

COURSE OVERVIEW ME0584
Certified Inspectors for Vehicle & Equipment

Course Title

Certified Inspectors for Vehicle & Equipment

Course Reference

ME0584

Course Duration/Credits

Five days/3.0 CEUs/30 PDHs



Course Date/Venue

Session(s)	Date	Venue
1	January 27-31, 2025	Ajman Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE
2	April 06-10, 2025	Al Khobar Meeting Room, Hilton Garden Inn, Al Khobar, KSA
3	July 13-17, 2025	Oryx Meeting Room, Double Tree by Hilton Al Saad, Doha, Qatar
4	October 19-23, 2025	Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE

Course Description



This practical and highly-interactive course includes practical sessions and demonstration for vehicle and equipment inspection. Theory learnt in the class will be applied using various types of vehicle equipment through hands-on practical sessions.



The course is designed to provide participants a detailed and up-to-date overview of vehicle and equipment inspection. It covers lamps, reflectors and electrical equipment; steering and suspension; and brake parking and break control that includes hand operated brake control valves, service brake control, anti-lock braking, electronic stability control systems, mechanical brake components, braking systems and additional braking devices.



At the completion of the course, participants will be able to apply systematic methods of calculating break performance; describe tyres, seat belts and supplementary restrain systems; determine body structure and general items including vehicle structure, seats and doors, registration plates; VIN details, load security, spare wheel, carrier, etc.

The course will also cover exhaust and fuel system; spark ignition and compression ignition; drivers view of the road; view to rear; wipers; washers; windscreen; structural integrity; and corrosion.

Course Objectives

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

- Get certified as a “*Certified Vehicle Inspector*”
- Discuss vehicle inspection basics as well as lamps, reflectors and electrical equipment covering front and rear position lamps, end outline marker lamps, registration plate lamps, stop lamp, rear fog lamps, etc.
- Identify steering and suspension comprising of steering control, steering system, power steering, front suspension and rear suspension
- Recognize break parking and break control including hand operated break control valves, service brake control, anti-lock braking, electronic stability control systems, mechanical brake components, etc.
- Employ systematic methods of calculating break performance
- Describe tyres, seat belts and supplementary restrain systems
- Determine body structure and general items including vehicle structure, seats and doors, registration plates and VIN details, load security, spare wheel, carrier, etc.
- Differentiate exhaust and fuel system as well as spark ignition and compression ignition
- Explain drivers view of the road, view to rear, wipers, washers, windscreen, structural integrity and corrosion

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 vehicle and equipment for technical personnel of vehicle inspection centres that need to perform vehicle inspection as well as vehicle mechanics that need a basic understanding of the inspected items to base their repair and maintenance work on.

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 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 Vehicle Inspector*”. 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-21

HTME No. 3558-6717-5364-9527

Participant Name: Abdulsatar Al Otaibi

Program Ref.	Program Title	Program Date	No. of Contact Hours	CEU's
ME0584	Certified Inspectors for Vehicle and Equipment	10 Nov-14 Nov, 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

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

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)

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.

