

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Training & Certification Needs for Industrial Skillsets

Reviewed By
TAY CHIA CHAY & BRIAN LIM SIONG CHUNG

Certification By



INSTITUTE OF MATERIALS, MALAYSIA



IMM Training & Certification Schemes 2026/2027

Training & Certification Needs for Industrial Skillsets

Reviewed by
Tay Chia Chay & Brian Lim Siong Chung

Certification by



INSTITUTE OF MATERIALS, MALAYSIA

www.iomm.org.my

All rights reserved. No part of this publication may be reproduced, copied, stored in any retrieval systems or transmitted in any form or by any means – electronic, mechanical, photocopying, recording or otherwise, without prior permission in writing from the Institute of Materials, Malaysia

Email: secretariat@iommm.org.my

Perpustakaan Negara Malaysia

Cataloguing-in-Publication data

IMM Training & Certification Schemes 2026/2027 (Training & Certification Needs for Industrial Skillsets)

Reference: <https://www.iommm.org.my/>

ISBN: XXX

Reviewed by: Tay Chia Chay, Brian Lim Siong Chung

Cover design: Ainur Afini Puaze & Nurhizatul Mohamad Nizam

Type setting: Ainur Afini Puaze & Nurhizatul Mohamad Nizam

Typeface: Times New Roman

Type size: 11 points

Published by: **Institute of Materials, Malaysia (IMM)**

Suite 1008, Level 10, Block A,
Lobby C, Kelana Center Point, No. 3,
Jalan SS 7/19, Kelana Jaya,
Petaling Jaya, 47301 Selangor,
Malaysia.

TABLE OF CONTENTS

	Page
IMM Training and Certification Services	1
Benefits of IMM Certification	1
Development of Certification Schemes	2
Area of Assessment for Certification Programs	2
List of IMM Certification Schemes	3
Maintaining the Standards, Impartiality and Credibility of IMM Certification Schemes	4
IMM Training and Certification Program Overview	5
List of Associate Training Partner (ATP), Authorised Training Bodies (ATBs), and Authorised Testing Centre (ATC)	8
IMM Initial Certification Process	14
 COATING	
IMM Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2	16
IMM Certified Protective Coating Technician Refresher Course	20
IMM Certified Blasting and Painting Supervisor	22
IMM Certified Coating Inspector Level 1	24
IMM Certified Coating Inspector Level 2	27
IMM Certified Coating Inspector Refresher Course	30
IMM Certified Coating Quality Control Technician	32
IMM Certified Thermal Spray Coating Applicator	34
 COATING FINGERPRINTING	
Coating Fingerprint Foundation Course	38
IMM Certified Coating Fingerprint Quality Controller Level 1	40
IMM Certified Coating Fingerprint Quality Controller Level 2	43
IMM Certified Coating Fingerprint Quality Controller Refresher Course	46
 CORROSION	
IMM Certified Corrosion Monitoring Practitioner Level 1	49
IMM Certified Corrosion Monitoring Practitioner Level 2	52
IMM Certified Corrosion Monitoring Practitioner Level 3	55
IMM Certified Cathodic Protection Practitioner Level 1	58
IMM Certified Cathodic Protection Practitioner Level 2	61
IMM Certified Cathodic Protection Practitioner Level 3	64
 MECHANICAL JOINT INTEGRITY	
IMM Certified Technician in Mechanical Joint Integrity for Small-bore Piping, Tubing and Valves	68
IMM Certified Technician in Mechanical Joint Integrity for Flange Bolted Connections	71
 VIBRATION	
IMM Certified Vibration Practitioner Category 1	75
IMM Certified Vibration Practitioner Category 2	77
 WELDING	
IMM Certified Welding Inspector	80
IMM-JWES Certified Associate Welding Engineer/ Welding Engineer/ Senior Welding Engineer	83
 Testimonials from IMM Certified and Trained Personnel	86
Frequently Asked Questions About IMM Training & Certification Schemes	88

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

IMM TRAINING AND CERTIFICATION SERVICES

Institute of Materials, Malaysia (IMM) has been involved in the training and certification of technical personnel for more than 30 years. A significant portion of these programs focuses on certifying engineers and technicians in the oil and gas industry. In recent years, IMM has also expanded its reach into the construction, power, and transportation sectors.

Personnel working in these industries are required to demonstrate a high level of competency, and IMM has established a strong reputation as a trusted training and certification body. To date, IMM has certified more than 10,000 skilled workers through its competency development and certification programs. Many of these individuals perform tasks that require specialized technical skills, while others are responsible for making important technical judgments and decisions. Such responsibilities carry significant implications, as any errors or shortcomings could lead to serious consequences including structural failures, corrosion, vibrations, product loss, economic losses, injuries, or even loss of life.

BENEFITS OF IMM CERTIFICATION

IMM approved training courses and certification programs are designed to equip workers with the essential knowledge and skills required for entry into the industrial sector. IMM certification serves as credible evidence to prospective employers that certified individuals have achieved a recognized level of competency in their respective fields.

These programs focus not only on developing new competencies but also on enhancing the existing capabilities of experienced personnel. By complementing practical work experience with structured training and formal certification, individuals are better positioned for career progression within the industry. In addition, these programs expose the workforce to relevant and emerging technologies, supporting improved efficiency and performance. Continuous skills development contributes to a more capable workforce, improved productivity, and greater industry competitiveness.

IMM certification also enhances the professional value of certified personnel within their organizations. As industry specifications increasingly require certified personnel for project and contract work, certification provides a competitive advantage in employment opportunities. Employers are generally more confident in engaging certified individuals, as certification demonstrates verified competence and professional credibility. Furthermore, IMM certification programs provide access to professional resources and valuable networking opportunities with peers and industry leaders, creating avenues for knowledge sharing, collaboration, and further career and business development.

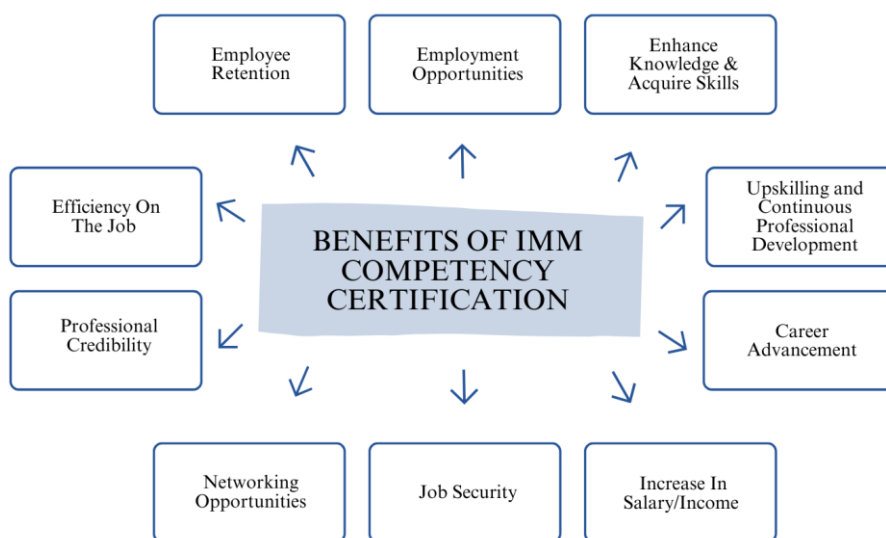


Figure 1 Benefits for Persons Certified to IMM Certification Schemes

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

DEVELOPMENT OF CERTIFICATION SCHEMES

As one of the nation's recognized certification bodies for skilled personnel in the materials science and technology fields, Institute of Materials, Malaysia (IMM) has the capability to assess and certify individuals against competency standards established by industry across various specialized disciplines. Competency-based certification requires IMM to evaluate a candidate's knowledge, technical skills, qualifications, and relevant personal attributes in accordance with the specific program and scope of certification.

IMM's certification schemes have been progressively developed and refined over the years, supported by clearly defined competency criteria. The Technical Committees, comprising subject matter experts from the industry, play a key role in developing new certification schemes as well as reviewing and enhancing existing ones to ensure that competency standards remain aligned with industry requirements. The IMM Secretariat supports this process and works closely with the Examination and Certification Panel (ECP).

The Examination and Certification Panel serves as the approving authority for all matters related to examinations and certification. Its responsibilities include approving examination papers, appointing examiners, validating examination results, and overseeing certification scheme documentation, quality manuals, standard operating procedures (SOPs), and other related certification documents.

IMM's certification schemes for each category of competency cover the following elements in line with ISO requirements:

- Scope – job and certification title
- Job and task description – description of the tasks required to perform the audit
- Required competence – knowledge and skills
- Prerequisites – qualifications, work experience and training
- Assessment methods – written, oral, practical and observations
- Examination structure and duration
- Criteria for certification – assessments/examination pass scores
- Criteria for recertification – confirmation of continuing satisfactory work, work experience, examination/interview, continuous professional development

To ensure certified personnel maintain their competency, IMM mandates recertification every three or five years, depending on the scheme. The process involves verification of work experience endorsed by a manager or supervisor and, where required, completion of a refresher course followed by an assessment or examination.

AREA OF ASSESSMENT FOR CERTIFICATION PROGRAMS

Competency	A	Knowledge and understanding Apply fundamental knowledge and understanding existing and emerging technology
	B	Application to practice/analysis Apply appropriate theoretical and practical methods to the analysis
	C	Leadership/management/supervision skill Committed to provide technical leadership/management/supervision
Commitment	D	Interpersonal skill Effective communication/social skills
	E	Professional conduct Social responsibilities and committed to professional standards

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

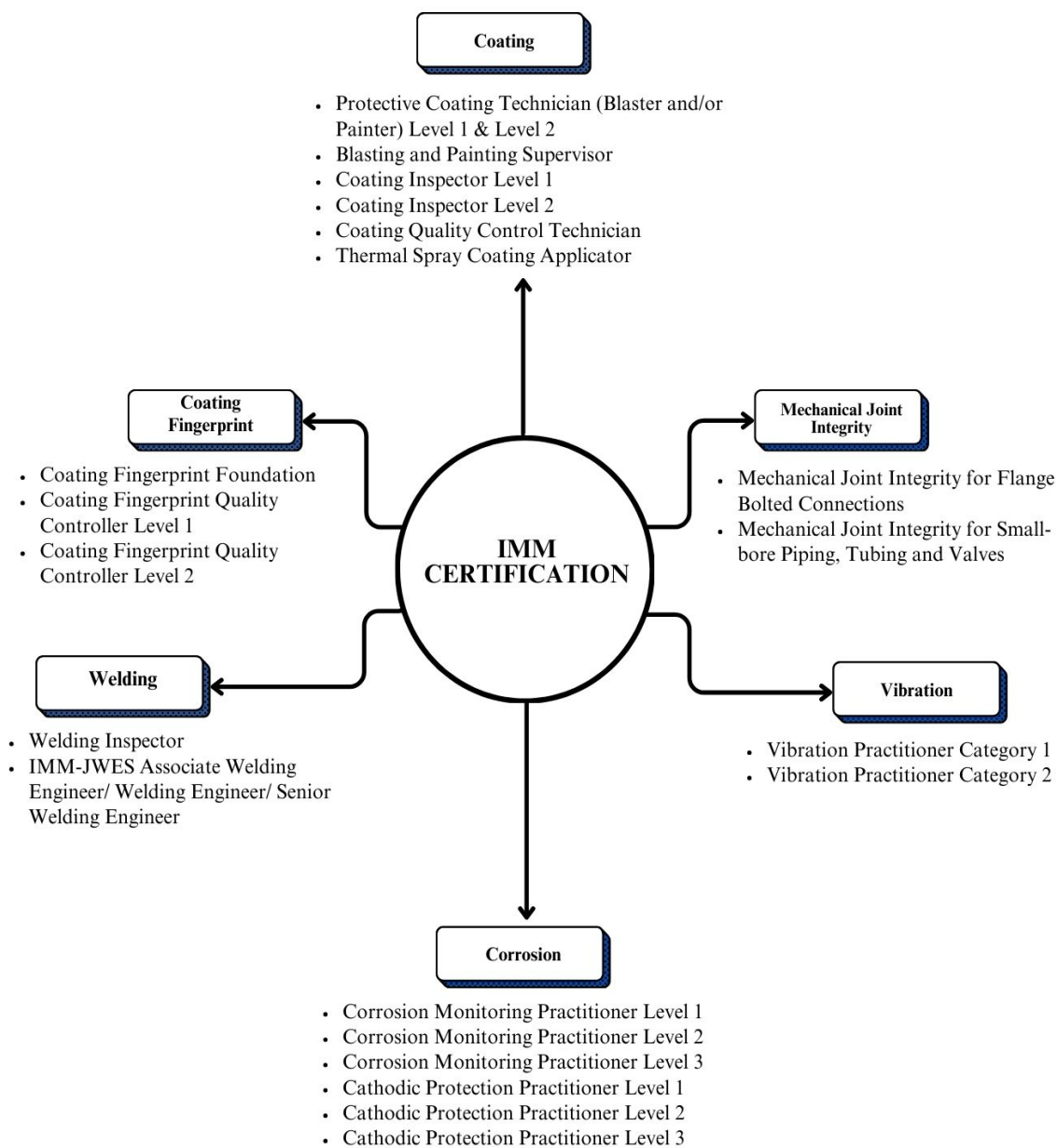


Figure 2 List of IMM Certification Scheme

MAINTAINING THE STANDARDS, IMPARTIALITY AND CREDIBILITY OF IMM CERTIFICATION SCHEMES

To reinforce the credibility of its certification programs, the Institute of Materials, Malaysia (IMM) achieved **ISO/IEC 17024 accreditation** Conformity Assessment: General Requirements for Bodies Operating Certification of Persons on **29th March 2021** (Accreditation No. ACB 056). The accredited schemes include **Mechanical Joint Integrity (MJ)** and **Coating Inspector (CI)** certification.



IMM Certified Technician in Mechanical Joint Integrity Certification Scheme

- Certified Technician in Mechanical Joint Integrity for Small-Bore Piping, Tubing and Valves (MJ-SBV)
- Certified Technician in Mechanical Joint Integrity for Flange Bolted Connections (MJ-FL)

IMM Certified Coating Inspector Certification Scheme

- Certified Coating Inspector Level 1 (CIL1)
- Certified Coating Inspector Level 2 (CIL2)

IMM's organizational structure ensures impartiality, a key requirement under ISO/IEC 17024. Training and certification activities are deliberately segregated: training is delivered by **Associate Training Partner (ATP)**, **Authorized Training Bodies (ATBs)** and **Authorized Testing Centre (ATCs)**, while IMM independently manages certification examinations. For candidate convenience, examinations may be scheduled immediately following training, but examiners are always independent of the trainers.

While IMM takes immense pride in its current accredited certification programs, the Institute is far from standing still. To meet the evolving needs of Malaysia's industrial sectors from oil and gas to renewable energy and advanced manufacturing, IMM is actively expanding the scope of its ISO/IEC 17024 accreditation.

IMM TRAINING AND CERTIFICATION PROGRAM OVERVIEW

Institute of Materials, Malaysia (IMM) delivers industry aligned certification schemes and technical training for engineering and technical professionals across oil & gas, petrochemical, transport, construction, and related sectors. Developed with input from industry, academia, and key stakeholders, IMM programs ensure skills and competencies meet the highest industry standards.

