COURSE OVERVIEW FE0630
Material Certification Management

Course Title
Material Certification Management

Course Date/Venue
August 17-21, 2025/Tamra Meeting Room, Al Bandar Rotana Creek, Dubai, UAE

Course Reference
FE0630

Course Duration/Credits
Five days/3.0 CEUs/30 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 of Material Certification Management. It covers the physical, chemical and mechanical properties of different types of materials; the ferrous and non-ferrous metals, plastics and composite materials; the material processing, heat treatment, material selection, metallurgy, material defects and material corrosion mechanisms; the material requisition as per standard requirements and material management cycle; inspecting materials in accordance with the international codes and standards; the acceptance/rejection criteria during the inspection process; the material certificates availability as per purchase order for materials received; and completing "Certificates Receipt Reports" as per verification results ensuring that items with serial numbers, heat numbers, and traceability are arranged.

During this interactive course, participants will learn the materials certification documents are properly scanned along with required information, entered into warehouse "Material Certificates Database" by provision of spot checks; communicating with user departments on resolving material inspection and certification issues; completing "Certificates Issue Reports" as per user department requests for materials; completing "Transfer to Disposal" forms for user consideration; and ensuring that all rejected materials are segregated and kept in quarantine or disposal area in conjunction with Warehouse Supervisor.

Course Objectives

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

- Apply systematic techniques in material certification management
- Identify the physical, chemical and mechanical properties of different types of materials including metals (ferrous and non-ferrous), plastics and composite materials
- Carryout material processing, heat treatment, material selection, metallurgy, material defects and material corrosion mechanisms
- Prepare material requisition as per standard requirements and discuss the material management cycle
- Inspect materials in accordance with the international codes & standards and distinguish the acceptance/rejection criteria during the inspection process
- Verify material certificates availability as per purchase order for materials received and complete "Certificates Receipt Reports" as per verification results ensuring that items with serial numbers, heat numbers, and traceability are arranged
- Ensure that the materials certification documents are properly scanned and, along with required information, entered into warehouse "Material Certificates Database" by provision of spot checks
- Communicate with user departments on resolving material inspection and certification issues and complete "Certificates Issue Reports" as per user department requests for materials
- Complete "Transfer to Disposal" forms for user consideration and ensure that all rejected materials are segregated and kept in quarantine or disposal area in conjunction with Warehouse Supervisor

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 material certification management for senior certificate management engineers, certificate management engineers, certificate management technicians, inspection engineers and material control engineers, management and other technical staff.

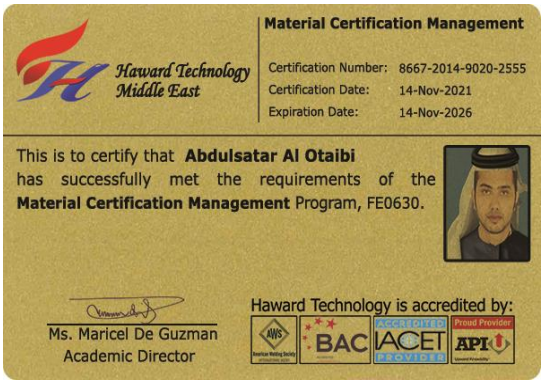
Course Certificate(s)

(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. 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)

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CEU Official Transcript of Records

TOR Issuance Date: 14-Nov-21

HTME No. 8667-2014-9020-2555

Participant Name: Abdulsatar Al Otaibi

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
FE0630	Material Certification Management	November 10-14, 2021	30	3.0

Total No. of CEU's Earned as of TOR Issuance Date **3.0**

TRUE COPY

Maricel De Guzman
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

P.O. Box 26070, Abu Dhabi, United Arab Emirates | Tel.: +971 2 3091 714 | Fax: +971 2 3091 716 | E-mail: info@haward.org | Website: www.haward.org

Certificate Accreditations

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**. 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 **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.

Course 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.

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. Mohamed Kader (**FE**), BSc, PgDip, PMI-PMP, NDT, CSWIP, API is a **Senior Inspection Engineer** with over **20 years** of practical experience within the **Oil & Gas**, **Petrochemical** and **Refinery industries**. His expertise widely covers in the areas of **Material Science & Selection**, **Composite Repair Materials**, **Material Selection & Properties**, **Material & Inspection Foundation**, **Refractory Material Design, Application**, **Installation & Inspection**, **Tank Repairs**, **Design**, **Fabrication**, **Construction**, **Installation**, **Commissioning**, **Inspection & Maintenance** of **Process Equipment**, **Aboveground Storage** Tank Inspection, **Tank Repair**, **Alteration & Reconstruction**, **Tank & Vessels** Inspection, Repair & Modification, **Pressure Vessels** Inspection, **Steam Generator** Repair, **Boilers**, **Piping** Systems, **Pipeline** Operation & Maintenance, **Pipeline** Systems, **Pipeline** Design & Construction, **Pipeline** Inspection & Rehabilitation, **Corrosion**, Fitness for Service (**FFS**), Risk Based Inspection (**RBI**), **Integrity** Management, **Pipeline** Rehabilitation & Repair, **Pipeline** Design & Maintenance, **Pipeline Integrity** Assessment, **Corrosion Monitoring & Cathodic Protection**, **Pressure & Leak** Testing, Piping Inspection, Pipe Lines, Piping Fabrication, Pipe Flow, Gas Pipe Line, Non-Destructive Testing & Engineering Materials, NDT Methods & Application, Magnetic Particle Inspection & Testing, Radiographic Inspection & Testing, Visual Inspection, Leak Testing, Cathodic Protection, Welding Inspection, Welding Technology, Welding & Fabrication, Welding Defects Analysis, Welding Engineering, Welding Procedure Specification, Welding Quality & Control, Damage Mechanisms, Pressure Vessels, Tanks, Heat Exchangers, RT Films Interpretation, Fire Heaters Revamping, Waste Water Heater, Distillation Towers, Crude Oil Tank, Steam Power Plant, Spherical Tanks and Asset Integrity Management. Further, he is also well-versed in **Contract** Management & Administration, **Project** Management, **Project** Scheduling & Cost Control, **Project** Supervision, **Project** Reporting, **Project Investment** & **Risk Analysis**, **Project** Delivery & Governance Framework, **Project Risk** Management, **Risk** Identification Tools & Techniques, **Project** Life Cycle, **Project Stakeholder** & **Governance**, **Project Time** Management, **Project Cost** Management, **Project Quality** Management and **Quality** Assurance. He is currently the **Project Manager** of SOPCO wherein he is managing the project team, evaluating projects and ensuring that the projects meet the quality standards.