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. Manuel Dalas MSc, BSc, is a **Senior Mechanical & Maintenance Engineer** with over **20 years** of industrial experience in **Oil, Gas, Refinery, Petrochemical, Power and Nuclear** industries. His wide expertise includes **Material Cataloguing, Maintenance Planning & Scheduling, Reliability Centered Maintenance (RCM), Reliability Maintenance, Condition Based Maintenance & Condition Monitoring, Asset & Risk Management, Vibration Condition Monitoring & Diagnostics of Machines, Vibration & Predictive Maintenance, Reliability Improvement & Vibration Analysis for Rotating Machinery, Effective Maintenance Shutdown & Turnaround Management, Engineering Codes & Standards, Rotating Equipment Maintenance, Mechanical Troubleshooting, Static Mechanical Equipment Maintenance, Machinery Failure Analysis, Machinery Diagnostics & Root Cause Failure Analysis, Plant Reliability & Maintenance Strategies, Boiler Operation & Water Treatment, Pumps Maintenance & Troubleshooting, Fans, Blowers & Compressors, Process Control Valves, Piping Systems & Process Equipment, Gas Turbines & Compressors Troubleshooting, Advanced Valve Technology, Pressure Vessel Design & Analysis, Steam & Gas Turbine, High Pressure Boiler Operation, FRP Pipe Maintenance & Repair, Centrifugal & Positive Displacement Pump Technology Troubleshooting & Maintenance, Rotating Machinery Best Practices, PD Compressor & Gas Engine Operation & Troubleshooting, Hydraulic Tools & Fitting, Mass & Material Balance, Water Distribution & Pump Station, Tank Farm & Tank Terminal Safety & Integrity Management, Process Piping Design, Construction & Mechanical Integrity, Stack & Noise Monitoring, HVAC & Refrigeration Systems, BPV Code, Section VIII, Division 2, Facility Planning & Energy Management, Hoist - Remote & Basic Rigging & Slings, Mobile Equipment Operation & Inspection, Heat Exchanger, Safety Relief Valve, PRV & POPRV/PORV, Bearing & Lubrication, Voith Coupling Overhaul, Pump & Valve Technology, Lubrication Inspection, Process Plant Optimization, Rehabilitation, Revamping & Debottlenecking, Engineering Problem Solving and Process Plant Performance & Efficiency. Currently, he is the **Technical Consultant** of the **Association of Local Authorities of Greater Thessaloniki** where he is in charge of the mechanical engineering services for piping, pressure vessels fabrications and ironwork.**

During his career life, Mr. Dalas has gained his practical and field experience through his various significant positions and dedication as the **Technical Manager, Project Engineer, Safety Engineer, Deputy Officer, Instructor, Construction Manager, Construction Engineer, Consultant Engineer and Mechanical Engineer** for numerous multi-billion companies including the **Biological Recycling Unit** and the **Department of Supplies of Greece, Alpha Bank Group, EMKE S.A, ASTE LLC** and **Polytechnic College of Evosmos**.

Mr. Dalas has a **Master degree in Energy System** from the **International Hellenic University, School of Science & Technology** and a **Bachelor degree in Mechanical Engineering** from the **Mechanical Engineering Technical University of Greece** along with a **Diploma in Management & Production Engineering** from the **Technical University of Crete**. Further, he is a **Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership and Management (ILM)**, a **Certified Project Manager Professional (PMI-PMP)**, a **Certified Instructor/Trainer**, a **Certified Energy Auditor for Buildings, Heating & Climate Systems**, a **Member of the Hellenic Valuation Institute** and the **Association of Greek Valuers** and a **Licensed Expert Valuer Consultant** of the **Ministry of Development and Competitiveness**. He has further delivered numerous trainings, courses, seminars, conferences and workshops internationally.

Course Fee

Abu Dhabi	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.
Al Khobar	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.
Doha	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.
Dubai	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 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 & Coffee</i>
0800 – 0815	<i>Welcome & Introduction</i>
0815 – 0830	PRE-TEST
0830 – 0930	Vehicle Inspection Basics <i>Basic Terminology & Abbreviations • Contribution of Vehicles Periodic Inspection to Road Safety, Economy & Service Life • Vehicles Categories • Vehicles Inspection Types (Roadworthiness Inspections: Affect the Safety, and Reliability Vehicles Before Upcoming Scheduled Inspection- Covers All Items of Annual Test • Maintenance Inspection: Visual and Gives Insights into Maintenance Standards and the General Vehicle Care • Pre-Purchase Inspection: It Provides Information on Vehicle Condition Before Purchasing</i>
0930 – 0945	<i>Break</i>
0945 – 1200	Vehicle Inspection Basics (cont'd) <i>End-of-Lease Inspection: This Provides an Objective Third-Party Report on the Condition of the Vehicle Before it is Re-Handled • Due Diligence Inspection: It Examines the Condition of a Vehicle Fleet and Assesses its Financial Value • Lifting Equipment Inspection: This is a Full Visual Examination in Addition to Roadworthiness or Maintenance Inspection and Focuses on Operation and Mechanics of Lifting Equipment) • Major Issues for Vehicle Inspection (Roadworthiness, Structural Soundness, Underbody Integrity, Road Performance)</i>
1200 – 1215	<i>Break</i>
1215 – 1330	Lamps, Reflectors & Electrical Equipment <i>Front & Rear Position Lamps • End Outline Marker Lamps & Registration Plate Lamps • Stop Lamp • Rear Fog Lamps • Direction Indicators & Hazard Warning Devices • Rear Reflectors & Audible Warning (Horn) • Headlamps • Electrical Warning & Battery</i>