PROGRAM: COATING

IMM Certification Schemes and Courses	Technical Training Courses (Non-certification)
• Certified Protective Coating Technician (Blaster and/or Painter) Level 1 and Level 2 • Certified Blasting and Painting Supervisor • Certified Coating Inspector Level 1** • Certified Coating Inspector Level 2** • Certified Thermal Spray Coating Applicator • Certified Coating Quality Control Technician ** Accredited to ISO/IEC 17024	• Refresher Course of Certified Protective Coating Technician • Refresher Course of Certified Coating Inspector • Basic Knowledge on Corrosion Protection for Technicians and Engineers • Corrosion Control by Protective Coating • Corrosion Control by Protective Paints

PROGRAM: COATING FINGERPRINT

IMM Certification Schemes and Courses	Technical Training Courses (Non-certification)
• Certified Coating Fingerprint Quality Controller Level 1 • Certified Coating Fingerprint Quality Controller Level 2 • Certified Coating Fingerprint Trainer/Examiner	• Coating Fingerprint Foundation Course • Refresher Course of Certified Coating Fingerprint Quality Controller

PROGRAM: CORROSION

IMM Certification Schemes and Courses	Technical Training Courses (Non-certification)
• Certified Corrosion Monitoring Practitioner Level 1 • Certified Corrosion Monitoring Practitioner Level 2 • Certified Corrosion Monitoring Practitioner Level 3 • Certified Cathodic Protection Practitioner Level 1 • Certified Cathodic Protection Practitioner Level 2 • Certified Cathodic Protection Practitioner Level 3	• Corrosion Control by Cathodic Protection

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

PROGRAM: VIBRATION

IMM Certification Schemes and Courses	Technical Training Courses (Non-certification)
• Certified Vibration Practitioner Category 1 • Certified Vibration Practitioner Category 2 • Certified Vibration Specialist Category 3 • Certified Vibration Specialist Category 4	-

PROGRAM: MECHANICAL JOINT INTEGRITY (MJJ)

IMM Certification Schemes and Courses	Technical Training Courses (Non-certification)
• Certified Technician in Mechanical Joint Integrity (MJJ) for Flange Bolted Connection** • Certified Technician in Mechanical Joint Integrity (MJJ) for Small Bore – Piping, Tubing and Valves** ** Accredited to ISO/IEC 17024	• Valve Operations, Maintenance and Inspection Including Flange Breaking

PROGRAM: THERMAL INSULATION

IMM Certification Schemes and Courses	Technical Training Courses (Non-certification)
• Certified Thermal Insulation Installer	• Introduction to Thermal Insulation

PROGRAM: WELDING

IMM Certification Schemes and Courses	Technical Training Courses (Non-certification)
• Certified Welding Inspector • IMM-JWES Certified Associate Welding Engineer • IMM-JWES Certified Welding Engineer • IMM-JWES Certified Senior Welding Engineer • Certified Thermit Welding Practitioner (Level 1) • Certified Thermit Welding Senior Practitioner (Level 2)	• Repair Welding of Pressure Equipment in Refineries & Chemical Plants • Welding & Joining Technology for Non-Welding Personnel • Steel Technology for Non-Technical Personnel

PROGRAM: TRAINER/EXAMINER

IMM Certification Schemes and Courses	Technical Training Courses (Non-certification)
• Certified Trainer/Examiner	-

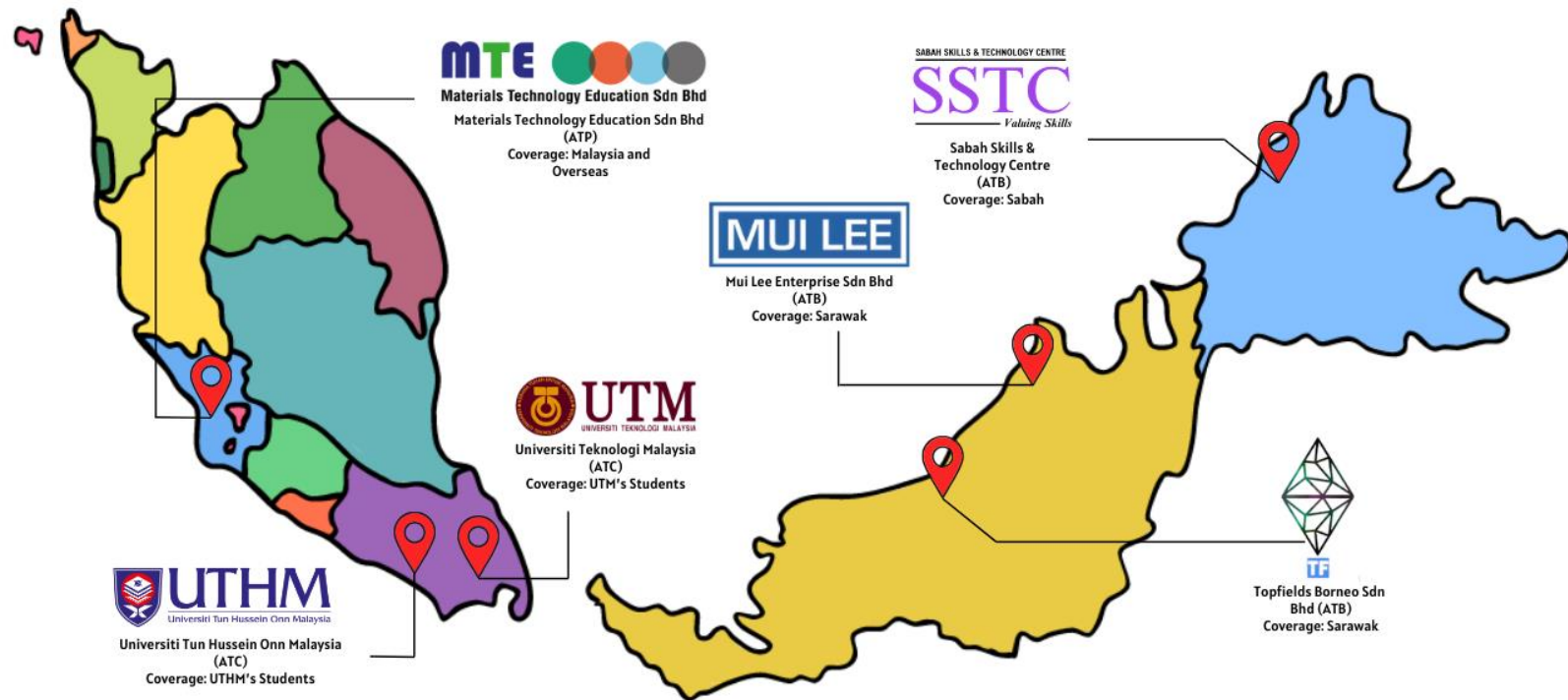
IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

MISCELLANEOUS MATERIALS SCIENCE AND TECHNOLOGY (NON-CERTIFICATION) COURSES

Technical Training Courses	Technical Training Courses
• Materials Selection & Corrosion • Metallurgical Failure Investigation • Basic Course on Operation of Mobile Air Compressor • Competent Mobile Industrial Compressor Operator • Competent Mobile Industrial Equipment Inspector • Practical Approach to Inspection and Maintenance of Steam Turbine	• Practical Approach to Precision Alignment Methods • Practical Approach to Precision Balancing Methods • Reciprocating Compressors: Operations, Maintenance, Inspection and Troubleshooting • Troubleshooting Techniques for Rotating Equipment

Note: Participants of non-certification professional development training courses will receive a certificate of attendance. Candidates who pass the examination of IMM certification schemes will be awarded an IMM competency certificate and an IMM certification ID card (digital).

**LIST OF ASSOCIATE TRAINING PARTNER (ATP), AUTHORISED TRAINING BODIES (ATBs), AND
AUTHORISED TESTING CENTRE (ATC)**



IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

ASSOCIATE TRAINING PARTNER (ATP)

(Offers IMM Certification Training Programs and Courses)



Materials Technology Education Sdn Bhd

Materials Technology Education Sdn Bhd

(Malaysia and Overseas)

Address: 13-2, Pusat Dagangan Shah Alam, Lot 13, Persiaran Damai, Seksyen 11, 40100
Shah Alam, Selangor, Malaysia

Phone: +603-20223 704 / +60 14-377 3704

Email: info@mte.com.my

Website: <https://www.mte.com.my/>

Coating

- Certified Protective Coating Technician (Blaster and/or Painter) Level 1 or/and Level 2 Training and Assessment
- Certified Protective Coating Technician (Blaster and/or Painter) Level 1 Refresher and Assessment
- Certified Protective Coating Technician (Blaster and Painter) Level 2 Refresher and Assessment
- Certified Blasting and Painting Supervisor
- Certified Coating Inspector Level 1
- Certified Coating Inspector Level 2
- Certified Coating Quality Control Technician
- Certified Thermal Spray Coating Applicator
- Refresher Course of Certified Coating Inspector for Recertification
- Refresher Course of Certified Protective Coating

Corrosion

- Certified Corrosion Monitoring Practitioner Level 1
- Certified Corrosion Monitoring Practitioner Level 2
- Certified Corrosion Monitoring Practitioner Level 3
- Certified Cathodic Protection Practitioner Level 1
- Certified Cathodic Protection Practitioner Level 2
- Certified Cathodic Protection Practitioner Level 3
- Certified Materials Failure Investigation Practitioner Level 1
- Certified Materials Failure Investigation Practitioner Level 2
- Certified Materials Failure Investigation Practitioner Level 3
- Certified Materials Failure

Asset Integrity

- Certified Mechanical Joint Integrity for Small-bore Piping, Tubing and Valves
- Certified Mechanical Joint Integrity for Flange Bolted Connections
- Certified Mechanical Joint Integrity for Small-bore Piping, Tubing and Valves Refresher and Assessment
- Certified Mechanical Joint Integrity for Flange Bolted Connections Refresher and Assessment

Vibration

- Certified Vibration Practitioner Category 1
- Certified Vibration Practitioner Category 2
- Certified Vibration Specialist Category 3
- Certified Vibration Specialist Category 4
- Certified Maintenance & Troubleshooting of Rotating Equipment Level 1

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Technician (Blaster and/or Painter) Level 1 and Level 2 for Recertification

Investigation Practitioner Level 4

- Certified Maintenance & Troubleshooting of Rotating Equipment Level 2

Welding

Insulation

- Certified Insulation Practitioner Level 1
- Certified Insulation Practitioner Level 2
- Certified Insulation Inspector
- Certified Welding Inspector
- Certified Associate Welding Engineer
- Certified Welding Engineer
- Certified Senior Welding Engineer

AUTHORISED TRAINING BODIES (ATBs)
(Offers IMM Certification Training Programs and Courses)



Sabah Skills & Technology Centre
(Sabah)

Address: No. 8, Jalan 1C, KKIP Selatan Industrial Zone 1 (IZ1), Kota Kinabalu Industrial Park (KKIP), 88460 Kota Kinabalu, Sabah, Malaysia

Phone: +6088-496 613 / +6088-496 614

Email: admin@sstc.org.my

Website: <https://www.sstc.org.my/>

- Certified Protective Coating Technician (Blaster and/or Painter) Level 1 or/and Level 2 Training and Assessment
- Certified Coating Inspector Level 1
- Certified Coating Inspector Level 2



Topfields Borneo Sdn Bhd
(Sarawak)

Address: 30 Lot 15231, BLK 32 Jayhub Industrial Estate Jalan Tun Hussein Onn Kemena Land District, 97000 Bintulu, Sarawak, Malaysia

Phone: +6086-317 248

Email: info@topfieldsborneo.com

Website: <https://topfieldsborneo.com/>

- Certified B1B2 Assistant Blaster and Painter
- Certified Protective Coating Technician (Blaster and/or Painter) Level 1 or/and Level 2 Training and Assessment
- Certified Blasting and Painting Supervisor

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

- Certified Coating Inspector Level 1
- Certified Coating Inspector Level 2
- Certified Thermal Spray Coating Application
- Certified Coating Quality Control Technician
- Refresher Course of Certified Coating Inspector for Recertification
- Refresher Course of Certified Protective Coating Technician (Blaster and/or Painter) Level 1 and Level 2 for Recertification
- Basic Knowledge on Corrosion Protection for Technicians and Engineers Course
- Corrosion Control by Protective Coating Course
- Corrosion Control by Protective Paints Course



Mui Lee Enterprise Sdn Bhd
(Sarawak)

Address: Lot 959, Block 4, Piasau Industrial Estate, 98000 Miri, Sarawak, Malaysia

Phone: +6085-658 787 / +6019 814 5454

Email: enquiry@muilee.com.my

Website: <https://www.muilee.com.my/>

Coating

- Certified B1B2 Assistant Blaster and Painter
- Certified Protective Coating Technician (Blaster and/or Painter) Level 1 or/and Level 2 Training and Assessment
- Certified Blasting and Painting Supervisor
- Certified Coating Inspector Level 1
- Certified Coating Inspector Level 2
- Refresher Course of Certified Coating Inspector for Recertification
- Refresher Course of Certified Protective Coating Technician (Blaster and/or Painter) Level 1 and Level 2 for Recertification

AUTHORISED TESTING CENTRE (ATCs)
(Offers IMM Certification Training Programs and Courses)



Universiti Tun Hussein Onn Malaysia

(UTHM's student)

Address: Persiaran Tun Dr. Ismail, 86400 Parit Raja, Batu Pahat, Johor Darul Takzim,
Malaysia

Phone: +607-453 7000

Email: pro@uthm.edu.my

Website: <https://www.uthm.edu.my>

- Certified Cathodic Protection Practitioner Level 1
- Certified Cathodic Protection Practitioner Level 2



Universiti Teknologi Malaysia

(UTM's student)

Address: Jalan Iman, 83100 Skudai, Johor, Malaysia

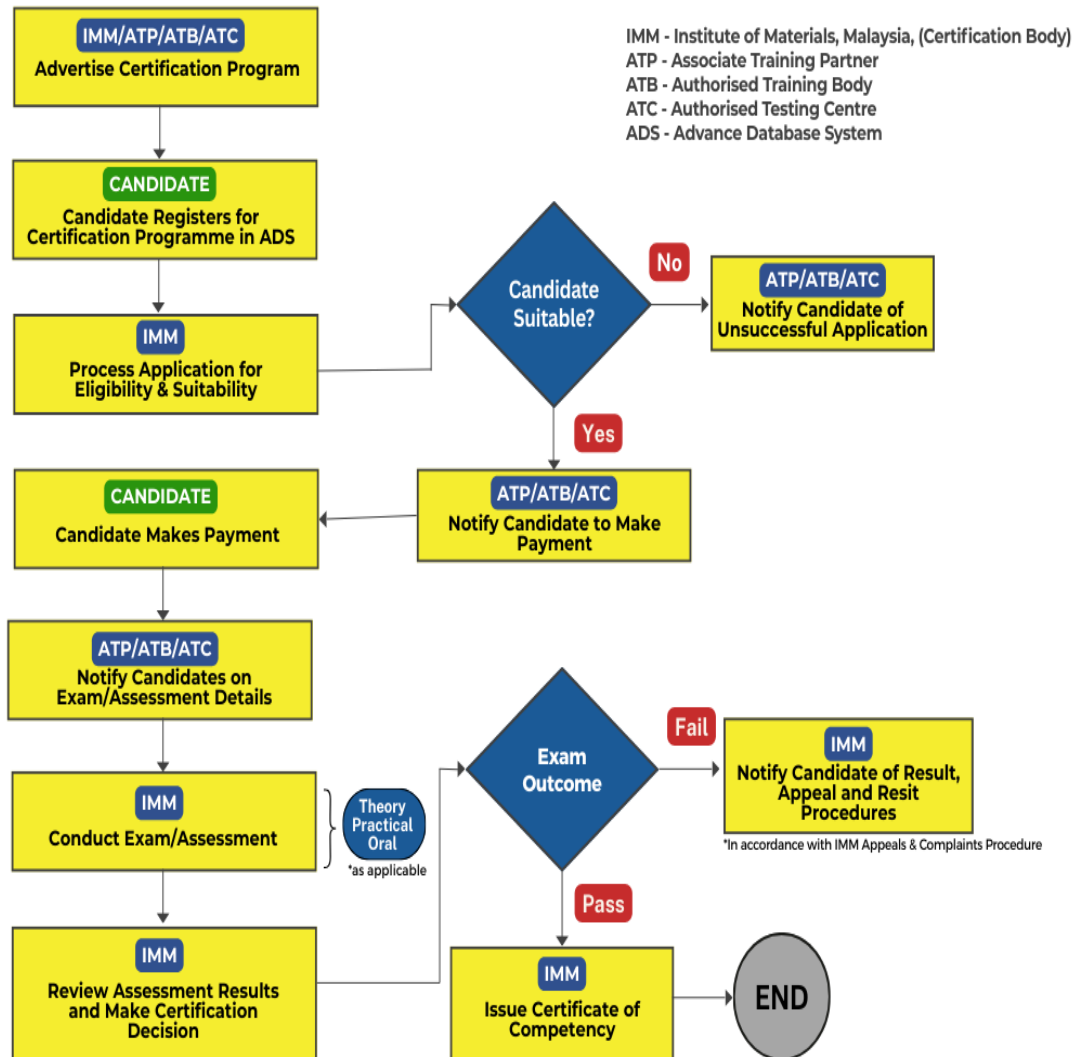
Phone: +607-533 3333

Email: support@utm.my

Website: <https://www.utm.my/>

- Certified Coating Inspector Level 1
- Certified Coating Inspector Level 2

IMM INITIAL CERTIFICATION PROCESS





COATING PROGRAMS

IMM Coating Certification Scheme

Certified Protective Coating Technician (Blaster and/or Painter) Level 1 & Level 2

Code: PCT

HRDF claimable

This certification scheme will assess the candidate on capabilities and competency in abrasive blasting and protective coating painting skills, mainly in the oil & gas and heavy engineering industries. The candidate will be assessed both in the theory and practical aspects of Blasting and/or Painting which will determine their competency in accordance to the terms and conditions of the IMM Coating Certification Scheme. The candidate has a choice to sit for only the Blaster or Painter examinations or both.

