COURSE OVERVIEW HE1192
Certified Fire Protection Specialist
(NFPA-CFPS Exam Preparation Training)

Course Title
Certified Fire Protection Specialist *(NFPA-CFPS Exam Preparation Training)*

Course Date/Venue
February 01-05, 2026/TBA Meeting Room, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE

Course Reference
HE1192

Course Duration/Credits
Five days/4.0 CEUs/40 PDHs

Course Description

This practical and highly-interactive course includes real-life case studies and exercises where participants will be engaged in a series of interactive small groups and class workshops.

This course is designed to provide participants with a detailed and up-to-date overview Certified Fire Protection Specialist. It covers the fire combustion, fire tetrahedron, fire behavior and types of fires; the principles of fire protection including fire dynamics and behavior; building construction and fire resistance; the fire hazard identification and risk assessment; the effective fire prevention programs, fire prevention training and proper documentation and record-keeping for compliance; and the fire detection systems, automatic sprinkles systems, fire suppressions systems and standpipe and hose systems.

Further, the course will also discuss the types of portable extinguishers and their applications; the smoke ventilation systems and smoke control systems; the egress system requirement, occupant load, egress capacity calculations and egress markings; the lighting standards and accessibility requirements for emergency egress; the fire safety in building occupancies, emergency evacuation and response plan; the incident command system (ICS) and smoke and fire spread control measures; and the firefighter safety and coordination.

During this interactive course, participants will learn the risk mitigation techniques, fire protection cost-benefit analysis and fire risk management; the classification and identification of hazardous materials; the storage and handling requirements for hazardous materials; the causes and types of explosions, explosion venting and suppression techniques; the explosion-proof equipment and code requirements for explosion hazard; the wildfire risk assessment and mitigation, integrating security and fire protection systems and accessing control and fire door management; the emergency power and lighting systems, principles of fire investigation and legal and regulatory aspects of fire protection; preparing fire incident reports, maintaining accurate fire protection records and documenting for inspections and tests; and the legal requirements for incident documentation.

Course Objectives

Upon successful completion of this course, each participant will be able to:-

- Get prepared for the next CFPS exam and have enough knowledge and skills to pass such exam in order to get the Fire Protection Specialist certification from the National Fire Protection Association (NFPA)
- Discuss fire science covering combustion, fire tetrahedron, fire behavior and types of fires
- Recognize the principles of fire protection including fire dynamics and behavior
- Build construction and fire resistance as well as apply fire hazard identification and risk assessment
- Design effective fire prevention programs and fire prevention training and apply proper documentation and record-keeping for compliance
- Recognize fire detection systems, automatic sprinkler systems, fire suppressions systems and standpipe and hose systems
- Identify the types of portable extinguishers and their applications including smoke ventilation systems and smoke control systems
- Recognize egress system requirement, occupant load and egress capacity calculations, egress markings and lighting standards and accessibility requirements for emergency egress
- Implement fire safety in building occupancies, emergency evacuation and response plan
- Discuss incident command system (ICS) and apply smoke and fire spread control measures including firefighter safety and coordination
- Carryout risk mitigation techniques, fire protection cost-benefit analysis and fire risk management
- Classify and identify hazardous materials including storage and handling requirements for hazardous materials
- Recognize the causes and types of explosions, explosion venting and suppression techniques, explosion-proof equipment and code requirements for explosion hazard
- Apply wildfire risk assessment and mitigation, integrating security and fire protection systems and access control and fire door management
- Discuss emergency power and lighting systems, principles of fire investigation and legal and regulatory aspects of fire protection
- Prepare fire incident reports, maintain accurate fire protection records, document for inspections and tests and discuss legal requirements for incident documentation

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 conveniently saved in a **Tablet PC**.*

Who Should Attend

This course provides an overview of all significant aspects and considerations of fire protection specialist for all group of professionals including risk managers, loss control specialists, fire officers, fire marshals, fire inspectors, safety managers, fire protection consultants, designers, engineers, code enforcers, facility managers and for those who have responsibilities dealing with the application of fire safety, protection, prevention and suppression technologies.

