

**COURSE OVERVIEW HE0287-4D**

**Security Threats & Physical Security Technology, Tools & Equipment (PSTTE) Including X-Ray Operation & Safety**

**Course Title**

Security Threats & Physical Security Technology, Tools & Equipment (PSTTE) Including X-Ray Operation & Safety

**Course Reference**

HE0287-4D

**Course Duration/Credits**

Four days/2.4 CEUs/24 PDHs

**Course Date/Venue**

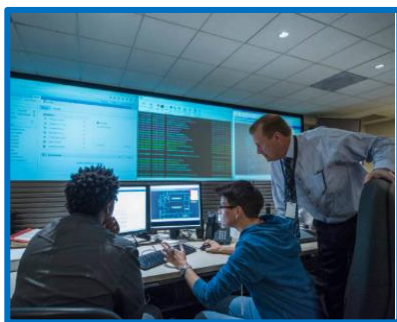


| Session(s) | Date                  | Venue  |
|------------|-----------------------|--|
| 1          | February 05-08, 2024  | Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE |
| 2          | September 02-05, 2024 | Ajman Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE      |

**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 of security threats and physical security technology, tools and equipment (PSTTE) including x-ray operation and safety. It covers the asset, security threat types, causes, sources and affecting factors; the threat analysis methods, consequences analysis criteria, methodologies, documentation and graphical and tabular representations of data; and the recommendations including summary of assessment outcomes and contingency planning.



Further, this course will also discuss the applicable standards, techniques and processes, legislations, regulations and confidentiality policies; the use of security equipment allotted; the metal detectors, control stations, CCTV systems, intrusion detection systems, x-ray equipment and biological effects of ionizing radiation; the principles of radiation protection and the international framework; the protection against occupational radiation exposure; and the methods of protection and the safe use of radiation sources, individual and workplace monitoring.

During this interactive course, participants will learn to assess the medical exposures in diagnostic radiology; utilize and apply physical security equipment in accordance to manufacturer's specifications to achieve the desired results; safeguard PSTTE from misuse, malpractice and fraudulent dissemination; assign duties and follow up implementation for distribution; check security tools, equipment and accessories; barricade and watch site as needed and similar duties; inspect security vehicles, equipment and communication sets; audit security equipment on a routine basis; furnish reports on damaged equipment for procurement; coordinate routine equipment maintenance with subcontractor; report faulty equipment to contracting organization for repairs and monitor all work orders; maintain record of equipment per site location; distribute, assign radio and other equipment to junior staff; respond to system warnings in a timely manner to resolve security breaches; manage PSTTE inventory; and act within the law, organization policy and procedures including personnel practices and guidelines.

### **Course Objectives**

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

- Apply and gain an in-depth knowledge on security threats and physical security technology, tools and equipment (PSTTE) including x-ray operation and safety
- Identify asset, security threat types, causes, sources and affecting factors
- Illustrate threat analysis methods, consequences analysis criteria and methodologies, documentation, graphical and tabular representations of data
- Prepare recommendations including summary of assessment outcomes and contingency planning
- Recognize the applicable standards, techniques and processes, legislations, regulations and confidentiality policies
- Use security equipment allotted, identify metal detectors and access control stations
- Identify CCTV systems, intrusion detection systems, x-ray equipment and biological effects of ionizing radiation
- Explain the principles of radiation protection and the international framework
- Employ protection against occupational radiation exposure, methods of protection and the safe use of radiation sources, individual and workplace monitoring
- Assess the medical exposures in diagnostic radiology as well as utilize and apply physical security equipment in accordance to manufacturer's specifications to achieve the desired results
- Safeguard PSTTE from misuse, malpractice and fraudulent dissemination
- Assign duties and follow up implementation for distribution, check security tools, equipment and accessories as well as barricade and watch site as needed and similar duties
- Inspect security vehicles, equipment and communication sets
- Audit security equipment on a routine basis and furnish reports on damaged equipment for procurement

- Coordinate routine equipment maintenance with subcontractor, report faulty equipment to contracting organization for repairs and monitor all work orders
- Maintain a record of equipment per site location as well as distribute, assign radio and other equipment to junior staff
- Respond to system warnings in a timely manner to resolve security breaches and manage PSTTE inventory
- Act within the law, organization policy and procedures including personnel practices and guidelines

**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 security threats and physical security technology, tools and equipment (PSTTE) including x-ray operation and safety for security managers, chief security officers, senior security officers, security officers, lead security men, RPO’s and staff.