Reference standards (reference used shall refer to the latest published document):

- ISO 8501-1: Preparation of Steel Substrates Before Application of Paints and Related Products - Visual Assessment of Surface Cleanliness - Part 1: Rust Grades and Preparation Grades of Uncoated Steel Substrates and of Steel Substrates After Overall Removal of Previous Coatings
- SSPC PA-1: Shop, Field, and Maintenance Coating of Metals

Who should apply

This certification scheme is suitable for new workers as well as those with experience in painting and/or blasting who want to be certified.

Objectives

To access the following knowledge and skills in:

- Specifying protective paint/coating system to a variety of substrates (Level 1 – Blaster; Level 1 – Painter; Level 2 – Multi-skill)
- The preparation of substrates prior to painting (Level 1 – Blaster; Level 2 – Multi-skill)
- The application of paint coatings (Level 1 – Painter; Level 2 – Multi-skill)
- The diagnosis and rectification of faults in paint coatings and communication in written form (Level 1 – Blaster; Level 1 – Painter; Level 2 – Multi-skill)

Examination topics

- Understanding corrosion types, factors affecting corrosion and effects of corrosion (Level 1 – Blaster; Level 1 – Painter; Level 2 – Multi-skill)
- Standards and paint materials data sheets (Level 1 – Blaster; Level 1 – Painter; Level 2 – Multi-skill)
- Composition and important types of paints (Level 1 – Blaster; Level 1 – Painter; Level 2 – Multi-skill)
- Surface preparation and related techniques (Level 1 – Blaster; Level 2 – Multi-skill)
- Application of paints (Level 1 – Painter; Level 2 – Multi-skill)
- Paint faults and coating defects (Level 1 – Blaster; Level 1 – Painter; Level 2 – Multi-skill)
- Quality assurance checks (Level 1 – Blaster; Level 1 – Painter; Level 2 – Multi-skill)
- Health, safety and environment – hazards, safety features and preventive measures (Level 1 – Blaster; Level 1 – Painter; Level 2 – Multi-skill)
- About coating fingerprinting (Level 1 – Blaster; Level 1 – Painter; Level 2 – Multi-skill)

The examination/assessment shall be preceded by a 2-hour pre-assessment briefing for Level 2 – Multi-skill

OR

The examination/assessment shall be preceded by a 1-hour pre-assessment briefing for Level 1 – Blaster

OR

The examination/assessment shall be preceded by a 1-hour pre-assessment briefing for Level 1 – Painter

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Examination format

The examination comprises both theory and practical assessments, as follows:

- Theory
 - IMM PCT Level 2 (Multi-skill)**
 - Paper 1 - Surface preparation, 23 multiple choice questions
 - Paper 2 - Painting, 23 multiple choice questions
 - IMM PCT Level 1 (Blaster or Painter)**
 - Paper 1 - Surface preparation, 23 multiple choice questions OR
 - Paper 2 – Painting, 23 multiple choice questions
- Practical assessment
 - IMM PCT Level 2 (Multi-skill)**
 - Part 1- Surface preparation
 - » Identify the main parts of a setup blasting equipment.
 - » Identify the safety features of blasting equipment and explain its function.
 - » To carry out blasting on a test panel to SA 2½ standard.
 - Part 2 - Painting
 - » Identify the main parts of airless spray equipment.
 - » Identify and explain the safety features of an airless spray gun.
 - » Show how to check that the one or two-pack paint is the correct one with reference to the paint technical datasheets.
 - » Explain how the mixing of one or two-pack paint is to be carried out.
 - » To carry out spraying of paint on a test panel.
 - IMM PCT Level 1 (Blaster or Painter)**
 - For Blaster only:** Part 1- Surface preparation
 - » Identify the main parts of a setup blasting equipment.
 - » Identify the safety features of blasting equipment and explain its function.
 - » To carry out blasting on a test panel to SA 2½ standard.
 - OR
 - For Painter only:** Part 2 – Painting
 - » Identify the main parts of airless spray equipment.
 - » Identify and explain the safety features of an airless spray gun.
 - » Show how to check that the one or two-pack paint is the correct one with reference to the paint technical datasheets.
 - » Explain how the mixing of one or two-pack paint is to be carried out.
 - » To carry out spraying of paint on a test panel.

Examination duration

Theory: 1 hour for both Parts 1 and 2 OR ½ hour for Part 1 or Part 2

Practical: 5 hours for both Parts 1 and 2 OR 2 ½ hours for Part 1 or Part 2

Examination fee

As specified on the IMM website.

Candidate's criteria

Candidate should have

- Minimum academic qualification - SPM or equivalent* OR
- 2 years of blasting and/or painting experience. Candidate with less than 2 years' experience must submit a testimonial from an employer or client to demonstrate their eligibility OR
- IMM Certified B1B2 Assistant Blaster and/or Painter with a minimum of 1 year experience in blasting and/or painting OR

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

- IMM Certified Blaster (L1) who has acquired coating skills and wishes to sit for the Painter assessment must submit a record (a testimonial from employer or client) prior to the examination showing proof of his/her experience over a twelve (12)-month period. The same procedure applies to IMM Certified Painter (L1) who wishes to sit for the Blaster assessment.

*Candidate who fulfills the minimum academic qualification but without blasting and/or painting experience is considered as a candidate without experience.

Pre-requisite training

A candidate without experience is required to attend IMM approved/recognized Protective Coating Technician (Blaster and/or Painter) training course with a minimum duration of 4 days (32 hours) which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend an IMM approved/recognized Protective Coating Technician (Blaster and/or Painter) training course for examination preparation and scheme alignment.

Note: Evidence of training completion (where applicable) shall be submitted to the IMM prior to examination approval.

Criteria for certification

The candidate must be successful in each of the following:

- Minimum pass mark of 70% each of Part 1 and/or Part 2 in the theory examination.
- Minimum pass mark of 70% each of Part 1 and/or Part 2 in the practical assessment.

Certificate awarded

- **IMM Certified Protective Coating Technician Level 2 (Multi-skill)**
[If the candidate is successful in all parts of the Blaster and Painter examination]
- **IMM Certified Protective Coating Technician Level 1 (Blaster) OR
IMM Certified Protective Coating Technician Level 1 (Painter)**
[If the candidate is successful in either Surface Preparation (Blaster) or Painter Assessment only]

Validity period of certificate

5 years

Re-sit of examination

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

Information on re-certification

Candidates may submit a recertification application up to six (6) months before or within six (6) months after the certificate expiry date. Applications submitted within this period will be processed as usual and may require attendance at a refresher course, if applicable.

Applications submitted more than six (6) months after the certificate expiry date require the candidate to:

- Attend the refresher course, if applicable; and
- Retake the certification examination, regardless of work experience.

Candidates may apply to renew their certification for an additional five (5) years within six (6) months prior to the expiry of the certification period (after either the initial 5-year certification or the subsequent 5-year renewal) by:

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

- Providing proof to IMM of employment in a related field; and
- Attending the refresher course, if applicable.

Candidates who have been out of the profession for more than eighteen (18) months at any point during a 5-year certification or recertification period must retake the certification examination.

IMM Coating Training Course

Certified Protective Coating Technician Refresher Course

Code: PCTR

HRDF claimable

Protective Coating Technician Level 1 and/or Level 2 has a 5-year certification validity followed by another 5-year re-certification period. As a result, after 10 years, the certification needs to be renewed. Hence, the Refresher Course of IMM Certified Protective Coating Technician Level 1/Level 2 is designed to ensure that the certified technicians keep their knowledge up-to-date when applying for re-certification. This refresher course is designed to update blasters and painters on surface preparation and paint application.

Reference standards (reference used shall refer to the latest published document):

- ISO 8501-1: Preparation of Steel Substrates Before Application of Paints and Related Products - Visual Assessment of Surface Cleanliness - Part 1: Rust Grades and Preparation Grades of Uncoated Steel Substrates and of Steel Substrates After Overall Removal of Previous Coatings
- SSPC PA-1: Shop, Field, and Maintenance Coating of Metals

Who should apply

The program is suitable for certified blasters and/or painters whose certification is about to expire.

Objective

This program aims to serve as a useful refresher course for the experienced blasters and/or sprayers who want to be re-certified.

Course topics

- Understanding corrosion types, factors affecting corrosion and effects of corrosion (Level 1 – Blaster; Level 1 – Painter; Level 2 – Multi-skill)
- Standards and paint materials data sheets (Level 1 – Blaster; Level 1 – Painter; Level 2 – Multi-skill)
- Composition and important types of paints (Level 1 – Blaster; Level 1 – Painter; Level 2 – Multi-skill)
- Surface preparation and related techniques (Level 1 – Blaster; Level 2 – Multi-skill)
- Application of paints (Level 1 – Painter; Level 2 – Multi-skill)
- Paint faults and coating defects (Level 1 – Blaster; Level 1 – Painter; Level 2 – Multi-skill)
- Quality assurance checks (Level 1 – Blaster; Level 1 – Painter; Level 2 – Multi-skill)
- Health, safety and environment – hazards, safety features and preventive measures (Level 1 – Blaster; Level 1 – Painter; Level 2 – Multi-skill)
- About coating fingerprinting (Level 1 – Blaster; Level 1 – Painter; Level 2 – Multi-skill)

Course duration

One day

Candidate's criteria

Candidate shall possess IMM Protective Coating Technician Level 1 or Level 2. This course is mandatory for all certified individuals undergoing re-certification and serves as a prerequisite for re-certification by IMM, regardless of whether it occurs after 5 or 10 years of certification.

Certificate awarded

Certificate of attendance

Validity period of certificate

1 year

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Information on re-certification

The candidate is eligible for re-certification within 1 year of attendance subject to the following conditions being met:

- providing proof to IMM that he/she has been employed in a related profession; and
- providing proof of attendance to the refresher course.

The candidate must re-sit the certification examination if he/she has been out of the profession for more than 18 months continuously during the certification/re-certification period.

IMM Coating Certification Scheme

Certified Blasting and Painting Supervisor

Code: BPS

HRDF claimable

There is an increasing demand for trained blasters and painters qualified to undertake the additional responsibilities of supervisor in blasting and painting. This course is to upgrade these blasters and painters who wish to gain advanced skills in surface preparation and paint application quality for the Blasting and Painting Supervisor

Reference standards (reference used shall refer to the latest published document):

- TBA

Who should apply

Blasting and Painting supervisor and Blasters and Painters who wish to upgrade their knowledge and skills to another level of competency.

Objectives

To assess the following knowledge and skills:

- To understand how protective coating can effectively control corrosion
- To ensure surface preparation is properly carried out
- To ensure proper application of paints and awareness of coating defects
- Understanding the role of the Blasting and Painting Supervisor

Examination topics

- Fundamentals of protective coating for corrosion protection
- Surface preparation good practice control, coating handling and application
- Coating degradation, defects and failures
- Conversion and calculation
- Health, safety and environment issue
- Role and responsibilities
- Human relations

Examination format

Written examination – 25 multiple choice questions

Examination duration

1 hour

Examination fee

As specified on the IMM website.

Candidate's criteria

Candidate should have Certified Protective Coating Technician Level 2 (Multi-Skill) with working experience.

Pre-requisite training

A candidate without experience is required to attend IMM approved/recognized Blasting and Painting Supervisor training course with a minimum duration of 1 day (8 hours) which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend an IMM approved/recognized Blasting and Painting Supervisor training course for examination preparation and scheme alignment.

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Note: Evidence of training completion (where applicable) shall be submitted to the IMM prior to examination approval.

Criteria for certification

Pass in the written examination with a minimum 70%

Certificate awarded

IMM Certified Blasting and Painting Supervisor

Validity period of certificate

5 years

Re-sit of examination

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

Information on re-certification

Candidates may submit a recertification application up to six (6) months before or within six (6) months after the certificate expiry date. Applications submitted within this period will be processed as usual and may require attendance at a refresher course, if applicable.

Applications submitted more than six (6) months after the certificate expiry date require the candidate to:

- Attend the refresher course, if applicable; and
- Retake the certification examination, regardless of work experience.

Candidates may apply to renew their certification for an additional five (5) years within six (6) months prior to the expiry of the certification period (after either the initial 5-year certification or the subsequent 5-year renewal) by:

- Providing proof to IMM of employment in a related field; and
- Attending the refresher course, if applicable.

Candidates who have been out of the profession for more than eighteen (18) months at any point during a 5-year certification or recertification period must retake the certification examination.

IMM Coating Certification Scheme

Certified Coating Inspector Level 1

Code: CIL1

HRDF claimable

This program covers the technical and practical fundamentals of coating inspection work. The Coating Inspector Level 1 certification program is established to certify the competency of individuals equipped with the knowledge and skills in coating inspection.

Reference standards (reference used shall refer to the latest published document):

- ASTM D 1186-87: Non Destructive Measurement of Dry Film Thickness of Non Magnetic Coatings Applied to a Ferrous Base
- ASTM D 610: Evaluation Degree of Rusting on Painted Steel Surfaces
- ISO 8501-1: Preparation of Steel Substrates Before Application of Paint and Related Products – Visual Assessment of Surface Cleanliness
- ISO 8509: Tests for the Assessment of Surface Cleanliness
- MS 2736 (previously known as IMM FP01): Coating Fingerprinting Overall Procedures for Paints Using FTIR and Other Related Methods

Who should apply

The program is suitable for candidates with or without experience in industrial painting or inspection and will also be applicable to those who require knowledge of painting inspection such as painting inspector, painting supervisor, technicians, specifiers, and engineers who have been trained and/or have experience in coatings inspection and desire to be certified for career advancement.

Objectives

To assess the following knowledge and skills:

- Specify protective paint/coating system to a variety of substrates
- Supervise the preparation of substrates prior to painting
- Supervise the application of paint coatings
- Conduct inspections to satisfy clients/industry & government standards
- Diagnose and rectify faults in paint coatings and communicate in written form

Examination topics

- Introduction to corrosion
- Composition & manufacture of paints; and paint fingerprinting
- Types of paint and their use
- Surface preparation
- Application and storage of paint
- Paint faults and coating defects
- Test and measurement instrumentation
- Safety and health
- The role of the coating inspector
- Coating project specifications
- Codes and standards

Examination format

The examination consists of 20 true/false questions and 90 multiple choice questions.