1330- 1420	Steering & Suspension Steering Control • Steering System • Power Steering • Suspension-General • Front Suspension • Wheel Bearings & Driveshafts • Rear Suspension & Wheel Bearings • Shock Absorbers • Suspension Type Diagrams
1420 – 1430	Recap
1430	Lunch & End of Day One

Day 2

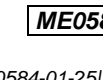
0730 – 0930	Brakes Parking & Brake Control Hand Operated Brake Control Valves • Service Brake Control • Anti-Lock Braking & Electronic Stability Control Systems
0930 – 0945	Break
0945 – 1100	Brakes Parking Brake Control (cont'd) Mechanical Brake Components • Braking Systems & Additional Braking Devices
1100 – 1230	Brake Performance Method of Calculating Brake Performance
1230 – 1245	Break
1245 – 1420	Brake Performance (cont'd) Examples of Manufactures Plates • Brake Efficiency Tables
1420 – 1430	Recap
1430	Lunch & End of Day Two

Day 3

0730 – 0930	Tyres Roadwheels • Tyre Size
0930 – 0945	Break
0945 – 1100	Tyres (cont'd) Ply Rating & Load Index
1100 – 1230	Seat Belts & Supplementary Restraint Systems Seat Belts Requirements • Seat Belt Condition
1230 – 1245	Break
1245 – 1420	Seat Belts & Supplementary Restraint Systems (cont'd) Seat Belt Installation Check • Supplementary Restraint Systems
1420 – 1430	Recap
1430	Lunch & End of Day Three

Day 4

0730 – 0930	Body Structure & General Items Vehicle Structure • Body & General Items • Seats & Doors • Registration Plates & VIN Details • Load Security
0930 – 0945	Break
0945 – 1100	Body Structure & General Items (cont'd) Spare Wheel & Carrier • Speed Limiters • Tow Bars • Speedometers • Driving Controls • Glazing
1100 – 1230	Exhaust, Fuel & Emissions Exhaust System • Fuel System
1230 – 1245	Break
1245 – 1420	Exhaust, Fuel & Emissions (cont'd) Exhaust Emissions-Spark Ignition • Exhaust Emissions-Compression Ignition
1420 – 1430	Recap
1430	Lunch & End of Day Four



Day 5

0730 – 0830	<i>Drivers View of the Road</i>
0830 – 0930	<i>View to Rear</i>
0930 – 0945	<i>Break</i>
0945 – 1100	<i>Wipers & Washers</i>
1100 – 1200	<i>Windscreen</i>
1200 – 1215	<i>Break</i>
1215 – 1300	<i>Structural Integrity & Corrosion</i>
1300 – 1315	<i>Course Conclusion</i>
1315 – 1415	COMPETENCY EXAM
1415 – 1430	<i>Presentation of Course Certificates</i>
1430	<i>Lunch & End of Course</i>

Practical Sessions/Site Visit

Site visit will be organized during the course for delegates to practice the theory learnt:-



Course Coordinator

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