Exam Eligibility & Structure

To be eligible to take the CFPS examination, candidates must demonstrate on the CFPS application that they meet one of the following criteria:-

- Bachelor's or Master's degree in a Fire Protection-related discipline* from an accredited college or university, including degrees in engineering fields that are applied to the practice of fire protection; plus TWO years of verifiable work experience dedicated to curtailing fire loss, both physical and financial
- Associate's degree in a Fire Protection-related discipline* from an accredited college or university, or a Bachelor's or Master's degree in any unrelated field; plus FOUR years of verifiable work experience dedicated to curtailing fire loss, both physical and financial
- High school diploma or equivalent, plus SIX years of verifiable work experience dedicated to curtailing fire loss, both physical and financial

*Examples include degrees in Fire Protection Engineering, Fire Science, Fire Protection Technology, and Fire Service Administration. Examples of engineering fields that are frequently applied to the practice of fire protection include, but are not limited to, Mechanical, Civil, Chemical, and Electrical engineering.

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

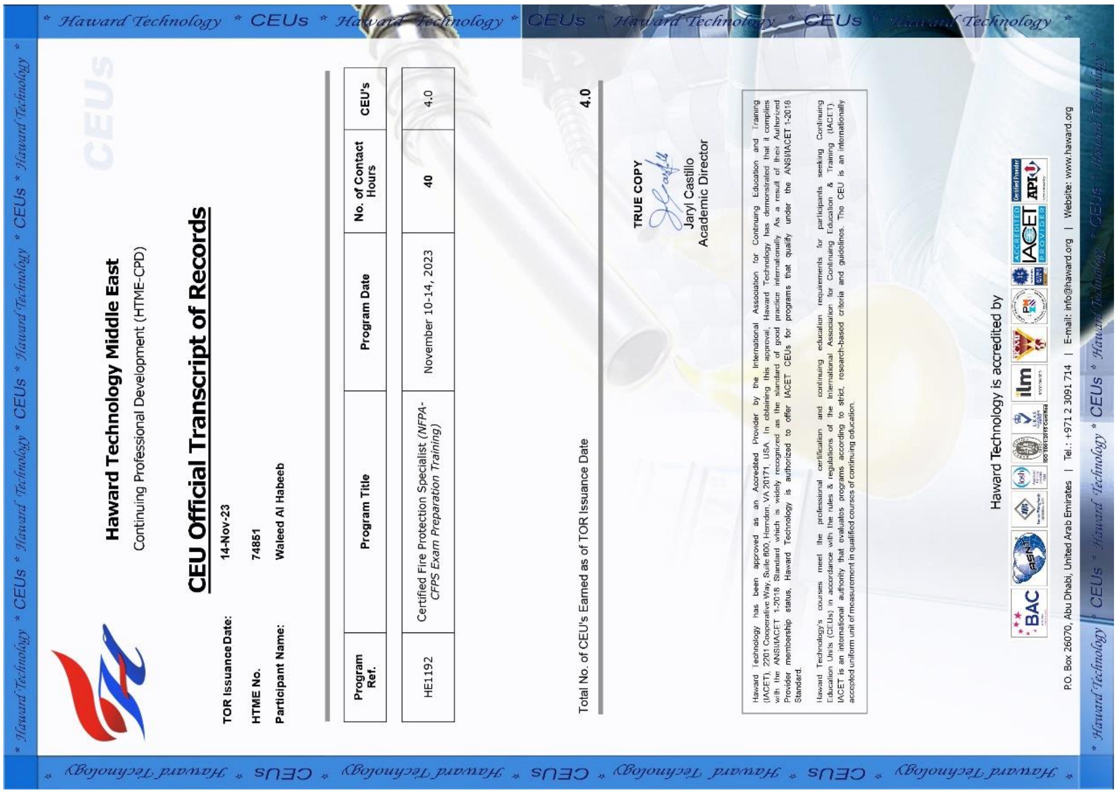
In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

NFPA-CFPS Certificate(s)

(1) NFPA-CFPS certificates will be issued to participants who successfully passed the NFPA-CFPS exam.