The questions are based on the above examination topics and include the assessment of understanding the practical aspects of the use of inspection tools and visual inspection.

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Examination duration

2 hours 30 minutes

Examination fee

As specified on the IMM website.

Candidate's criteria

Candidate should have

- Pass in SPM with at least 2 years of relevant work experience OR
- Diploma or Degree in equivalent Science/Engineering related field OR
- Valid IMM Certified Protective Coating Technician Level 2 (Multi-skill) qualification or equivalent; OR
- Attended relevant academic Coating Inspection Course dedicated to the IMM Coating Inspector Level 1 Certification with at least 3 months of practical experience in painting technology.

Pre-requisite training

A candidate without experience is required to attend IMM approved/recognized Coating Inspector Level 1 training course with a minimum duration of 3.5 days (28 hours) which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend an IMM approved/recognized Coating Inspector Level 1 training course for examination preparation and scheme alignment.

Note: Evidence of training completion (where applicable) shall be submitted to the IMM prior to examination approval.

Criteria for certification

The candidate must pass the examination with a minimum total mark of 70%.

Certificate awarded

IMM Certified Coating Inspector Level 1

Validity period of certificate

5 years

Re-sit of examination

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

Information on re-certification

Candidates may submit a recertification application up to six (6) months before or within six (6) months after the certificate expiry date. Applications submitted within this period will be processed as usual and may require attendance at a refresher course, if applicable.

Applications submitted more than six (6) months after the certificate expiry date require the candidate to:

- Attend the refresher course, if applicable; and
- Retake the certification examination, regardless of work experience.

Candidates may apply to renew their certification for an additional five (5) years within six (6) months prior to the expiry of the certification period (after either the initial 5-year certification or the subsequent 5-year renewal) by:

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

- Providing proof to IMM of employment in a related field; and
- Attending the refresher course, if applicable.

Candidates who have been out of the profession for more than eighteen (18) months at any point during a 5-year certification or recertification period must retake the certification examination.

IMM Coating Certification Scheme

Certified Coating Inspector Level 2

Code: CIL2

HRDF claimable

IMM offers the Coating Inspector Level 2 certification program to broaden the technical knowledge and perform inspection analysis and monitoring in a structured and systematic inspection diagnostic.

Reference standards (reference used shall refer to the latest published document):

- ASTM D 1186-87: Non Destructive Measurement of Dry Film Thickness of Non Magnetic Coatings Applied to a Ferrous Base
- ASTM D 3359-87: Measuring Adhesion by Tape Test
- ASTM D 4541-95: Pull-Off Strength of Coatings by Portable Adhesion Testers
- ASTM D 5162-91: Discontinuity (holiday) Testing of Non-Conductive Protective Coating on Metallic Substrates
- ASTM D 610: Evaluation Degree of Rusting on Painted Steel Surfaces
- ASTM D 6677: Standard Test Method for Evaluating Adhesion by Knife
- ISO 8501-1: Preparation of Steel Substrates Before Application of Paint and Related Products – Visual Assessment of Surface Cleanliness
- ISO 8509: Tests for the Assessment of Surface Cleanliness
- MS 2736 (previously known as IMM FP01): Coating Fingerprinting Overall Procedures for Paints Using FTIR and Other Related Methods

Who should apply

The program is suitable for candidate who has already been certified as Coating Inspector Level 1 or others with equivalent qualification.

Objectives

To access the following knowledge and skills:

- Specify protective paint/coating system to a variety of substrates
- Supervise the preparation of substrates prior to painting
- Supervise the application of paint coatings
- Conduct inspections to satisfy clients/industry & government standards
- Diagnose and rectify faults in paint coatings and communicate in written form

Examination topics

- Corrosion theory and terminology
- Advance surface preparation
- Advance paint faults and coating defects test
- Measuring instrument/inspection – Diagnose failure
- Composition & manufacture of paints
- Application & storage of paints
- The role of a coating inspector/inspection test plan
- Painting specification
- Calculation/mathematics
- Safety and health

Examination format

The examination consists of 3 sections to be conducted over 1 full day.

- Paper 1 consists of 10 multiple choice questions (1 mark each) and 6 subjective questions (10 marks each).

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

- Paper 2 consists of 4 practical questions (10 marks each)
- Paper 3 is the oral examination (25 marks) whereby each candidate will be interviewed individually.

Examination duration

Paper 1 - 3 hours

Paper 2 - 2 hours

Paper 3 - 30 minutes

The oral examination may be conducted in parallel with the practical session.

Examination fee

As specified on the IMM website.

Candidate's criteria

Candidate should have

- Minimum six (6) months of documented working experience after obtaining IMM Coating Inspector Level 1 certification or equivalent qualifications OR
- Attended relevant academic Coating Inspection Course dedicated to the IMM Coating Inspector Level 1 Certification with at least 6 months of practical field experience in coating inspection.

Pre-requisite training

A candidate without experience is required to attend IMM approved/recognized Coating Inspector Level 2 training course with a minimum duration of 1 day (8 hours) which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend an IMM approved/recognized Coating Inspector Level 2 training course for examination preparation and scheme alignment.

Note: Evidence of training completion (where applicable) shall be submitted to the IMM prior to examination approval.

Criteria for certification

The candidate must pass the examination with a minimum mark of 70% for each paper.

Certificate awarded

IMM Certified Coating Inspector Level 2

Validity period of certificate

5 years

Re-sit of examination

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

Information on re-certification

Candidates may submit a recertification application up to six (6) months before or within six (6) months after the certificate expiry date. Applications submitted within this period will be processed as usual and may require attendance at a refresher course, if applicable.

Applications submitted more than six (6) months after the certificate expiry date require the candidate to:

- Attend the refresher course, if applicable; and

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

- Retake the certification examination, regardless of work experience.

Candidates may apply to renew their certification for an additional five (5) years within six (6) months prior to the expiry of the certification period (after either the initial 5-year certification or the subsequent 5-year renewal) by:

- Providing proof to IMM of employment in a related field; and
- Attending the refresher course, if applicable.

Candidates who have been out of the profession for more than eighteen (18) months at any point during a 5-year certification or recertification period must retake the certification examination.

IMM Coating Training Course

Certified Coating Inspector Refresher Course

Code: CIR

HRDF claimable

Coating Inspector Level 1 or Level 2 has a 5-year certification validity followed by another 5-year re-certification period. As a result, after 10 years, the certification needs to be renewed. Hence, the Refresher Course of IMM Certified Coating Inspector is designed to ensure that the coating inspectors keep their knowledge up-to-date. While many of the inspectors will carry out numerous important inspections in their work, it is very likely they were not re-trained for all the topics covered in Coating Inspector Level 1 or Level 2 course.

Reference standards (reference used shall refer to the latest published document):

- ASTM D 1186-87: Non Destructive Measurement of Dry Film Thickness of Non Magnetic Coatings Applied to a Ferrous Base
- ASTM D 3359-87: Measuring Adhesion by Tape Test
- ASTM D 4541-95: Pull-Off Strength of Coatings by Portable Adhesion Testers
- ASTM D 5162-91: Discontinuity (holiday) Testing of Non Conductive Protective Coating on Metallic Substrates
- ASTM D 610: Evaluation Degree of Rusting on Painted Steel Surfaces
- ASTM D 6677: Standard Test Method for Evaluating Adhesion by Knife
- ISO 8501-1: Preparation of Steel Substrates Before Application of Paint and Related Products – Visual Assessment of Surface Cleanliness
- ISO 8509: Tests for the Assessment of Surface Cleanliness
- MS 2736 (previously known as IMM FP01): Coating Fingerprinting Overall Procedures for Paints Using FTIR and Other Related Methods

Who should apply

For IMM Certified Coating Inspectors Level 1 or Level 2 who are applying for re-certification.

Objectives

The objective of this refresher course is to review and revise the topics and to provide up-to-date knowledge and skills required in conducting quality inspections on coatings.

Course topics

- Introduction to corrosion
- Components of paints and paint manufacturing
- Important types of paints and their use
- Surface preparation
- Application and storage of paint
- Paint faults and coating defects
- Tests and measurement instrumentation
- Safety and health
- The Coating Inspector
- Coating project specifications
- New paint technology
- Coating fingerprinting

Course duration

One day

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Candidate's criteria

Candidate shall possess IMM Coating Inspector Level 1 or Level 2. This course is mandatory for all certified individuals undergoing re-certification and serves as a prerequisite for re-certification by IMM, regardless of whether it occurs after 5 or 10 years of certification.

Certificate awarded

Certificate of attendance

Validity period of certificate

1 year

Information on re-certification

The candidate is eligible for re-certification within 1 year of attendance subject to the following conditions being met:

- providing proof to IMM that he/she has been employed in a related profession; and
- providing proof of attendance to the refresher course.

The candidate must re-sit the certification examination if he/she has been out of the profession for more than 18 months continuously during the certification/re-certification period.

IMM Coating Certification Scheme

Certified Coating Quality Control Technician

Code: CQCT

HRDF claimable

IMM Certified Coating Quality Control Technician (Quality Control and Quality Assurance) course is mainly targeting candidates on the technician level before they can proceed to the inspector level. Graduate of the program will acquire a Certificate of IMM Certified Coating Quality Control Technician issued by IMM.

This is an intensive training program of basic functions of quality control of surface preparation, coating types & failure and inspection knowledge and criteria.

Reference standards (reference used shall refer to the latest published document):

- TBA

Who should apply

Blasting and Painting Technician and Supervisor who wish to upgrade their knowledge and skills to another level of competency.

Objectives

To assess the following knowledge and skills:

- Surface knowledge on QA QC related to surface preparation, coating types & failure and inspection knowledge and criteria.
- To cater the needs for getting broader knowledge in the inspection.

Examination topics

- QC vs QA
- Monitoring environmental conditional
- Reference standards and codes
- Pre-cleaning inspection and inspection (tools, method and sequence)
- Surface preparation
- Coating materials and handling practices
- Application procedure
- Materials traceability
- Repairs and remedial coating work
- Documentation and compiling accurate reports
- Recommendation

Examination format

Written examination – 25 multiple choice questions

Examination duration

1 hour 30 minutes

Examination fee

As specified on the IMM website.

Candidate's criteria

No previous experience required.

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Pre-requisite training

A candidate without experience is required to attend IMM approved/recognized Coating Quality Control Technician training course with a minimum duration of 1 day (8 hours) which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend an IMM approved/recognized Coating Quality Control Technician training course for examination preparation and scheme alignment.

Note: Evidence of training completion (where applicable) shall be submitted to the IMM prior to examination approval.

Criteria for certification

Pass in the written paper with a minimum 70%

Certificate awarded

IMM Certified Coating Quality Control Technician

Validity period of certificate

5 years

Re-sit of examination

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

Information on re-certification

6 months prior to the expiry of certification (at the end of the 5th year of certification), the candidate can apply for re-certification for another 5 years by providing proof to IMM that he/she has been employed in a related profession.

Prior to the expiry of the 5-year re-certification (at the end of the 10th year of certification), the candidate can continue to be certified for a further 5-year period by

- providing proof to IMM that he/she has been employed in a related profession; and
- attending the relevant Refresher Course for certification (if any).

The candidate must re-sit the certification examination if he/she has been out of the profession for more than 18 months continuously.

IMM Coating Certification Scheme

Certified Thermal Spray Coating Applicator

Code: TSCA

HRDF claimable

The use of protective coatings for corrosion prevention has grown rapidly during the past decade and thermal spray coating (or "metallizing") represents the significant portion of the growth.

Thermal spray coating (TSC) has been used for steel structures for many years in various industrial applications for corrosion control, wear control, metal body repair, and hard surfacing. In the corrosion industry, TSC has proved performance of over 15 years in harsh corrosive environments. As for engineering application, TSC systems such as metallic coating and ceramic coating are widely used in reclaiming and protecting components in the power, oil & gas, marine and general industries. TSC systems include flame-spray, arc-spray, plasma spray, high-velocity oxygen fuel spray etc. To ensure high quality, efficient and cost-effective implementation of thermal spray coatings works, skilled applicators are quintessential.

Reference standards (reference used shall refer to the latest published document):

- ISO 14918: Thermal Spraying - Qualification Testing of Thermal Sprayers
- NACE NO.12/AWS C2.23M/SSPC CS-23: Standard Practice - Specification for the Application of Thermal Spray Coatings (Metallizing) of Aluminum, Zinc, and their Alloys and Composites for the Corrosion Protection of Steel

Who should apply

This program is for those in the field of coating who desire to understand and learn the increasing use of thermal spray coating in the fight against corrosion. It is recommended for

- Certified IMM Protective Coating Technician who wish to upskill to become thermal sprayers.
- Those with any other recognised coating certification such as AMPP or equivalent.
- Experienced thermal sprayer who does not have proper skills certification.

Objectives

To assess the following knowledge and skills:

- Understanding the physical principles of thermal spraying
- Knowing the features and benefits of the different thermal spray processes
- Identifying applicable testing methods and currently accepted industrial practices used for quality control of coatings.
- Able to judge the influence of the operating parameters on the coating properties

Examination topics

- Fundamentals of thermal spray coatings
- Surface preparation
- Thermal spray coating application methods
- Common thermal spray coating defects and remedy
- Quality inspection checks and tools for thermal spray coating
- Health, safety and environment precautions

A 2-hour pre-assessment briefing will be conducted prior to the theory examination.

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Examination format

The candidate will be assessed over two days on both practical and knowledge skills via a hands-on practical assessment and a written examination.

- Day 1 and Day 2: Practical assessment
- Day 2: Written examination – consisting of 40 multiple choice questions

For the practical assessment, each candidate will be orally and physically tested on knowledge of equipment and requirements of applying thermal spray coatings on the following topics:

- Personal protective equipment
- Thermal spray coatings specifications knowledge
- Environmental conditions check
- Steel surface conditions check
- Surrounding protection
- Air compressor set-up
- Spray equipment set-up
- Spray gun knowledge
- Thermal spray coatings application process
- Quality control test results

Examination duration

Day 1: Practical assessment

Day 2: Pre-assessment briefing, theory examination and conduct adhesion tests

Examination fee

As specified on the IMM website.

Candidate's criteria

Candidate should have

- Minimum academic qualification - SPM or equivalent* OR
- Knowledge and experience in application of thermal spray coatings with having performed at least one thermal spray coating job within the last one-year OR
- Certified IMM Protective Coating Technician Level 2 (Multi-skill) qualification or equivalent*; OR
- Knowledge and relevant working experience in 3G welding* OR
- Attended relevant academic Thermal Spray Coatings Course dedicated to the IMM Thermal Spray Coating Applicator Certification with at least 3 months of practical experience in painting technology.

*Candidate fulfills the minimum academic qualification or Certified IMM Protective Coating Technician Level 2 (Multi-skill) qualification or relevant working experience in 3G welding but without experience in application of thermal spray coatings is considered as candidate without experience.

Pre-requisite training

A candidate without experience is required to attend IMM approved/recognized Thermal Spray Coating Applicator training course with a minimum duration of 3 days (24 hours) which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend an IMM approved/recognized Thermal Spray Coating Applicator training course for examination preparation and scheme alignment.

Note: Evidence of training completion (where applicable) shall be submitted to the IMM prior to examination approval.

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Criteria for certification

Pass in both theory paper and practical assessment with a minimum 70% for each assessment.

Certificate awarded

IMM Certified Thermal Spray Coating Applicator

Validity period of certificate

5 years

Re-sit of examination

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

Information on re-certification

Candidates may submit a recertification application up to six (6) months before or within six (6) months after the certificate expiry date. Applications submitted within this period will be processed as usual and may require attendance at a refresher course, if applicable.

Applications submitted more than six (6) months after the certificate expiry date require the candidate to:

- Attend the refresher course, if applicable; and
- Retake the certification examination, regardless of work experience.