**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.

**Accommodation**

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

**Course Fee**


|           |  |
|-----------|--|
| Dubai     | <b>US\$ 4,500</b> per Delegate + <b>VAT</b> . This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day. |
| Abu Dhabi | <b>US\$ 4,500</b> per Delegate + <b>VAT</b> . This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day. |

### Course Certificate(s)

Internationally recognized certificates will be issued to all participants of the course who completed a minimum of 80% of the total tuition hours.

### 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 **2.4 CEUs** (Continuing Education Units) or **24 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 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. Ahmed Mady** is a **Senior HSE & Security Consultant** with over **35 years** of field experience. He is well-versed in the areas of Hazard Identification & Operability (**HAZOP**), **Hazardous Waste Management & Pollution Prevention**, **HAZMAT & HAZCOM**, **Hazardous Materials & Chemicals Handling**, Storage, **MSDS**, Disposal, Monitoring, Response & Spill Clean Up, Process Hazard Analysis (**PHA**) Methods & Leadership, Behavioral Based Safety (**BBS**), **Environmental Management System**, **Security Threat Identification**, **Risk Analysis** Evaluation & Management, **API-780: Security Risk Assessment** Methodology for the Petrochemical Industries, Environmental Noise, Hazard Identification & Risk Management for Airports, **Pesticide Risk Assessment & Incident Control**, **Accident & Incident Investigation**, **Emergency Response**, Military Intelligence, Strategic Planning, **Terrorism**, **Security Management**, **Military Operations Management** and **HSE Management**. Presently, he is the **Chief Information Directorate** of the **Ministry of Civil Aviation**. Being a **Board Member** of the **Aviation Information Technology Center**, he holds control of the overall strategies and procedures for the ministry, contracting for major IT projects, supervising all IS activities in the aviation sector and ensuring quality and success of delivery. He has consistently exemplified great skills in **Security Systems**, **Logistics Management**, **Systems Analysis & Design**, **Organization Procedure Evaluation & Auditing** and **Contracting & Systems Construction**. During his service, he had been tasked as the **Chief Engineering Analyst**, **On-Scene Commander (OSC) & Incident Commander (IC)** in the **Air Force** and was responsible for a team of engineers supporting all engineering studies, modifications, aging studies and maintenance analysis. He had likewise served as the **Commander** of the **Air Force** and had worked closely with the **Logistics Computer Center** wherein he gave out direction on **Operational & Tactical Logistics Planning** and **Strategic Military Logistics** to numerous high ranking officials, and at the same time **commanding flying Air Force maintenance squadron logistics field activities**. Mr. Ahmed retired in the service as a **Major General**.

Earlier in his career, Mr. Ahmed had occupied several challenging roles with several large Logistics companies as their **Systems Analyst**, **Training Branch Chief**, **Systems & Communication Engineer** and **Computer Programmer**. Further, he has travelled all over Europe, Asia and the Americas joining numerous conferences and workshops with the **Ministry of Foreign Affairs** and international companies such as **IBM**, **System Science Corporation (SSC)** and **International Air Transport Association (IATA)**.

Mr. Ahmed has a **Bachelor** degree in **Mechanical Engineering**. Further, he has gained **Diplomas** on **Civil Aviation Engineering**, **Islamic Studies** and **Information Systems & Technology**. Moreover, he is a **Certified Assessor** by **City & Guilds Level 4 Certificate** in **Leading the Internal Quality Assurance of Assessment Processes & Practice** and **Level 3 Certificate** in **Assessing Vocational Achievement** under the **TAQA Qualification (Training, Assessment & Quality Assurance)**, a **Certified Internal Verifier Level 2 & 3 NVQ Processing Operations: Hydrocarbons** by the **British City & Guilds**, a **Certified Internal Verifier** by the **British Institute of Leadership & Management (ILM)** and a **Certified Instructor** by **Howard Technology Train-the-Trainer Program**. He has further delivered various trainings, workshops, courses and conferences worldwide.