CERTIFIED FIRE PROTECTION SPECIALIST
NFPA®
CFPS®
SAMPLE
THIS CERTIFIES THAT
Adeel Wain
has met the standards set forth by NFPA® and is recognized through education, experience and knowledge as a
CFPS - Certified Fire Protection Specialist
ANSI ACCREDITED
12/19/2022
Valid from
12/18/2025
Valid to
1135055-CFPS
Certification Number
National Fire Protection Association NFPA
President, NFPA
Director of Certification, NFPA

(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 Middle East
Continuing Professional Development (HTME-CPD)
CEU Official Transcript of Records
TOR Issuance Date: 14-Nov-23
HTME No. 74851
Participant Name: Waleed Al Habeeb

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
HE1192	Certified Fire Protection Specialist (NFPA-CFPS Exam Preparation Training)	November 10-14, 2023	40	4.0

Total No. of CEU's Earned as of TOR Issuance Date 4.0
TRUE COPY
Jaryl Castillo
Academic Director
Haward Technology is accredited by

Certificate Accreditations

Haward's certificates are accredited by the following international accreditation organizations: -

- British Accreditation Council (BAC)

  Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. Haward's certificates are internationally recognized and accredited by the British Accreditation Council (BAC). 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.

- 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 **4.0 CEUs** (Continuing Education Units) or **40 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.

Training Fee

US$ 5,500 per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Exam Fee

US$ 670 per Delegate + **VAT**.

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. Ron Jansen is a **Senior HSE Consultant** with **over 20 years** of experience within the **Oil & Gas** industry. His broad expertise widely covers in the areas of **Firefighting & Fire Safety**, **Fire Detection & Suppression** Systems, **Fire Risk** Assessments, **General Health and Safety**, **Job Observation**, **Fire Rescue**, **Fire Protection**, **Fire Prevention**, **Rescue** Operations, **Firefighting** Techniques, Controlled-Substance Units (**SATCU**) Operations, Workplace **Substance Abuse** Prevention Strategies, **Substance Abuse** Policy Development for Employers, **Substance Abuse** Testing Unit Management, Controlled **Substance** Identification and Recognition, **HAZMAT**, **HAZCOM**, Process Hazard Analysis (**PHA**), Process Safety Management (**PSM**), **Process Risk** Analysis, **Occupational Health**, Effective Tool Box Talks, **Disaster** Management, **Accident/Incident Investigation**, **HAZOP & HAZID**, Permit to Work (**PTW**) System, **Working at Height**, Behavioral Based Safety (**BBS**), Hazard identification and Risk Assessments (**HIRA**), **HSE Risk** Assessment & Management Concepts, **HSE Management** Policy & Standards, **HSSE Emergency Response & Crisis Management** Operations, **Authorized Gas Testing**, **Quantitative & Qualitative** Analysis, **Fall Protection & Rescue**, **Defensive Driving**, **Hazardous Materials & Chemicals** Handling, **Pollution Control**, **Environmental & Pollution** Management, **HSE Industrial Practices**, **Emergency Response & Crisis** Management Operations, **Waste** Management, Job Safety Analysis (**JSA**), **Confined Space Entry**, **Confined Space Entry**, **First Aid & SCBA** Management, **Manual Handling**, **Permit-to-Work & Risk** Assessment, **Crane & Lifting** Operation, **Forklift** Maintenance, Mobile Elevated Work Platform (**MEWP**), **Mobile & Gantry Crane**, **Banksman/Slinger**, **Scaffolding**, **Rigging** & **Slinging**, **Overhead** & **Gantry Crane Safety**, **Lifting & Rigging**, **Machinery & Hydraulic Lifting** Equipment, **Rigging & Slinging** Operation, **Scaffolding** Inspection, **ISO 9001**, **OSHAS 18001**, **19011**, **Rigging Safety Rules**, **Machinery & Hydraulic Lifting Equipment** and **Excavation & Trenching**.

During his career life, Mr. Jansen has gained his practical and field experience through his various significant positions and dedication as the **SHEQ Manager**, **SHEQ System Auditor**, **Safety Practitioner**, **Safety Officer** and **Senior Instructor/Consultant** from various international companies such as the WI Corporation, ISO Internal Auditors SHEQ Management Systems, Truibuilt Engineering, TCS Hydraulic Engineering, OR Thambo Airport, Eskom Transmission Section and Aquarius Mine Kroondal Rustenburg.