Candidates may apply to renew their certification for an additional five (5) years within six (6) months prior to the expiry of the certification period (after either the initial 5-year certification or the subsequent 5-year renewal) by:

- Providing proof to IMM of employment in a related field; and
- Attending the refresher course, if applicable.

Candidates who have been out of the profession for more than eighteen (18) months at any point during a 5-year certification or recertification period must retake the certification examination.

COATING FINGERPRINT PROGRAMS

IMM Coating Fingerprint Training Course

Coating Fingerprint Foundation Course

Code: FPF

HRDF claimable

The paint & coatings and oil & gas industries have initiated the requirement for a polymeric Coating Fingerprint Certificate (similar to a Mill Certificate for metals) to improve quality assurance and quality control. The authentication Fourier Transform Infra-Red (FTIR) analysis has been selected as the appropriate method to provide the requirement, in addition to other physical tests which are regularly conducted by the paint & coating manufacturers, for fingerprinting.

Reference standards (reference used shall refer to the latest published document):

- MS 2736 (previously known as IMM FP01), Coating Fingerprinting Overall Procedures for Paints Using FTIR and Other Related Methods
- IMM FP02, Paint Raw Material Overall Procedures Using FTIR and Other Related Methods
- IMM FP03, Dried Coating Fingerprinting Overall Procedures Using FTIR and Other Related Methods

Who should apply

Anyone interested in the topic and their applications including graduates with bachelor's degree through PhD level, researchers, chemists, engineers, physicists, or technicians from academia and industry who work in or are beginning to work in the field. Managers in this industry will greatly benefit from this overview lecture course.

Objectives

This course will equip the trainee with the knowledge and skills in FTIR analysis for authentication of coating fingerprinting, equipment, mechanics of the FTIR testing, appreciation of the strengths and limitations of FTIR method, interpretation & analysis of FTIR results, and exposure to FTIR sample analysis in the (virtual) classroom.

Course topics

- Premature coating failure
- Coating fingerprint certification
- Basic components of paints
- Infrared spectroscopy
- Sampling standards of materials
- FTIR analysis standard for protective coatings
- Basic introduction to FTIR hardware
- Basic application of FTIR software
- Generation of Reference FTIR spectrum
- Estimation of degree of similarity for samples
- Normal sensitivity compare vs high sensitivity compare functions
- Setting the threshold to reject or accept samples
- Macros basic workflow for FTIR software

Course duration

1 day

Examination format

Examination (quiz) of 20 multiple choice questions

Examination duration

20 minutes or less

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Candidate's criteria

No previous working experience required

Minimum academic qualification: SPM, SKM, SVM or equivalent

Certificate awarded

Certificate of attendance

Validity period of certificate

5 years for eligibility to sit for IMM Certified Coating Fingerprint Quality Controller Level 1 certification examination.

IMM Coating Fingerprint Certification Scheme

Certified Coating Fingerprint Quality Controller Level 1

Code: FP1

HRDF claimable

The oil & gas and petrochemical industries have implemented the requirements for Coating Fingerprint Certificate (equivalent to the Mill Certificate for Metals) for all the protective coatings and paints supplied to the industry operators. As such, paint manufacturers will be required to engage an IMM Certified Coating Fingerprint Quality Controller Level 2 (FP2) to conduct FTIR analysis and associated physical tests [*i.e.* the quality control tests (QC)] on paints to produce a Coating Fingerprint Certificate that ensures the batch-to-batch consistency of the paints supplied. An FP2 or higher will be engaged by the (sub-)contractors/auditors/owners to review the Coating Fingerprint Certificate submitted to the job site. Whereas, an IMM Certified Coating Fingerprint Quality Controller Level 1 (FP1) can be employed to carry out on-site authentication FTIR analysis on paints using mobile or handheld equipment for quality assurance (QA) purpose or an FP2 or higher to perform QA FTIR analysis in a 3rd-party laboratory.

NOTE:

Code: FP1 – inspector level

Code: FP2 – laboratory analyst and auditor level

Code: FP3 – professional technologist level (to be launched)

Reference standards (reference used shall refer to the latest published document):

- MS 2736 (previously known as IMM FP01), Coating Fingerprinting Overall Procedures for Paints Using FTIR and Other Related Methods
- IMM FP02, Paint Raw Material Overall Procedures Using FTIR and Other Related Methods
- IMM FP03, Dried Coating Fingerprinting Overall Procedures Using FTIR and Other Related Methods

Who should apply

This certification program (FP1) is for those who will be involved in conducting quality control and quality assurance on paints and coating systems such as quality assurance managers and supervisors for coating contractors, representatives of coating suppliers, end-client project supervisors and QA/QC personnel, analysts at testing laboratories, coating inspectors, paint factory chemists and assistant chemists, paint QC technicians *etc.* It will also be of interest to estimators, steel fabricators and structural engineers involved in designing or maintaining steel structures.

Objectives

The objective of this certification scheme (FP1 or higher) is to assess and certify personnel on the knowledge and skills required in conducting quality control and quality assurance on coating/paint systems. As a result, the Coating fingerprint (scheduled / random) monitoring report issued by the persons certified as IMM Coating Fingerprint Quality Controller Level 1 (FP1) will be recognized by both client and contractor. The coating Fingerprint Certificate shall be issued by the persons certified as IMM Coating Fingerprint Quality Controller Level 2 (FP2) or higher.

Examination topics

- Why do we need to fingerprint paints?
- IMM Coating Fingerprint Certification Scheme and the execution of Coating Fingerprint Certificate by coating manufacturer/supplier, 3rd-party testing laboratory, fabricator / (sub-)contractor, external auditor and end-user
- Preparation, review and validation of the Coating Fingerprint Certificate and the compulsory & optional appendices
- Basic components of protective coatings (*e.g.* solvent, resin, filler, pigments, additives *etc.*) for

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

- epoxy coatings, inorganic zinc coatings, organic-zinc coatings, polyurethane coatings *etc.*)
- Related physical analyses associated with protective coatings (*e.g.* viscosity, density, color code, non-volatile matter, weight solids for organic/inorganic-zinc coatings *etc.*)
- In-house and on-site / audit sampling standards for paints
- Standards for examine and prepare each sample for testing that can be adopted
- IMM Standards using the FTIR method for coating fingerprinting
- Basic introduction to FTIR hardware: desktop, mobile and handheld
- Attenuated total reflectance (ATR) principle
- Basic application of a FTIR software: desktop, mobile and handheld
- Generation of Reference FTIR spectrum before the qualification for new maintenance painting system and products for offshore application
- Estimation of degree of similarity for in-house/on-site sample FTIR spectrum with Reference FTIR spectrum
- Analyzing FTIR spectra using high sensitivity compare function of FTIR software for 2-pack epoxy paints

Examination format

Examination consists of 110 multiple choice questions

Examination duration

100 min or less

Examination fee

As specified on the IMM website.

Candidate's criteria

Candidate should have

- Attended the IMM Coating Fingerprint Foundation Course AND with a minimum 6-month related working experience* OR
- Certified as IMM Coating Inspector Level 2 or equivalent [*e.g.* Society for Protective Coatings (SSPC) Coating Inspector Level 2, NACE International Coating Inspector Level 2, the British Gas Approved Scheme (BGAS) Coating Inspector Level 2, the Norwegian Professional Council for Education and Certification of Inspectors for Surface Treatment (FROSIO) Coating Inspector Level 2, Institute of Corrosion (ICorr) Coating Inspector Level 2, Association for Certification and Qualification of Anticorrosive Paintwork (ACQPA) Coating Inspector Level 2 *etc.*]

*The related work experience can be before or after the IMM Coating Fingerprint Foundation Course.

Pre-requisite training

A candidate without experience is required to attend IMM approved/recognized Coating Fingerprint Quality Controller Level 1 training course with a minimum duration of 2 days (16 hours) which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend an IMM approved/recognized Coating Fingerprint Quality Controller Level 1 training course for examination preparation and scheme alignment.

Note: Evidence of training completion (where applicable) shall be submitted to the IMM prior to examination approval.

Criteria for certification

The candidate must pass the examination with a minimum total mark of 70%

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Certificate awarded

IMM Certified Coating Fingerprint Quality Controller Level 1 (FP1)

Candidate (FP1) will also be authorized to use the Coating Fingerprint Quality Controller Rubber Stamp (Figure 1) to issue an on-site Coating fingerprint (scheduled/random) monitoring report and; to receive & check the Coating Fingerprint Certificate.

Whereas, candidate (FP2 or higher) will also be authorized to use the Coating Fingerprint Quality Controller Rubber Stamp (Figure 1) in all documents and reports, including the Coating Fingerprint Certificate, in relation to coating fingerprinting to any person, company or authority in Malaysia.



Figure 1

Validity period of certificate

5 years

Re-sit of examination

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

Information on re-certification

Candidates may submit a recertification application up to six (6) months before or within six (6) months after the certificate expiry date. Applications submitted within this period will be processed as usual and may require attendance at a refresher course, if applicable.

Applications submitted more than six (6) months after the certificate expiry date require the candidate to:

- Attend the refresher course, if applicable; and
- Retake the certification examination, regardless of work experience.

Candidates may apply to renew their certification for an additional five (5) years within six (6) months prior to the expiry of the certification period (after either the initial 5-year certification or the subsequent 5-year renewal) by:

- Providing proof to IMM of employment in a related field; and
- Attending the refresher course, if applicable.

Candidates who have been out of the profession for more than eighteen (18) months at any point during a 5-year certification or recertification period must retake the certification examination.

IMM Coating Fingerprint Certification Scheme

Certified Coating Fingerprint Quality Controller Level 2

Code: FP2

HRDF claimable

The oil & gas and petrochemical industries have implemented the requirements for Coating Fingerprint Certificate (equivalent to the Mill Certificate for Metals) for all the protective coatings and paints supplied to the industry operators. As such, IMM Certified Coating Fingerprint Quality Controllers Level 2 (FP2) will be engaged by paint manufacturers, 3rd-party laboratories, (sub-)contractors, auditors and owners to prepare or to review Coating Fingerprint Certificate for quality assurance and quality control (QA & QC) purpose. This certification program (FP2) places special emphasis on the generation of a good Reference spectrum for in-house paint manufacturers and 3rd-party laboratories, which is very crucial for subsequent estimation of degree of similarity for batch-to-batch paint consistency. Besides, good practices of on-site inspection using mobile or handheld equipment, review of Coating Fingerprint Certificate and cross-checking of raw FTIR spectrum will be highlighted.

NOTE:

Code: FP1 – inspector level

Code: FP2 – laboratory analyst and auditor level

Code: FP3 – professional technologist level (to be launched)

Reference standards (reference used shall refer to the latest published document):

- MS 2736 (previously known as IMM FP01), Coating Fingerprinting Overall Procedures for Paints Using FTIR and Other Related Methods
- IMM FP02, Paint Raw Material Overall Procedures Using FTIR and Other Related Methods
- IMM FP03, Dried Coating Fingerprinting Overall Procedures Using FTIR and Other Related Methods

Who should apply

This certification program (FP2) is for those who will be involved in conducting quality assurance or quality control (QA/QC) on paints and coating systems, especially for analysts at testing laboratories (in-house and 3rd-party) as well as for internal and external auditors.

Objectives

The objective of this certification program (FP2) is to assess and certify IMM Certified Coating Fingerprint Quality Controllers Level 1 (FP1) on upgraded knowledge and skills in quality control and quality assurance on paints and coating systems. In addition, the persons certified as IMM Coating Fingerprint Quality Controller Level 2 (FP2) or higher shall issue the Coating Fingerprint Certificate. Whereas, IMM Coating Fingerprint Quality Controller Level 1 (FP1) should only issue a Coating fingerprint (scheduled / random) monitoring report for on-site analysis.

Examination topics

- IMM FTIR Analysis Standards, qualification and fingerprint certificates of raw materials, paints and dried coatings
- Sampling precautions in relation to FTIR fingerprinting for paints
- FTIR fingerprinting of raw materials for epoxy paint manufacturing
- Good practice for generation of Reference FTIR for Coating Fingerprint Certificate
- Good practice for sample storage, collection and analysis
- On-site inspection using mobile or handheld spectrophotometer
- Audit trail of a FTIR spectrum using FTIR software

Examination format

Examination consists of 60 multiple choice questions

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Examination duration

60 min or less

Examination fee

As specified on the IMM website.

Candidate's criteria

Candidate should have

- Valid IMM Certified Coating Fingerprint Quality Controller Level 1 certificate or equivalent with at least 6-month working experience on coating fingerprinting.

Pre-requisite training

A candidate without experience is required to attend IMM approved/recognized Coating Fingerprint Quality Controller Level 2 training course with a minimum duration of 1 day (8 hours) which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend an IMM approved/recognized Coating Fingerprint Quality Controller Level 2 training course for examination preparation and scheme alignment.

Note: Evidence of training completion (where applicable) shall be submitted to the IMM prior to examination approval.

Criteria for certification

The candidate must pass the examination with a minimum total mark of 70%.

Certificate awarded

IMM Certified Coating Fingerprint Quality Controller Level 2 (FP2)

Candidate (FP2 or higher) will also be authorized to use the Coating Fingerprint Quality Controller Rubber Stamp (Figure 1) in all documents and reports, including the Coating Fingerprint Certificate, in relation to coating fingerprinting to any person, company or authority in Malaysia.



Figure 1

Validity period of certificate

5 years

Re-sit of examination

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

Information on re-certification

Candidates may submit a recertification application up to six (6) months before or within six (6) months after the certificate expiry date. Applications submitted within this period will be processed as usual and may require attendance at a refresher course, if applicable.

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Applications submitted more than six (6) months after the certificate expiry date require the candidate to:

- Attend the refresher course, if applicable; and
- Retake the certification examination, regardless of work experience.

Candidates may apply to renew their certification for an additional five (5) years within six (6) months prior to the expiry of the certification period (after either the initial 5-year certification or the subsequent 5-year renewal) by:

- Providing proof to IMM of employment in a related field; and
- Attending the refresher course, if applicable.

Candidates who have been out of the profession for more than eighteen (18) months at any point during a 5-year certification or recertification period must retake the certification examination.

IMM Coating Fingerprint Training Course

Certified Coating Fingerprint Quality Controller Refresher Course

Code: FPR

HRDF claimable

This Coating Fingerprint Quality Controller Level 1 (FP1) or Level 2 (FP2) or Professional Level 3 (FP3) has a 5-year certification validity followed by another 5-year re-certification period. As a result, after 10 years, the certification needs to be renewed. Hence, the Refresher Course of IMM Certified Coating Fingerprint Quality Controller or Professional is designed to ensure that the quality controllers keep their knowledge up-to-date. While many of the quality controllers will carry out numerous important tests in their work, it is very likely they will not retrain for all the topics covered in Coating Fingerprint Quality Controller Level 1 or Level 2 or Professional Level 3 certification examinations. This refresher course is designed to review and revise the batch-to-batch consistency and authentication of paints using FTIR analysis.

Reference standards (reference used shall refer to the latest published document):

- MS 2736 (previously known as IMM FP01), Coating Fingerprinting Overall Procedures for Paints Using FTIR and Other Related Methods (to be migrated to Malaysian Standard)
- IMM FP02, Paint Raw Material Overall Procedures Using FTIR and Other Related Methods
- IMM FP03, Dried Coating Fingerprinting Overall Procedures Using FTIR and Other Related Methods

Who should apply

The program is suitable for IMM Certified Coating Fingerprint Quality Controller Level 1 or Level 2 or Professional Level 3 or IMM Certified Coating Fingerprint Trainer whose certification is about to expire.

Before the end of the 5-year re-certification period, the candidate must attend the Refresher Course to renew the certification. Prior to that, the candidate shall attend the Refresher Course for IMM Certified Coating Fingerprint Quality Controller or Certified Coating Fingerprint Trainer.

Objectives

This program aims to serve as a useful refresher course for IMM Certified Coating Fingerprint Quality Controller and/or IMM Certified Coating Fingerprint Trainer who want to be re-certified.

