

COURSE OVERVIEW FE0630 Material Certification Management

Course Title

Material Certification Management

Course Date/Venue

February 09-13, 2025/Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, 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 studies and exercises where case 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 the knowledge in material processing, heat treatment, material selection, metallurgy, material defects and material corrosion mechanisms; the material requisition as per standard requirements; the material management cycle; the materials in accordance with the international codes; & standards; the acceptance/rejection criteria during the inspection process; and the 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.

During this interactive course, participants will learn that the materials certification documents are properly scanned and, along with required information, entered into warehouse "Material Certificates Database" by provision of spot checks; the user departments on resolving material inspection and certification issues and complete "Certificates Issue Reports" as per user department requests for materials; the "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 & non-ferrous), plastics and composite materials
- Demonstrate knowledge in 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 guarantine 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 and management.

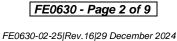
























Course Certificate(s)

Internationally recognized Wall Competency Certificates and Plastic Wallet Card Certificates 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:-







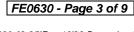
























(1) Official Transcript of Records will be provided to the successful delegates with the equivalent number of ANSI/IACET accredited Continuing Education Units (CEUs) earned during the course





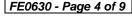
























Certificate Accreditations

Certificates are accredited by the following international accreditation organizations:

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.

British Accreditation Council (BAC) 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\$ 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.

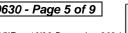
























Course Instructor(s)

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. Salah Younes is a Senior Pipeline & Corrosion Engineer with over 30 years of extensive onshore & offshore experience within the Oil, Gas, Refinery and Petrochemical industries. His wide expertise covers in the areas of Materials & Corrosion, Inspection and Corrosion Foundations, Pipeline Inspection, Corrosion & Repair, LP/HP Gas, Condensate & Fuel Production, Corrosion Control, Corrosion Mechanism & Reactions. Corrosion Prevention & Chemical Techniques, Corrosion Management & Monitoring, Corrosion

Inhibitors, Corrosion Analysis & Remedial Actions, Corrosion Inspection, Facility Integrity Assessments & Rehabilitation, Production Corrosion Control, Cathodic Protection Testing, Painting Inspection, Pipeline Integrity Management, Pipeline Pigging & Assessment, Pipeline Design, Facility Integrity & Assessment, Risk Based Inspection, Process Piping, Storage Tanks, Tank Farm Piping Network, Pigging, ANSI/ASME B31, Pressure Vessels Design & Fabrication, Offshore Structure & Facilities, Onshore Facilities & Storage Tanks, Pressure Vessels, Inhibitors, Protective Coatings, Water Treatment & Injection, Water Flooding, Chemical Treatment & Injection, Oil & Gas Process and Steel Structure Painting. Further, his expertise includes soil resistivity, platform structures, atmospheric tanks, safety relieves valves, heat exchangers, fire heaters, fireproofing materials, lifting equipment, tubing, casing and gas lifting systems, fabrication yards, coatings & non-metallic materials, external & internal coatings, linear polarization and hot tapping. Currently, he is the **Engineering General Manager** wherein he prepares and follow-up periodical inspection plans for all plant equipment internally and externally during downtime and/or maintenance programs at oil processing plant, gas plant, water flooding plant and production platforms.

Earlier in Mr. Salah's career, he acquired his practical and technical expertise and held key positions as the Engineering Manager, Corrosion Department Manager, Facilities Integrity Manager, Corrosion Specialist, Offshore Engineer, Pipeline Integrity Consultant, Corrosion & Chemical Treatment Head, Coating Engineer, Corrosion Engineer, Chemical Engineer, Lecturer/Trainer and Senior Consultant from international companies like the ADMA-OPCO, Qatar Petroleum (QP), RASGAS, MAERSK Oil Qatar, GUPCO and Bureau Veritas.

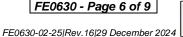
Mr. Salah has a Bachelor degree in Chemical Engineering, a Post Graduate Diploma in Chemical Engineering and a Diploma in Corrosion & Water Treatment. Further, he is a Certified Instructor/Trainer, a Certified Internal Verifier/Assessor/Trainer by the Institute of Leadership and Management (ILM), a Certified BGAS-CSWIP Painting Inspector and a Certified ASNT-NDT Level II in Magnetic Particles Testing (MT), Penetrant Testing (PT) and Radiographic Testing (RT). Moreover, he has published various technical papers related to Corrosion Management and Cathodic Protection that have been presented at several international courses and conferences and has delivered numerous trainings, courses, seminars, conferences and workshops 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.

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:

Sunday 09th of February 2025 Dav 1:

Registration & Coffee
Welcome & Introduction
PRE-TEST
Physical Properties of Material
Break
Chemical Properties of Materials
Mechanical Properties of Material
Material Classification
Break
Ferrous Metal
Recap
Lunch & End of Day One

Monday, 10th of February 2025 Dav 2:

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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





















Tuesday 11th of February 2025 Day 3:

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

Wednesday 12th of February 2025 Day 4:

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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

Thursday 13th of February 2025 Day 5:

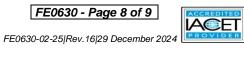
(0730 – 0830	Material Certificates Database
(0830 – 0900	Resolving Material Inspection & Certification Issues
(0900 - 0930	Certificate Issue Report
(0930 - 0945	Break
	1045 - 1230	Transfer to Disposal Forms
	1230 - 1230	Material Rejection & Segregation Procedures
	1230 - 1245	Break
	1245 - 1315	Course 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