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: ***Sunday, 01st of February 2026***

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0900	***Introduction to Fire Science*** *Basic Concepts of Combustion & Fire • The Fire Tetrahedron & Elements of Combustion • Fire Behavior & Spread •Types of Fires & Classifications*
0900 - 0930	***Principles of Fire Protection*** *Historical Overview of Fire Protection • Key Objectives of Fire Protection Systems • Role of Fire Protection Specialists •Fire Codes & Regulatory Compliance*
0930 – 0945	*Break*
0945 – 1100	***Fire Dynamics & Behavior*** *Heat Transfer Mechanisms (Conduction, Convection, Radiation) • Fuel Load & Fire Growth • Flashover & Fire Stages •Smoke Production & Movement*
1100 - 1200	***Building Construction & Fire Resistance*** *Types of Construction & their Fire Resistance Properties • Fire Barriers, Partitions, & Fireproofing Materials • Structural Stability Under Fire Conditions • Impact of Building Design on Fire Safety*
1200 – 1300	*Lunch*
1300 – 1530	***Fire Hazard Identification & Risk Assessment*** *Identifying Potential Fire Hazards •Quantifying Risk Levels • Principles of Fire Risk Assessment • Hazard Control Measures*
1530 – 1545	*Break*
1545 – 1650	***Fire Prevention Programs*** *Designing Effective Fire Prevention Programs • Employee Fire Prevention Training • Importance of Maintenance & Inspection • Documentation & Record-Keeping for Compliance*
1650 - 1700	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today & Advise Them of the Topics to be Discussed Tomorrow*
1700	*End of Day One*

Day 2: ***Monday, 02nd of February 2026***

0730 – 0830	***Fire Detection Systems*** *Types of Fire Detectors (Smoke, Heat, Flame) • Principles of Fire Detection Technologies • Detector Selection & Placement • Maintenance & Testing Requirements*
0830 - 0930	***Automatic Sprinkler Systems*** *Types of Sprinkler Systems (Wet, Dry, Pre-Action, Deluge) •Components & Operation of Sprinkler Systems • Water Supply Requirements & System Design • Inspection & Maintenance Procedures*
0930 – 0945	*Break*
0945 – 1200	***Fire Suppression Systems*** *Overview of Different Suppression Systems (Co2, Foam, Halon Alternatives) • Design & Installation Standards • Fire Suppression Agent Properties & Suitability •Testing & Maintenance for Reliability*

1200 – 1300	*Lunch*
1300 – 1530	***Standpipe & Hose Systems*** *Types of Standpipe Systems & their Uses • Hose Selection & Hose Cabinet Design • Fire Department Connection Requirements • Inspection & Testing Protocols*
1530 – 1545	*Break*
1545 – 1615	***Portable Fire Extinguishers*** *Types of Portable Extinguishers & Their Applications • Classification & Rating of Extinguishers • Placement & Accessibility Guidelines • Maintenance, Inspection, & Testing Requirements*
1615 - 1650	***Smoke Control & Management Systems*** *Principles of Smoke Control • Smoke Ventilation System Design • Pressurization of Stairwells & Exits • Testing & Maintenance of Smoke Control Systems*
1650 - 1700	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today & Advise Them of the Topics to be Discussed Tomorrow*
1700	*End of Day Two*

Day 3: ***Tuesday, 03rd of February 2026***

0730 – 0830	***Life Safety & Egress Design*** *Egress System Requirements (Corridors, Exits, Stairways) • Occupant Load & Egress Capacity Calculations • Egress Markings & Lighting Standards • Accessibility Requirements for Emergency Egress*
0830 - 0930	***Fire Safety in Building Occupancies*** *Understanding Occupancy Classifications • Fire Protection Strategies by Occupancy Type • Unique Hazards in Various Occupancies (Industrial, Healthcare, Residential) • NFPA Standards for Specific Occupancies*
0930 – 0945	*Break*
0945 – 1200	***Emergency Evacuation & Response Plans*** *Developing & Implementing Evacuation Plans • Fire Drills & Emergency Response Exercises • Roles & Responsibilities During an Emergency • Communication Protocols for Emergencies*
1200 – 1300	*Lunch*
1300 – 1530	***Incident Command System (ICS)*** *Overview of ICS Principles • Structure & Roles within ICS • Coordination with Local Fire Departments • ICS in Large-Scale Fire Incidents*
1530 – 1545	*Break*
1545 – 1615	***Smoke & Fire Spread Control Measures*** *Fire Doors & Dampers • Firestopping & Compartmentation • Passive & Active Fire Barriers • Managing Smoke Migration in Buildings*
1615 - 1650	***Firefighter Safety & Coordination*** *Entry & Attack Strategies • Ventilation & Hose Line Tactics • RIT (Rapid Intervention Teams) • Ensuring Firefighter Safety in Various Scenarios*
1650 - 1700	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today & Advise Them of the Topics to be Discussed Tomorrow*
1700	*End of Day Three*