Course topics

- Preparation, review and validation of the Coating Fingerprint Certificate and the compulsory & optional appendices
- IMM FTIR Analysis Standards for protective coatings
- In-house and on-site FTIR testing for protective coatings
- Up-to-date introduction to FTIR hardware and software: desktop, mobile and handheld
- Generation of Reference FTIR spectrum before the qualification for new maintenance painting system and products for offshore application
- Estimation of the degree of similarity for in-house/on-site sample FTIR spectrum with Reference FTIR spectrum
- Rejection and acceptance of samples based on the threshold set using different Compare algorithms
- Interpretation of FTIR test results: in-house, 3rd-party laboratory and on-site

Course duration and mode

Half-day and may be conducted online.

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Candidate's criteria

Candidate shall possess IMM Certified Coating Fingerprint Quality Controller Level 1 or Level 2 or Professional Level 3 or IMM Certified Coating Fingerprint Trainer or equivalent. While this course is not mandatory for those who are being re-certified for the first time, the certified individual is encouraged to attend.

However, this course is mandatory at the expiry of the re-certification period (at the end of the 10th year of certification), for all certified individuals as a pre-requisite for re-certification by IMM.

Certificate awarded

Certificate of attendance

Validity period of certificate

1 year

Information on re-certification

The candidate is eligible for re-certification within 1 year of attendance subject to the following conditions being met:

- providing proof to IMM that he/she has been employed in a related profession; and
- providing proof of attendance to the refresher course.

The candidate must re-sit the certification examination if he/she has been out of the profession for more than 18 months continuously during the certification/re-certification period.



CORROSION PROGRAMS

IMM Corrosion Certification Scheme

Certified Corrosion Monitoring Practitioner Level 1

Code: CMP-1

HRDF claimable

This certification program will assess candidates who either have some experience, or have undergone training, in corrosion monitoring covering corrosion inhibition monitoring and cathodic protection monitoring.

Reference standards (reference used shall refer to the latest published document):

- ASTM E-797 Standard Practice for Measuring Thickness by Manual Ultrasonic Pulse-Echo Contact Method
- ASTM G96-90 Standard Guide for Online Monitoring of Corrosion in Plant Equipment (Electrical and Electrochemical Methods)
- IMM CM01: Corrosion Monitoring, Competency Levels of Corrosion Monitoring Persons: Basis for Certification Scheme
- ISO 15589-1: Petroleum, Petrochemical and Natural Gas Industries - Cathodic Protection of Pipeline Systems - Part 1: On-land Pipelines
- ISO 15589-2: Petroleum, Petrochemical and Natural Gas Industries - Cathodic Protection of Pipeline Transportation Systems - Part 2: Offshore Pipelines
- NACE 3T199 Techniques for Monitoring Corrosion and Related Parameters in Field Applications
- NACE SP0775 Preparation, Installation, Analysis and Interpretation of Corrosion Coupons in Oilfield Operations

Who should apply

This certification program is intended for all school-leavers, technicians, scientists, engineers, metallurgists, inspectors and inspection supervisors interested in corrosion monitoring and inspection and who wish to pursue a career as an IMM Certified Corrosion Monitoring Practitioner.

Objectives

This program will enable candidates to be assessed on their understanding of the key-points on corrosion inhibition and cathodic protection monitoring and process corrosion monitoring; to retrieve and change-out of coupons and probes; to carry out measurement and interpretation of corrosion rates; to use retrieval tools, service valves, back-pressure pumps and surge tubes; to conduct the cathodic protection monitoring and inspection techniques.

Examination topics

- Fundamental of corrosion
- Forms of corrosion
- Corrosion inhibition & preservation
- Corrosion control techniques (includes coatings)
- Corrosion monitoring techniques
- Corrosion monitoring probes & coupons
- Equipment installation & retrieval process
- Key points monitoring
- Ultrasonic thickness measurement - effectiveness and usage
- Cathodic protection principles
- Cathodic protection inspection techniques and surveys
- Standards and Codes of Practice
- Health, Safety & Environment considerations in corrosion monitoring activities
- Ethical and Professional Conduct
- Interpersonal skills

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Examination format

100 multiple choice questions

Examination duration

2 hours 30 minutes

Examination fee

As specified on the IMM website.

Candidate's criteria

Candidate should have

- Minimum academic qualification - SPM or equivalent* OR
- Attended relevant academic Corrosion Monitoring Practitioner dedicated to the IMM Corrosion Monitoring Practitioner Level 1 Certification with at least 6 months of field experience in Corrosion Monitoring work-scope from employer

NOTE: The applicant must pass the Eye Acuity Examination, with or without corrective lenses, to prove near vision acuity on Jaeger J2 at 12" or greater (≥ 30.5 cm). All applicants shall take a colour perception test.

*Candidate fulfills the minimum academic qualification but without field experience in Corrosion Monitoring work-scope is considered as a candidate without experience.

Pre-requisite training

A candidate without experience is required to attend IMM approved/recognized Corrosion Monitoring Practitioner Level 1 training course with a minimum duration of 3.5 days (28 hours) which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend an IMM approved/recognized Corrosion Monitoring Practitioner Level 1 training course for examination preparation and scheme alignment.

Note: Evidence of training completion (where applicable) shall be submitted to the IMM prior to examination approval.

Criteria for certification

Pass the examination with a minimum total mark of 70%

Certificate awarded

IMM Certified Corrosion Monitoring Practitioner Level 1.

Validity period of certificate

5 years

Re-sit of examination

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

Information on re-certification

Candidates may submit a recertification application up to six (6) months before or within six (6) months after the certificate expiry date. Applications submitted within this period will be processed as usual and may require attendance at a refresher course, if applicable.

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Applications submitted more than six (6) months after the certificate expiry date require the candidate to:

- Attend the refresher course, if applicable; and
- Retake the certification examination, regardless of work experience.

Candidates may apply to renew their certification for an additional five (5) years within six (6) months prior to the expiry of the certification period (after either the initial 5-year certification or the subsequent 5-year renewal) by:

- Providing proof to IMM of employment in a related field; and
- Attending the refresher course, if applicable.

Candidates who have been out of the profession for more than eighteen (18) months at any point during a 5-year certification or recertification period must retake the certification examination.

.

IMM Corrosion Certification Scheme

Certified Corrosion Monitoring Practitioner Level 2

Code: CMP-2

HRDF claimable

IMM Certified Corrosion Monitoring Practitioner Level 2 program will assess candidates who have passed IMM Corrosion Monitoring Practitioner Level 1 certification and have acquired at least 1 year of post-certification experience in corrosion inhibition monitoring and cathodic protection monitoring including coating defect surveys.

Reference standards (reference used shall refer to the latest published document):

- ASTM E-797 Standard Practice for Measuring Thickness by Manual Ultrasonic Pulse-Echo Contact Method
- ASTM G96-90 Standard Guide for Online Monitoring of Corrosion in Plant Equipment (Electrical and Electrochemical Methods)
- IMM CM01: Corrosion Monitoring, Competency Levels of Corrosion Monitoring Persons: Basis for Certification Scheme
- ISO 15589-1: Petroleum, Petrochemical and Natural Gas Industries - Cathodic Protection of Pipeline Systems - Part 1: On-land Pipelines
- ISO 15589-2: Petroleum, Petrochemical and Natural Gas Industries - Cathodic Protection of Pipeline Transportation Systems - Part 2: Offshore Pipelines
- NACE 3T199 Techniques for Monitoring Corrosion and Related Parameters in Field Applications
- NACE SP0775 Preparation, Installation, Analysis and Interpretation of Corrosion Coupons in Oilfield Operations

Who should apply

Holders of the IMM Certified Corrosion Monitoring Practitioner Level 1 Certification or those who meet the pre-requisites recognized by IMM in Tables A.1 & A.2 of Annex A in the IMM CM01 Standard.

Objectives

This program will enable candidates to be assessed on more advanced corrosion reactions in various environments, corrosion management database and how these are related to Asset Integrity and life extension of facilities as well as the utilization of corrosion inhibitor monitoring, cathodic protection monitoring.

Examination topics

- Corrosion mechanism and behavior in various environments.
- Site issues during offshore/onshore Ultrasonic Testing (UT) key point and process monitoring surveys.
- Laboratory tests (coupon weight loss measurement) related to corrosion monitoring.
- Pressurized retrieval and installation of probes and coupons.
- Understand the online non-intrusive corrosion monitoring equipment and setup
- Site issues relating to cathodic protection (CP) inspection and survey techniques.
- Interpretation of CP/process/key-point corrosion monitoring results.
- Standards and Codes of Practice.
- Health, Safety & Environment considerations in corrosion monitoring activities.
- Ethics and Professional Conduct.
- Interpersonal skills.

Examination format

Theory: 50 multiple choice questions

Practical Assessment:

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

1. Hands-on handling of corrosion monitoring equipment (probes and coupons)
2. Handling of pressurized retrieval tool
3. Handling of CP monitoring equipment
4. Ultrasonic Testing Thickness Gauge (UTTIG) calibration and measurement

Examination duration

Theory examination: 1 hour 30 minutes

Practical assessment: 4 hours

Examination fee

As specified on the IMM website.

Candidate's criteria

Candidate should have

- Passed IMM Certified Corrosion Monitoring Practitioner Level 1 with a minimum of 1 year field experience in corrosion inhibition monitoring, cathodic protection monitoring and coating defect surveys or meet the pre-requisites recognized by IMM in Tables A.1 & A.2 of Annex A in the IMM CM01 Standard AND
- The applicant must pass the Eye Acuity Examination, with or without corrective lenses, to prove near vision acuity on Jaeger J2 at 12" or greater (≥ 30.5 cm). All applicants shall take a colour perception test.

Pre-requisite training

A candidate without experience is required to attend IMM approved/recognized Corrosion Monitoring Practitioner Level 2 training course with a minimum duration of 4 days (32 hours) which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend an IMM approved/recognized Corrosion Monitoring Practitioner Level 2 training course for examination preparation and scheme alignment.

Note: Evidence of training completion (where applicable) shall be submitted to the IMM prior to examination approval.

Criteria for certification

Pass the examination with a minimum total mark of 70% for each assessment.

Certificate awarded

IMM Certified Corrosion Monitoring Practitioner Level 2

Validity period of certificate

5 years

Re-sit of examination

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

Information on re-certification

Candidates may submit a recertification application up to six (6) months before or within six (6) months after the certificate expiry date. Applications submitted within this period will be processed as usual and may require attendance at a refresher course, if applicable.

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Applications submitted more than six (6) months after the certificate expiry date require the candidate to:

- Attend the refresher course, if applicable; and
- Retake the certification examination, regardless of work experience.

Candidates may apply to renew their certification for an additional five (5) years within six (6) months prior to the expiry of the certification period (after either the initial 5-year certification or the subsequent 5-year renewal) by:

- Providing proof to IMM of employment in a related field; and
- Attending the refresher course, if applicable.

Candidates who have been out of the profession for more than eighteen (18) months at any point during a 5-year certification or recertification period must retake the certification examination.

IMM Corrosion Certification Scheme

Certified Corrosion Monitoring Practitioner Level 3

Code: CMP-3

HRDF claimable

IMM Certified Corrosion Monitoring Practitioner Level 3 program will assess candidates who have acquired the IMM Corrosion Monitoring Practitioner Level 2 Certification and have acquired at least 3 years of post-certification experience in corrosion inhibition monitoring and cathodic protection monitoring.

Reference standards (reference used shall refer to the latest published document):

- ASTM E-797 Standard Practice for Measuring Thickness by Manual Ultrasonic Pulse-Echo Contact Method
- ASTM G96-90 Standard Guide for Online Monitoring of Corrosion in Plant Equipment (Electrical and Electrochemical Methods)
- IMM CM01: Corrosion Monitoring, Competency Levels of Corrosion Monitoring Persons: Basis for Certification Scheme
- ISO 15589-1: Petroleum, Petrochemical and Natural Gas Industries - Cathodic Protection of Pipeline Systems - Part 1: On-land Pipelines
- ISO 15589-2: Petroleum, Petrochemical and Natural Gas Industries - Cathodic Protection of Pipeline Transportation Systems - Part 2: Offshore Pipelines
- NACE 3T199 Techniques for Monitoring Corrosion and Related Parameters in Field Applications
- NACE SP0775 Preparation, Installation, Analysis and Interpretation of Corrosion Coupons in Oilfield Operations

Who should apply

Holders of the IMM Certified Corrosion Monitoring Practitioner Level 2 Certification with sufficient work experience, who have met the pre-requisites recognized by IMM in Tables A.1 & A.2 of Annex A in the IMM CM01 Standard and has achieved the minimum years of corrosion inhibition monitoring and cathodic protection monitoring experience, plus having attended a relevant training course.

Objectives

This program is aimed to examine the knowledge and experience of the candidate who is expected to have acquired sufficient skills as a Corrosion Monitoring Practitioner in order for him to manage a team of corrosion monitoring technicians and supervisors as well as to communicate with the Stakeholders. He shall be examined not only in terms of technical knowledge and technical code-of-conduct and integrity, but also on his/her capabilities to manage a team of personnel under his/her wing.

Examination topics

- Corrosion and electrochemistry relevant to corrosion monitoring.
- Principles of corrosion inhibition and preservation.
- Corrosion monitoring techniques and measurements.
- Key-point corrosion monitoring techniques and measurements such as Ultrasonic Testing Thickness Gauge and other specialized corrosion monitoring methods.
- Corrosion and electrochemistry relevant to cathodic protection.
- Principles of cathodic protection and coatings relevant to corrosion monitoring.
- Monitoring techniques for cathodic protection systems, including AC and DC techniques.
- Standards and Codes of Practice in the relevant application sector.
- Health, Safety and Environmental issues relating to corrosion monitoring tasks.
- Code of Ethics and Professional Conduct of all corrosion monitoring persons.
- Interpersonal communication skills.
- Report writing and technical analytical skills relating to process corrosion monitoring and cathodic protection monitoring.

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Examination format

Writing technical analysis reports of 2 case studies

Oral Interview

Examination duration

Writing technical analysis reports of 2 case studies: 1 hour

Oral interview: 2 hours

Examination fee

As specified on the IMM website.

Candidate's criteria

Candidate should have

- Passed IMM Certified Corrosion Monitoring Practitioner Level 2 and shall show proof of having attended a minimum total of 5 days of IMM approved/recognized training course in corrosion monitoring within the last 3 years prior to this application OR
- Passed IMM Certified Corrosion Monitoring Practitioner Level 2 who has achieved the minimum years of corrosion monitoring experience listed in Tables A.2 of Annex A in the IMM CM01 Standard OR
- Submit (with application in advance) his/her latest record of work experience with copies of actual work done in the field of process corrosion monitoring, key-point corrosion monitoring and cathodic protection monitoring, endorsed by the candidate's superiors or clients. Number of years for the work record experience as per Table A.2 of Annex A in the IMM CM01 Standard OR
- Submit a testimonial of their total work experience in corrosion monitoring with details of employment dates, scope of work performed, and proof of continuous corrosion monitoring work without any lapse of more than 18 months. The testimonial must be endorsed by their latest employer or a representative from their client

NOTE: The applicant must pass the Eye Acuity Examination, with or without corrective lenses, to prove near vision acuity on Jaeger J2 at 12" or greater (≥ 30.5 cm). All applicants shall take a colour perception test.

Pre-requisite training

A candidate without experience is required to attend IMM approved/recognized Corrosion Monitoring Practitioner Level 3 training course with a minimum duration of 5 days (40 hours) which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend an IMM approved/recognized Corrosion Monitoring Practitioner Level 3 training course for examination preparation and scheme alignment.

Note: Evidence of training completion (where applicable) shall be submitted to the IMM prior to examination approval.

Criteria for certification

Pass the examination with a minimum total mark of 70% for each assessment.