During his career life, Mr. Mohamed occupied several significant positions and dedication as the **Projects Engineer**, **Piping & QC Leader**, **Piping Engineer**, **QA/QC Engineer** and **Senior Trainer/Instructor** for various international companies like the Gulf of Suez Petroleum Company (GUPCO), Khalda Petroleum Company (KPC), ADMA-OPCO, Kahalda Petroleum Company, East Gas and MASSA Inspection and Consultation Company.

Mr. Mohamed has a **Bachelor's** degree in **Mechanical Power Engineering** and a **Postgraduate Diploma** in **Welding Science & Technology**. Further, he is a **Certified Instructor/Trainer**, a **Certified Project Management Professional** (**PMI-PMP**), a **Certified Senior Welding Inspector** (**CSWIP 3.1**), a **Certified API 510 Pressure Vessel Inspector**, a **Certified API 570 Piping Inspector**, a **Certified API 653 Tank Inspector** and a **Certified NDT Level II Inspector** in Radiographic Testing (**RT**), Ultrasonic Testing (**UT**), Magnetic Particle Testing (**MT**) and liquid Penetrant Testing (**PT**). He has further delivered numerous trainings, courses, seminars, conferences and workshops internationally.

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 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, 17th of August 2025***

0730 - 0800	*Registration & Coffee*
0800 - 0815	*Welcome & Introduction*
0815 - 0830	***PRE-TEST***
0830 - 0930	***Physical Properties of Material***
0930 –0945	*Break*
0945 – 1030	***Chemical Properties of Materials***
1030 – 1130	***Mechanical Properties of Material***
1130 - 1230	***Material Classification***
1230 - 1245	*Break*
1245 – 1420	***Ferrous Metal***
1420 - 1430	***Recap***
1430	*Lunch & End of Day One*

Day 2: ***Monday, 18th of August 2025***

0730 – 0900	***Non-Ferrous Metals***
0900 - 0930	***Plastic & Composite Material***
0930 - 0945	*Break*
0945 - 1200	***Material Processing & Heat Treatment***
1200 - 1230	***Material Selection***
1230 - 1245	*Break*
1245 - 1345	***Metallurgy Overview***
1345 - 1420	***Material Inherent Defects***
1420 - 1430	***Recap***
1430	*Lunch & End of Day Two*

Day 3:	Tuesday, 19th of August 2025
0730 – 0900	***Material Defects During Fabrication***
0900 - 0930	***Material Defects Due to Service***
0930 - 0945	*Break*
0945 - 1200	***Corrosion Mechanism***
1200 - 1230	***Making Material Requisition as per Standard & Code Requirements***
1230 - 1245	*Break*
1245 - 1345	***Material Management Cycle***
1345 - 1420	***Material Inspection as per Codes & Standards***
1420 - 1430	***Recap***
1430	*Lunch & End of Day Three*

Day 4:	Wednesday, 20th of August 2025
0730 – 0830	***Acceptance/Rejection Criteria as per Material Code***
0830 – 0900	***Material Test Certificate Review***
0900 - 0930	***Material Loading***
0930 - 0945	*Break*
1045 – 1130	***Material Receiving Report***
1130 - 1230	***Material Certificate Verification***
1230 - 1245	*Break*
1245 - 1420	***Certificate Receipt Report***
1420 - 1430	***Recap***
1430	*Lunch & End of Day Four*

Day 5:	Thursday, 21st of August 2025
0730 – 0830	***Material Certificates Database***
0830 – 0900	***Resolving Material Inspection & Certification Issues***
0900 - 0930	***Certificate Issue Report***
0930 - 0945	*Break*
1045 - 1230	***Transfer to Disposal Forms***
1230 - 1230	***Material Rejection & Segregation Procedures***
1230 - 1245	*Break*
1245 - 1315	***Course Conclusion***
1315 - 1415	***COMPETENCY EXAM***
1415 - 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Practical Sessions

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

Course Coordinator

Mari Nakintu, Tel: +971 2 30 91 714, Email: mari1@haward.org