Day 4:	Wednesday, 04th of February 2026
0730 – 0830	***Fire Risk Management Strategies*** *Risk Mitigation Techniques • Cost-Benefit Analysis in Fire Protection • Prioritizing Fire Protection Investments • Managing Fire Risk in Complex Environments*
0830 - 0930	***Hazardous Materials & Fire Protection*** *Classification & Identification of Hazardous Materials • Storage & Handling Requirements for Hazardous Materials • Fire Suppression Considerations for Hazardous Areas • Special NFPA Codes for Hazardous Materials*
0930 – 0945	*Break*
0945 – 1200	***Explosion Protection & Prevention*** *Causes & Types of Explosions (Gas, Dust, Vapor) • Explosion Venting & Suppression Techniques • Explosion-Proof Equipment & Enclosures • Code Requirements for Explosion Hazards*
1200 – 1300	*Lunch*
1300 – 1530	***Wildfire Risk Assessment & Mitigation*** *Understanding Wildfire Behavior & Risks • Wildland-Urban Interface Considerations • Fire-Resistant Landscaping & Building Design • Evacuation Planning in Wildfire-Prone Areas*
1530 – 1545	*Break*
1545 – 1615	***Security & Fire Protection*** *Integrating Security & Fire Protection Systems •Access Control & Fire Door Management • Surveillance Systems in Fire Prevention • NFPA Codes for Security & Fire Coordination*
1615 - 1650	***Emergency Power & Lighting Systems*** *Emergency Lighting Requirements • Backup Power System Design & Installation • Maintenance & Testing of Emergency Systems • Role of Emergency Power in Fire Safety*
1650 - 1700	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today & Advise Them of the Topics to be Discussed Tomorrow*
1700	*End of Day Four*

Day 5:	Thursday, 05th of February 2026
0730 – 0830	***Principles of Fire Investigation*** *Fire Cause & Origin Determination • Evidence Preservation & Chain of Custody • Investigative Techniques & Tools • Reporting & Documentation Standards*
0830 - 0930	***Legal & Regulatory Aspects of Fire Protection*** *NFPA Standards & Legal Implications • OSHA Fire Protection Regulations • Insurance & Liability in Fire Protection • Ethical Considerations in Fire Protection*
0930 – 0945	*Break*
0945 – 1100	***Incident Reporting & Documentation*** *Preparing Fire Incident Reports • Maintaining Accurate Fire Protection Records • Documentation for Inspections & Tests • Legal Requirements for Incident Documentation*
1100 – 1200	***Certification Exam Preparation*** *Review of Key NFPA Codes & Standards • Practice Questions & Exam Strategies • Time Management During the Exam • Resources for Ongoing Professional Development*
1200 – 1300	*Lunch*

1300 - 1430	***Professional Roles & Responsibilities of CFPS*** *Code of Ethics for CFPS Professionals • Maintaining Certification & Continuing Education • Working with Fire Protection Teams & Stakeholders • Advancing Career Opportunities in Fire Protection*
1430 - 1445	*Break*
1445 - 1615	***Final Exam & Mock Scenarios*** *Case Study Reviews & Discussions • Group Exercises on Fire Risk Assessment • Analysis of Past Fire Incidents & Lessons Learned • Final Assessment & Feedback Session*
1615 – 1630	***Course Conclusion*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Course Topics that were Covered During the Course*
1630 – 1645	***POST-TEST***
1645 – 1700	*Presentation of Course Certificates*
1700	*End of Course*

MOCK Exam

Upon the completion of the course, participants have to sit for a MOCK Examination similar to the exam of the Certification Body through Haward's Portal. Each participant will be given a username and password to log in Haward's Portal for the MOCK Exam during the 60 days following the course completion. Each participant has only one trial for the MOCK exam within this 60-day examination window. Hence, you have to prepare yourself very well before starting your MOCK exam as this exam is a simulation to the one of the Certification Body.

Practical Sessions

This practical and highly-interactive course includes real-life case studies and exercises:-

Course Coordinator

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