Certificate awarded

IMM Certified Corrosion Monitoring Practitioner Level 3

Validity period of certificate

5 years

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Re-sit of examination

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

Information on re-certification

Candidates may submit a recertification application up to six (6) months before or within six (6) months after the certificate expiry date. Applications submitted within this period will be processed as usual and may require attendance at a refresher course, if applicable.

Applications submitted more than six (6) months after the certificate expiry date require the candidate to:

- Attend the refresher course, if applicable; and
- Retake the certification examination, regardless of work experience.

Candidates may apply to renew their certification for an additional five (5) years within six (6) months prior to the expiry of the certification period (after either the initial 5-year certification or the subsequent 5-year renewal) by:

- Providing proof to IMM of employment in a related field; and
- Attending the refresher course, if applicable.

Candidates who have been out of the profession for more than eighteen (18) months at any point during a 5-year certification or recertification period must retake the certification examination.

IMM Corrosion Certification Scheme

Certified Cathodic Protection Practitioner Level 1

Code: CPP1

HRDF claimable

This certification program covers the technical and practical fundamentals of the theoretical knowledge and practical techniques on cathodic protection required from a Cathodic Protection tester. The Cathodic Protection Practitioner Level 1 certification program is established to certify the competency of individuals equipped with the knowledge and skills in cathodic protection, understanding of installation, testing and commissioning of cathodic protection (CP) systems. This Level 1 certified personnel shall perform routine inspection, testing and monitoring tasks under the supervision of the Level 2 Certified Cathodic Protection Practitioner Level 2.

Reference standards (reference used shall refer to the latest published document):

- DNV-RP-B401: Cathodic Protection Design
- ISO 15257: Cathodic Protection - Competence Levels of Cathodic Protection Persons - Basis for a Certification Scheme
- ISO 15589-1: Petroleum, Petrochemical and Natural Gas Industries - Cathodic Protection of Pipeline Systems - Part 1: On-land Pipelines
- ISO 15589-2: Petroleum, Petrochemical and Natural Gas Industries - Cathodic Protection of Pipeline Transportation Systems - Part 2: Offshore Pipelines
- NACE SP0169: Control of External Corrosion on Underground or Submerged Metallic Piping Systems

Who should apply

School-leavers, technicians, fresh graduate scientists and engineers having interest or already involved in cathodic protection systems and corrosion management and control, who have undergone sufficient basic training in this field.

Objectives

To access the following knowledge and skills in:

- CP electrical measurements
- CP system inspection and monitoring
- CP installations
- CP pipeline surveys

Examination topics

- Electricity relevant to CP applications and measurements
- Corrosion, electrochemistry and coatings relevant to CP
- Theory, principles and criteria of CP
- Requirements related to the application of CP
- Application methods of CP, galvanic anodes, impressed current
- CP Measurements and test procedures
- Relevance of voltage gradient errors and influence on the structure to electrolyte potential measurement
- Factors influencing the correct selection of reference electrodes for potential measurements
- Effects of excessive CP on coatings, high-yield strength steels and corrosion-resistant alloys
- Diagnostics of CP systems
- Interference conditions (alternating current and direct current)

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

- Standards and Codes of Practice relevant in CP practices.
- Health, Safety and Environmental issues relating to CP practices.
- Code of Ethics and Professional Conduct of all CP persons.
- Interpersonal communication skills.

Examination format

This open-book examination consists of 100 multiple choice questions.

Candidates can bring in their training manual and other textbooks plus a calculator.

Examination duration

Total 3 hours

Examination fee

As specified on the IMM website.

Candidate's criteria

Candidate should have

- Minimum academic qualification - SPM or equivalent* OR
- Attended relevant academic Cathodic Protection Practitioner dedicated to the IMM Cathodic Protection Practitioner Level 1 Certification with at least 3 months of practical field experience in cathodic protection.

*Candidate fulfills the minimum academic qualification but without experience in cathodic protection technology is considered as a candidate without experience.

Pre-requisite training

A candidate without experience is required to attend IMM approved/recognized Cathodic Protection Practitioner Level 1 training course with a minimum duration of 3.5 days (28 hours) which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend an IMM approved/recognized Cathodic Protection Practitioner Level 1 training course for examination preparation and scheme alignment.

Note: Evidence of training completion (where applicable) shall be submitted to the IMM prior to examination approval.

Criteria for certification

Pass the examination with a minimum total mark of 70%

Certificate awarded

IMM Certified Cathodic Protection Practitioner Level 1

Validity period of certificate

5 years

Re-sit of examination

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Information on re-certification

Candidates may submit a recertification application up to six (6) months before or within six (6) months after the certificate expiry date. Applications submitted within this period will be processed as usual and may require attendance at a refresher course, if applicable.

Applications submitted more than six (6) months after the certificate expiry date require the candidate to:

- Attend the refresher course, if applicable; and
- Retake the certification examination, regardless of work experience.

Candidates may apply to renew their certification for an additional five (5) years within six (6) months prior to the expiry of the certification period (after either the initial 5-year certification or the subsequent 5-year renewal) by:

- Providing proof to IMM of employment in a related field; and
- Attending the refresher course, if applicable.

Candidates who have been out of the profession for more than eighteen (18) months at any point during a 5-year certification or recertification period must retake the certification examination.

IMM Corrosion Certification Scheme

Certified Cathodic Protection Practitioner Level 2

Code: CPP2

HRDF claimable

This certification program covers more advanced theoretical knowledge and practical techniques on cathodic protection compared to the Cathodic Protection Level 1 certification. The Cathodic Protection Practitioner Level 2 certification program will equip the candidate with the knowledge and skills in carrying out installation, testing, inspection, monitoring and troubleshooting including data collection for new cathodic protection installations as well as old cathodic protection systems

Reference standards (reference used shall refer to the latest published document):

- DNV-RP-B401: Cathodic Protection Design
- ISO 15257: Cathodic Protection - Competence Levels of Cathodic Protection Persons - Basis for a Certification Scheme
- ISO 15589-1: Petroleum, Petrochemical and Natural Gas Industries - Cathodic Protection of Pipeline Systems - Part 1: On-land Pipelines
- ISO 15589-2: Petroleum, Petrochemical and Natural Gas Industries - Cathodic Protection of Pipeline Transportation Systems - Part 2: Offshore Pipelines
- NACE SP0169: Control of External Corrosion on Underground or Submerged Metallic Piping Systems

Who should apply

Technicians, scientists, engineers, or any personnel with related work experience and/or has been certified with IMM Certified Cathodic Protection Practitioner Level 1 certification.

Objectives

To access the following knowledge and skills in:

- CP systems
- Electrical measurements
- Pipeline survey techniques
- Operation, maintenance and troubleshooting.

Examination topics

- Electricity relevant to CP applications and measurements
- Corrosion, electrochemistry and coatings relevant to CP
- Theory, principles and criteria of CP
- Requirements related to the application of CP
- Application methods of CP, galvanic anodes, impressed current
- CP measurements and test procedures
- Relevance of voltage gradient errors and influence on the structure to electrolyte potential measurement
- Factors influencing the correct selection of reference electrodes for potential measurements
- Effects of excessive CP on coatings, high-yield strength steels and corrosion-resistant alloys
- Diagnostics of CP systems
- Interference conditions (alternating current and direct current)
- Standards and Codes of Practice relevant in CP practices.
- Health, Safety and Environmental issues relating to CP practices.
- Code of Ethics and Professional Conduct of all CP persons.

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

- Interpersonal communication skills.
- Report writing and technical analytical skills relating to CP practices.

Examination format

This open book examination comprises both theory and practical assessments, as follows:

- Theory examination: 75 multiple choice questions.
- Practical assessment: Hands-on handling of cathodic protection equipment.

Candidates can bring in their training manual and other textbooks plus calculator.

Examination duration

Theory exam: 3 hours

Practical assessment: 3 hours

Examination fee

As specified on the IMM website.

Candidate's criteria

Candidate should have

- Fresh degree graduate without IMM Cathodic Protection Practitioner Level 1 requires 1 year related working experience OR
- Non-degree holder (diploma or equivalent) with IMM Certified Cathodic Protection Practitioner Level 1 requires minimum 1 year of related working experience OR
- Non-degree holder (SPM or equivalent) without IMM Certified Cathodic Protection Practitioner Level 1 requires minimum 3 years of related working experience OR
- Attended relevant academic Cathodic Protection Course dedicated to the IMM Cathodic Protection Practitioner Level 2 with at least 12 months of practical field experience in cathodic protection.

Pre-requisite training

A candidate without experience is required to attend IMM approved/recognized Cathodic Protection Practitioner Level 2 training course with a minimum duration of 3 days (24 hours) which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend an IMM approved/recognized Cathodic Protection Practitioner Level 2 training course for examination preparation and scheme alignment.

Note: Evidence of training completion (where applicable) shall be submitted to the IMM prior to examination approval.

Criteria for certification

Pass in both theory paper and practical assessment with a minimum 70% for each assessment.

Certificate awarded

IMM Certified Cathodic Protection Practitioner Level 2

Validity period of certificate

5 years

Re-sit of examination

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Information on re-certification

Candidates may submit a recertification application up to six (6) months before or within six (6) months after the certificate expiry date. Applications submitted within this period will be processed as usual and may require attendance at a refresher course, if applicable.

Applications submitted more than six (6) months after the certificate expiry date require the candidate to:

- Attend the refresher course, if applicable; and
- Retake the certification examination, regardless of work experience.

Candidates may apply to renew their certification for an additional five (5) years within six (6) months prior to the expiry of the certification period (after either the initial 5-year certification or the subsequent 5-year renewal) by:

- Providing proof to IMM of employment in a related field; and
- Attending the refresher course, if applicable.

Candidates who have been out of the profession for more than eighteen (18) months at any point during a 5-year certification or recertification period must retake the certification examination.

IMM Corrosion Certification Scheme

Certified Cathodic Protection Practitioner Level 3

Code: CPP3

HRDF claimable

IMM Certified Cathodic Protection Practitioner Level 3 program will assess candidates who have acquired the IMM Cathodic Protection Practitioner Level 2 Certification and have acquired at least 3 years of post-certification experience in cathodic protection practice. Candidates who have not acquired the IMM Certified Cathodic Protection Practitioner (CPP) Level 2 but have met the minimum pre-requisite qualifications and have acquired at least 5 years of experience in cathodic protection practice may apply to sit for this program.

Reference standards (reference used shall refer to the latest published document):

- DNV-RP-B401: Cathodic Protection Design
- ISO 15257: Cathodic Protection - Competence Levels of Cathodic Protection Persons - Basis for a Certification Scheme
- ISO 15589-1: Petroleum, Petrochemical and Natural Gas Industries - Cathodic Protection of Pipeline Systems - Part 1: On-land Pipelines
- ISO 15589-2: Petroleum, Petrochemical and Natural Gas Industries - Cathodic Protection of Pipeline Transportation Systems - Part 2: Offshore Pipelines
- NACE SP0169: Control of External Corrosion on Underground or Submerged Metallic Piping Systems

Who should apply

Holders of the IMM Certified Cathodic Protection Practitioner Level 2 Certification with sufficient work experience, or non-holders of the IMM Certified Corrosion Monitoring Practitioner (CMP) Level 2 Certification who have met the pre-requisites recognized by IMM.

Objectives

This program is aimed to examine the knowledge and experience of the candidate who is expected to have acquired sufficient skills as a cathodic protection practitioner in order for him/her to manage a team of cathodic protection engineers, technicians and supervisors as well as to communicate with the stakeholders. He/she shall be examined not only in terms of technical knowledge and technical code-of-conduct and integrity, but also on his/her capabilities to manage a team of personnel under his/her wing.

Examination topics

- Electricity relevant to CP applications and measurements
- Corrosion, electrochemistry and coatings relevant to CP
- Theory, principles and criteria of CP
- Requirements related to the application of CP
- Application methods of CP, galvanic anodes, impressed current
- CP measurements and test procedures
- Relevance of voltage gradient errors and influence on the structure to electrolyte potential measurement
- Factors influencing the correct selection of reference electrodes for potential measurements
- Effects of excessive CP on coatings, high-yield strength steels and corrosion-resistant alloys
- Diagnostics of CP systems
- Interference conditions (alternating current and direct current)
- Standards and Codes of Practice relevant in CP practices.

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

- Health, Safety and Environmental issues relating to CP practices.
- Code of Ethics and Professional Conduct of all CP persons.
- Interpersonal communication skills.
- Report writing and technical analytical skills relating to CP practices including design calculations.

Examination format

Written examination

Oral interview

Candidates shall bring their own copy of the following standards and calculator.

- ISO 15589-1: Petroleum, Petrochemical and Natural Gas Industries - Cathodic Protection of Pipeline Systems - Part 1: On-land Pipelines
- ISO 15589-2: Petroleum, Petrochemical and Natural Gas Industries - Cathodic Protection of Pipeline Transportation Systems - Part 2: Offshore Pipelines
- NACE SP0169: Control of External Corrosion on Underground or Submerged Metallic Piping Systems

Examination duration

Written examination: 2 hours

Oral interview: 2 hours

Examination fee

As specified on the IMM website.

Candidate's criteria

Candidate should have

- Passed IMM Certified Cathodic Protection Practitioner Level 2 and shall show proof of having attended a minimum total of 5 days of IMM approved/recognized training course in cathodic protection within the last 3 years prior to this application. Training topics shall be referenced to ISO-15257 OR
- Passed IMM Certified Cathodic Protection Practitioner (CPP) Level 2 with a minimum of 3 years post-certification field experience in cathodic protection practices OR
- Candidates who have not acquired the IMM CPP Level 2 and shall show proof of having attended a minimum total of 10 days of IMM approved/recognized training course in cathodic protection within the last 5 years prior to this application. Training topics shall be referenced to ISO-15257 OR
- Candidates who have not acquired the IMM CPP Level 2 but have met the minimum pre-requisite qualifications recognized by IMM as per Tables A.1 & A.2 of Annex A in the ISO-15257 Standard and have acquired at least 5 years of experience in cathodic protection practice may apply to sit for the IMM CPP Level 3 Peer Review Examination OR
- Submit (with application in advance) his/her latest 3 years record of work experience with copies of actual work done in the field of cathodic protection, endorsed by candidate's superiors or clients OR
- Submit a testimonial of their total work experience in cathodic protection with details of employment dates, scope of work performed, and proof of continuous cathodic protection work without any lapse of more than 18 months. The testimonial must be endorsed by their latest employer or a representative from their client.

Pre-requisite training

A candidate without experience is required to attend IMM approved/recognized Cathodic Protection Practitioner Level 3 training course with a minimum duration of 3 days (24 hours) which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend an IMM approved/recognized Cathodic Protection Practitioner Level 3 training course for examination preparation and scheme alignment.

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Note: Evidence of training completion (where applicable) shall be submitted to the IMM prior to examination approval.

Criteria for certification

Pass the examination with a minimum total mark of 70% for each assessment.

Certificate awarded

IMM Certified Cathodic Protection Practitioner Level 3

Validity period of certificate

5 years

Re-sit of examination

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

Information on re-certification

Candidates may submit a recertification application up to six (6) months before or within six (6) months after the certificate expiry date. Applications submitted within this period will be processed as usual and may require attendance at a refresher course, if applicable.

Applications submitted more than six (6) months after the certificate expiry date require the candidate to:

- Attend the refresher course, if applicable; and
- Retake the certification examination, regardless of work experience.

Candidates may apply to renew their certification for an additional five (5) years within six (6) months prior to the expiry of the certification period (after either the initial 5-year certification or the subsequent 5-year renewal) by:

- Providing proof to IMM of employment in a related field; and
- Attending the refresher course, if applicable.

Candidates who have been out of the profession for more than eighteen (18) months at any point during a 5-year certification or recertification period must retake the certification examination.

