evaluation, Emergency Response Plan, Defensive Driving, Safety Supervision, Environment Management System, Environmental Impact & Life Cycle Assessment, Pesticide Assessment & Environmental Control, Behavioural Based Safety, Work Management System** and various international codes and standards such as the ISO 9001, OHSAS 18001 and ISO 14001. He is currently the **Acting Senior HSE Engineer** wherein he develops and manages the implementation of fire, safety and environment programs for all the employees and contractors.

During his career life, Mr. Ashraf has gained his practical and field experience through his various significant positions as the **Safety & Fire Manager, HSE Manager, Safety & Fire Instructor, Senior HSE & Fire Instructor, Safety Training Instructor, Safety Construction Manager** and **Safety Section Head** from various companies such as the ADNOC, Eprome, Foster Wheeler-MIDOR Refinery, Amyria Petroleum Refining Company and Egyptian Refinery Company.

Mr. Ashraf has a **Bachelor's** degree in **Geology**. Further, he is a **Certified Instructor/Trainer** and a member of Society of Petroleum Engineers and Egyptian Society for Safety. He has further held various Radiation Certifications like the **Radiation Protection & Peaceful Uses of Radioactive Sources** and the **Applications of Radioisotopes & Protection from Ionizing Radiations** from the Egyptian Atomic Energy Authority and has delivered numerous courses, trainings, seminars, workshops and conferences globally.



**Training Methodology**

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

- 30% Lectures
- 20% Practical Workshops & Work Presentations
- 30% Hands-on Practical Exercises & Case Studies
- 20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

**Course Program**

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the course for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

**Day 1**

0730 – 0800	Registration & Coffee
0800 – 0815	Welcome & Introduction
0815 – 0830	<b>PRE-TEST</b>
0830 – 0930	<b>Introduction to Firefighting &amp; NFPA 1001</b> Firefighting: Basic Concepts • NFPA 1001 & its Importance • Firefighter Personal Protective Equipment (PPE)
0930 – 0945	Break
0945 – 1100	<b>Fire Behavior &amp; Science</b> Basics of Fire Behavior • Fire Tetrahedron & Phases of Fire • Heat Transfer Methods: Conduction, Convection, Radiation
1100 – 1230	<b>Firefighter Safety &amp; Health</b> Firefighter Safety Measures & Protocols • Basic First Aid & CPR for Firefighters
1230 – 1245	Break
1245 – 1420	<b>Firefighter Safety &amp; Health</b> The Effects of Stress & Heat Exhaustion
1420 – 1430	<b>Recap</b>
1430	Lunch & End of Day One

**Day 2**

0730 – 0930	<b>Fire Department Communications</b> Fire Department Communication Systems • Radio Operation & Protocols • Standard Emergency Signaling Codes
0930 – 0945	Break
0945 – 1100	<b>Basic Fire Suppression</b> Fire Extinguisher Types & Use • Basics of Water Supply in Firefighting • Hose Types, Handling & Deployment
1100 – 1230	<b>Forcible Entry &amp; Ventilation</b> Forcible Entry Tools & Techniques • Basics of Building Construction in Forcible Entry





1230 – 1245	Break
1245 – 1420	<b>Forcible Entry &amp; Ventilation (cont'd)</b> Ventilation Techniques
1420 – 1430	<b>Recap</b>
1430	Lunch & End of Day Two

**Day 3**

0730 – 0930	<b>Ladders, Ropes &amp; Knots</b> Ground Ladders: Types, Carrying, Raising & Climbing • Overview of Ropes & Knots used in Firefighting • Hoisting Tools & Equipment
0930 – 0945	Break
0945 – 1100	<b>Firefighter I Level Skills Training</b> Practical Training: Basic Firefighting Techniques • Search & Rescue Operations: Techniques & Safety Measures
1100 – 1230	<b>Firefighter I Level Skills Training (cont'd)</b> Firefighter Survival & Self-Rescue Skills
1230 – 1245	Break
1245 – 1420	<b>Firefighter I Level Skills Training (cont'd)</b> More Practical & Scenario-Based Exercises • Evaluation of Firefighter Level I Skills
1420 – 1430	<b>Recap</b>
1430	Lunch & End of Day Three

**Day 4**

0730 – 0930	<b>Introduction to Firefighter II Level</b> Differences Between Firefighter I & II Levels • Responsibilities & Skills for Firefighter II Level • Incident Command System (ICS): Basics & Use in Firefighting
0930 – 0945	Break
0945 – 1100	<b>Fire Detection, Alarm &amp; Suppression Systems</b> Fire Detection Systems • Fire Alarm Systems • Basics of Fire Suppression Systems
1100 – 1230	<b>Fire &amp; Life Safety Initiatives</b> Fire Prevention & Inspection Principles • Building Construction & Fire Code
1230 – 1245	Break
1245 – 1420	<b>Fire &amp; Life Safety Initiatives (cont'd)</b> Public Fire & Life Safety Education Initiatives
1420 – 1430	<b>Recap</b>
1430	Lunch & End of Day Four

**Day 5**

0730 – 0930	<b>Advanced Fire Suppression</b> Advanced Firefighting Strategies & Tactics • Structural Firefighting & Vehicle Firefighting • Foam Fire Fighting Systems
0930 – 0945	Break
0945 – 1100	<b>Rescue &amp; Extrication Techniques</b> Vehicle Rescue & Machinery Extrication • Special Rescue Situations • Emergency Medical Care Considerations
1100 – 1230	<b>Firefighter II Level Skills Training</b> Practical Training: Advanced Firefighting Techniques • Practical Training: Ventilation Techniques & Thermal Imaging Use





1230 – 1245	Break
1245 – 1300	<b>Firefighter II Level Skills Training</b> Rescue & Extrication Tools & Techniques
1300 – 1315	<b>Course Conclusion</b>
1315 – 1415	<b>COMPETENCY EXAM</b>
1415 – 1430	Presentation of Course Certificates
1430	Lunch & End of Course

**Simulators (Hands-on Practical Sessions)**

Practical sessions will be organized during the course for delegates to practice the theory learnt. Delegates will be provided with an opportunity to carryout various exercises using fire extinguishers.



**Course Coordinator**

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