### **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 | <i>Registration &amp; Coffee</i>  |
| 0800 - 0815 | <i>Welcome &amp; Introduction</i>   |
| 0815 - 0830 | <b>PRE-TEST</b>   |
| 0830 - 0930 | <i>Asset Identification &amp; Background Assessment</i>                   |
| 0930 - 0945 | <i>Break</i>  |
| 0945 - 1100 | <i>Security Threat Types, Causes, Sources &amp; Affecting Factors</i>     |
| 1100 - 1230 | <i>Threat Analysis Methods</i>  |
| 1230 - 1245 | <i>Break</i>  |
| 1245 - 1300 | <i>Consequence Analysis Criteria &amp; Methodologies</i>                  |
| 1300 - 1330 | <i>Documentation, Graphical &amp; Tabular Representations of Data</i>     |
| 1330 - 1400 | <i>Preparing Recommendations Including Summary of Assessment Outcomes</i> |
| 1400 - 1420 | <i>Contingency Planning</i>   |
| 1420 - 1430 | <b>Recap</b>  |
| 1430        | <i>Lunch &amp; End of Day One</i>   |

#### **Day 2**

|             |   |
|-------------|---|
| 0730 - 0830 | <i>Applicable Standards, Techniques &amp; Processes, Legislations, Regulations &amp; Confidentiality Policies</i> |
| 0830 - 0930 | <i>The Purpose &amp; How to Use Security Equipment Allotted</i>   |
| 0930 - 0945 | <i>Break</i>  |
| 0945 - 1100 | <i>Metal Detectors &amp; Access Control Stations</i>  |
| 1100 - 1200 | <i>CCTV Systems &amp; Intrusion Detection Systems</i>   |
| 1200 - 1230 | <i>X-Ray Equipment</i>  |
| 1230 - 1245 | <i>Break</i>  |
| 1245 - 1315 | <i>Biological Effects of Ionizing Radiation</i>   |
| 1315 - 1345 | <i>Principles of Radiation Protection &amp; the International Framework</i>                                       |
| 1345 - 1420 | <i>Protection Against Occupational Radiation Exposure</i>   |
| 1420 - 1430 | <b>Recap</b>  |
| 1430        | <i>Lunch &amp; End of Day Two</i>   |

#### **Day 3**

|             |   |
|-------------|---|
| 0730 - 0830 | <i>Methods of Protection &amp; the Safe Use of Radiation Sources</i>  |
| 0830 - 0930 | <i>Individual &amp; Workplace Monitoring</i>  |
| 0930 - 0945 | <i>Break</i>  |
| 0945 - 1030 | <i>Medical Exposures in Diagnostic Radiology</i>  |
| 1030 - 1115 | <i>Utilizing &amp; Applying Physical Security Equipment in Accordance to Manufactures Specifications to Achieve the Desired Results</i> |
| 1115 - 1230 | <i>Safeguarding PSTTE from Misuse, Malpractice, &amp; Fraudulent Dissemination</i>  |
| 1230 - 1245 | <i>Break</i>  |

|             |  |
|-------------|--|
| 1245 – 1330 | <i>Assigning Duties &amp; Follow Up Implementation for Distribution/Checking of Security Tools, Equipment &amp; Accessories, Barricading &amp; Watching Site as Needed, &amp; Similar Duties</i> |
| 1330 – 1420 | <i>Inspecting of Security Vehicles, Equipment &amp; Communication Sets</i>   |
| 1420 – 1430 | <b>Recap</b>   |
| 1430        | <i>Lunch &amp; End of Day Three</i>  |

#### **Day 4**

|             |   |
|-------------|---|
| 0730 – 0830 | <i>Auditing Security Equipment(s) on a Routine Basis</i>  |
| 0830 – 0930 | <i>Furnishes Reports on Damaged Equipment for Procurement</i>   |
| 0930 – 0945 | <i>Break</i>  |
| 0945 – 1030 | <i>Coordinating on Routine Equipment Maintenance with Subcontractor</i>   |
| 1030 – 1100 | <i>Reports Faulty Equipment to Contracting Organization for Repairs &amp; Monitors All Work Orders</i>                    |
| 1100 – 1145 | <i>Maintaining a Record of Equipment per Site Location</i>  |
| 1145 – 1230 | <i>Distributes &amp; Assigns Radio &amp; Other Equipment to Junior Staff</i>  |
| 1230 – 1245 | <i>Break</i>  |
| 1245 – 1315 | <i>Responding to System Warnings in a Timely Manner to Resolve Security Breaches</i>                                      |
| 1315 – 1330 | <i>Managing PSTTE Inventory</i>   |
| 1330 – 1345 | <i>Acting within the Law &amp; Organizational Policy &amp; Procedures Including, Personnel Practices &amp; Guidelines</i> |
| 1345 – 1400 | <b>Course Conclusion</b>  |
| 1400 – 1415 | <b>POST-TEST</b>  |
| 1415 – 1430 | <i>Presentation of Course Certificates</i>  |
| 1430        | <i>Lunch &amp; End of Course</i>  |

#### **Practical Sessions**

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



#### **Course Coordinator**

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