MECHANICAL JOINT INTEGRITY PROGRAMS

IMM Mechanical Joint Integrity Certification Scheme

Certified Technician in Mechanical Joint Integrity for Small-bore Piping, Tubing and Valves

Code: MJJ-SBV

HRDF claimable

This certification program is designed to provide learners with knowledge encompassing safety hazards at valve sites, grounding knowledge of leak repairs pertaining to valves/small bore piping (SBP) and tubing, causes of Loss of Primary Containment (LOPC) in valves, small bore piping and tubing, identification of leaks, planning of repair works, hands-on skills in executing the repairs, post-repair activities, and periodic inspection required. It teaches both theoretical knowledge and hands-on skills relevant to LOPC repairs and prevention. It provides the theoretical basis and practical competencies required by a practical worker to sit for assessment so as to be certified competent in Mechanical Joint Integrity for Small-bore Piping, Tubing and Valves.

Reference standards (reference used shall refer to the latest published document):

- TBA

Who should apply

This certification program is for those who are in the key roles of installation, assembly and dis-assembly, maintenance and repair, operations and inspection of valves, packing, tubing, compression fittings, small-bore piping and threaded connections, such as:

- Instrument supervisors/team leads
- Valve technicians
- Mechanical technicians
- Maintenance technicians (mechanical/instrument discipline)
- Instrument specialists/engineers
- Operations (multi-skilled) technicians
- Well services personnel dealing with wellhead control panels, chokes and valves

Objectives

The objective of this certification program is to assess and certify workers on their knowledge and hands-on skills/competency concerning small-bore piping, tubing and valves, which covers supplementary health, safety and environment, fundamental theoretical knowledge, dis-assembly, inspection, assembly and reinstatement, post assembly checking/testing, and periodic inspection.

Examination topics

Supplementary health, safety and environmental knowledge when carrying out the works

Grounding knowledge required to carry out the works, covering;

- Valve types and components, valve packing body-bonnet flange, packing replacement, inspection and testing
- Small-bore piping, threaded connection, vibration impact, spool replacement, inspection and testing
- Tubing types, compression fittings, measure and bending, tube cutting, assembly and dis-assembly, tubing
- supports, re-make a tube fitting, inspection and repair.
- Hands-on skills in using a manual torque wrench and hydraulic torque wrench:
- Preparation and set-up of the works
- Reading and interpreting P & ID and isometric/hook-up drawings
- Preparing a simple work pack if there is no work pack provided for the works
- Planning the works, collecting and storage of materials, correct tools
- Disassembly of valve and packing replacement, small-bore piping, tubing and fittings
- Assembly of the valves, packing, tubing, fittings, small-bore piping and threaded connections
- Post-assembly inspection and testing, and periodic inspection of valves, packing, tubing, fittings,

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

small-bore piping and threaded connections

Examination format

The examination/assessment consists of the following format:

- (a) Examination – to complete answering the 35 multiple choice questions within 40 minutes
- (b) Practical (hands-on) assessment 1 – Valve packing replacement; consisting of dis-assembly of a valve bonnet, replace the valve packing, re-assembly of the valve bonnet onto valve body, including valve and pipework inspection, set-up, post-assembly inspection and testing using compressed air to check for packing leaks, and re-tightening of packing (if required to stop the packing leak).
- (c) Practical (hands-on) assessment 2 – Tube measurement, cutting and bending (3/8" or 10mm OD);
 - i. Using a tube bender, cutter, gap inspection gauge and fitting wrenches, the activity consists of correctly bending and cutting a tube as per given tube drawing, installing a 3/8" or 10mm tube union or 3/8" or 10mm NPT connector.
 - ii. Removing and re-installing a pressure gauge from/into a ½ NPT process connection

Examination duration

1 day

Examination fee

As specified on the IMM website.

Candidate's criteria

Candidate should have

- Minimum academic qualification - SPM or equivalent* OR
- Minimum 5 years working experience at site (offshore or onshore plant/construction site) in the instrument and process control discipline, hook-up and construction, and maintenance works using tube benders, cutters and gap inspection gauge AND
- Able to read and understand in English

*Candidate fulfills the minimum academic qualification without working experience at site (offshore or onshore plant/construction) is considered as a candidate without experience.

Pre-requisite training

A candidate without experience is required to attend IMM approved/recognized Mechanical Joint Integrity for Small-bore Piping, Tubing and Valves training course with a minimum duration of 2 days (16 hours) which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend an IMM approved/recognized Mechanical Joint Integrity for Small-bore Piping, Tubing and Valves training course for examination preparation and scheme alignment.

Note: Evidence of training completion (where applicable) shall be submitted to the IMM prior to examination approval.

Criteria for certification

The candidate must pass in all the following 3 parts:

- (a) Examination paper – Achieve minimum 60% mark
- (b) Practical (hands-on) assessment 1 – Passed as competent
- (c) Practical (hands-on) assessment 2 – Passed as competent

Certificate awarded

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

IMM Certified Technician in Mechanical Joint Integrity (MJI) for Small-bore Piping, Tubing and Valves

Validity period of certificate

5 years

Re-sit of examination

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

Information on re-certification

Candidates may submit a recertification application up to six (6) months before or within six (6) months after the certificate expiry date. Applications submitted within this period will be processed as usual and may require attendance at a refresher course, if applicable.

Applications submitted more than six (6) months after the certificate expiry date require the candidate to:

- Attend the refresher course, if applicable; and
- Retake the certification examination, regardless of work experience.

Candidates may apply to renew their certification for an additional five (5) years within six (6) months prior to the expiry of the certification period (after either the initial 5-year certification or the subsequent 5-year renewal) by:

- Providing proof to IMM of employment in a related field; and
- Attending the refresher course, if applicable.

Candidates who have been out of the profession for more than eighteen (18) months at any point during a 5-year certification or recertification period must retake the certification examination.

IMM Mechanical Joint Integrity Certification Scheme

Certified Technician in in Mechanical Joint Integrity for Flange Bolted Connections

Code: MJ-FL

HRDF claimable

This certification program is designed to equip workers with knowledge concerning typical flange/clamp bolted connections, covering supplementary health, safety and environment, fundamental theoretical knowledge, assembly and reinstatement, post assembly checking/testing, and periodic inspection. It covers both theoretical knowledge and hands-on skills relevant to LOPC prevention and repair in flanged bolted connections. It provides the theoretical basis and practical competencies required by a worker to sit for assessment so as to be a certified competent technician in Mechanical Joint Integrity (MJ-FL) for Flange Bolted Connections.

Reference standards (reference used shall refer to the latest published document):

- TBA

Who should apply

This program is for those who have to execute installation, assembly and dis-assembly, maintenance and repair, operations, works supervision and inspection of flange/clamp bolted connections, such as:

- Frontline flange assemblers for pipeline, pipework and process equipment, pressure vessels, towers, rotating machinery
- Fitters/riggers
- Mechanical technicians
- Site team leaders
- Quality and inspection personnel
- Maintenance and construction team leaders, supervisors

Objectives

The objective of this certification program is to assess and certify workers on their knowledge and hands-on skills/competency concerning flange/clamp bolted connections, which covers supplementary health, safety and environment, fundamental theoretical knowledge, dis-assembly, inspection, assembly and reinstatement, post assembly checking/testing, and periodic inspection.

Examination topics

Supplementary health, safety and environmental knowledge when carrying out the works. Grounding knowledge required to carry out the works, covering flanges, gaskets, bolts, torqueing, inspection aspects, testing aspects, manual torque wrench hydraulic torque wrench, clamp connector.

Hands-on skills in using a manual torque wrench and hydraulic torque wrench:

- Preparation and set-up of the works
- Reading and interpreting P & ID and isometric drawings
- Preparing a simple work pack if there is no work pack provided for the works
- Reading and selecting correct torque value from a torque table
- Disassembly
- Inspection of the tools, flanges, bolts, gaskets, lubricants used
- Assembly and post-assembly inspection and testing
- Periodic inspection

Examination format

The exam/assessment consists of the following format:

- (a) Examination paper – to complete answering the 35 multiple choice questions within 45 minutes
- (b) Practical (hands-on) assessment 1 – using a manual torque wrench, including inspection, set-up, using torquetable, checking the validity of the calibration certificate, setting the wrench, actual

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

- disassembly, assembly, post-assembly inspection and testing.
- (c) Practical (hands-on) assessment 2 – using a pneumatic-powered hydraulic torque wrench, including inspection, set-up, using torque table, checking the validity of the calibration certificate, setting the wrench, actual disassembly, assembly, post-assembly inspection and testing.
 - (d) Practical (hands-on) assessment 3 – using a clamp connector (*e.g.* Grayloc), including inspection, set-up, referring to the manufacturer's instructions, setting the wrench, actual disassembly, assembly, post-assembly inspection and testing.

Examination duration

1 day

Examination fee

As specified on the IMM website.

Candidate's criteria

Candidate should have

- Minimum academic qualification - SPM or equivalent* OR
- Minimum 5 years working experience at site (offshore or for onshore plant/construction site) AND
- Have used manual torque wrench or supervised workers using manual torque wrench and hydraulic torque wrench for flange bolted connections AND
- Fit-for work for offshore or for onshore plant/construction site AND
- Able to read and understand in English

*Candidate fulfills the minimum academic qualification without working experience at site (offshore or onshore plant/construction) is considered as a candidate without experience.

Pre-requisite training

A candidate without experience is required to attend IMM approved/recognized Mechanical Joint Integrity for Flange Bolted Connections training course with a minimum duration of 2 days (16 hours) which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend an IMM approved/recognized Mechanical Joint Integrity for Flange Bolted Connections training course for examination preparation and scheme alignment.

Note: Evidence of training completion (where applicable) shall be submitted to the IMM prior to examination approval.

Criteria for certification

The candidate must pass in all the following 4 parts:

- (a) Examination paper – Achieve minimum 60% mark
- (b) Practical (hands-on) assessment 1 – Passed as competent
- (c) Practical (hands-on) assessment 2 – Passed as competent
- (d) Practical (hands-on) assessment 3 – Passed as competent

Certificate awarded

IMM Certified Technician in Mechanical Joint Integrity (MJI) for Flange Bolted Connections

Validity period of certificate

5 years

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Re-sit of examination

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

Information on re-certification

Candidates may submit a recertification application up to six (6) months before or within six (6) months after the certificate expiry date. Applications submitted within this period will be processed as usual and may require attendance at a refresher course, if applicable.

Applications submitted more than six (6) months after the certificate expiry date require the candidate to:

- Attend the refresher course, if applicable; and
- Retake the certification examination, regardless of work experience.

Candidates may apply to renew their certification for an additional five (5) years within six (6) months prior to the expiry of the certification period (after either the initial 5-year certification or the subsequent 5-year renewal) by:

- Providing proof to IMM of employment in a related field; and
- Attending the refresher course, if applicable.

Candidates who have been out of the profession for more than eighteen (18) months at any point during a 5-year certification or recertification period must retake the certification examination.



VIBRATION PROGRAMS

IMM Vibration Certification Scheme

Certified Vibration Practitioner Category 1

Code: VP1

HRDF claimable

The quality of vibration analysis and condition monitoring depends to a very large extent on the quality of the people who carry it out. It does not matter how good the monitoring equipment is or even how committed management is, the program will fall unless it is run by capable and dedicated people. What can be done to ensure the availability of capable and dedicated people? A professional certificate with performance objectives will be the answer.

Reference standards (reference used shall refer to the latest published document):

- ISO 18436-2: Condition Monitoring and Diagnostics of Machines - Requirements for Qualification and Assessment of Personnel - Part 2: Vibration Condition Monitoring and Diagnostics

Who should apply

This program is intended for engineers, supervisors, inspections and technicians who wish to pursue a career as an IMM Certified Vibration Practitioner.

Objectives

- To highlight the impact of vibration management on health, safety and environment.
- To identify common vibration problems on machinery & their impact on productivity.
- To highlight the importance of vibration technology from the efficiency and productivity perspective.
- To equip participants with strong testing, analysing and diagnosing skills.

Examination topics

- Introduction to condition monitoring
- Maintenance programs
- Condition monitoring
- Condition-Based Maintenance (CBM)
- CBM procedure

Examination format

60 multiple choice questions

Examination duration

2 hours

Examination fee

As specified on the IMM website.

Candidate's criteria

Candidate should have

- Minimum academic qualification - SPM or equivalent* with at least credit in English and Mathematics

*Candidate fulfills the minimum academic qualification but without experience in vibration-related field is considered as a candidate without experience.

NOTE: Candidate's criteria can be accessed based on ISO 18436-2.

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Pre-requisite training

A candidate without experience is required to attend IMM approved/recognized Vibration Practitioner Category 1 training course with a minimum duration of 3 days (24 hours) which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend an IMM approved/recognized Vibration Practitioner Category 1 training course for examination preparation and scheme alignment.

Note: Evidence of training completion (where applicable) shall be submitted to the IMM prior to examination approval.

Criteria for certification

Pass the examination with a minimum total mark of 70%

Certificate awarded

IMM Certified Vibration Practitioner Category 1

Validity period of certificate

5 years

Re-sit of examination

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

Information on re-certification

Candidates may submit a recertification application up to six (6) months before or within six (6) months after the certificate expiry date. Applications submitted within this period will be processed as usual and may require attendance at a refresher course, if applicable.

Applications submitted more than six (6) months after the certificate expiry date require the candidate to:

- Attend the refresher course, if applicable; and
- Retake the certification examination, regardless of work experience.

Candidates may apply to renew their certification for an additional five (5) years within six (6) months prior to the expiry of the certification period (after either the initial 5-year certification or the subsequent 5-year renewal) by:

- Providing proof to IMM of employment in a related field; and
- Attending the refresher course, if applicable.

Candidates who have been out of the profession for more than eighteen (18) months at any point during a 5-year certification or recertification period must retake the certification examination.

IMM Vibration Certification Scheme

Certified Vibration Practitioner Category 2

Code: VP2

HRDF claimable

The quality of vibration analysis and condition monitoring depends to a very large extent on the quality of the personnel performing the task. What can be done to ensure the availability of capable and dedicated people? A professional certification with performance objectives will be the answer.

Reference standards (reference used shall refer to the latest published document):

- ISO 18436-2: Condition Monitoring and Diagnostics of Machines - Requirements for Qualification and Assessment of Personnel - Part 2: Vibration Condition Monitoring and Diagnostics

Who should apply

This program is intended for technicians, supervisors, engineers or anyone who passed IMM Certified Vibration Practitioner Category 1 and is interested to upgrade his/her knowledge and career in vibration conditioned monitoring and analysing.

Objectives

- To highlight the impact of vibration management on health, safety and environment.
- To identify common vibration problems on machinery & their impact on productivity.
- To highlight the importance of vibration technology from the efficiency and productivity perspective.
- To equip participants with strong testing, analysing and diagnosing skills.

Examination topics

- Principles of vibration
- Data acquisition
- Signal processing
- Condition monitoring
- Fault analysis
- Correction action
- Equipment knowledge
- Reference standards
- Fault severity determination

Examination format

110 multiple choice questions

Examination duration

3 hours

Examination fee

As specified on the IMM website.

Candidate's criteria

Candidate should have

- IMM Certified Vibration Practitioner Category 1 and with at least 6 months working experience in vibration monitoring.

NOTE: Candidate's criteria can be accessed based on ISO 18436-2.

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Pre-requisite training

A candidate without experience is required to attend IMM approved/recognized Vibration Practitioner Category 2 training course with a minimum duration of 4 days (32 hours) which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend an IMM approved/recognized Vibration Practitioner Category 2 training course for examination preparation and scheme alignment.

Note: Evidence of training completion (where applicable) shall be submitted to the IMM prior to examination approval.

Criteria for certification

Pass the examination with a minimum total mark of 70%

Certificate awarded

IMM Certified Vibration Practitioner Category 2

Validity period of certificate

5 years

Re-sit of examination

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

Information on re-certification

Candidates may submit a recertification application up to six (6) months before or within six (6) months after the certificate expiry date. Applications submitted within this period will be processed as usual and may require attendance at a refresher course, if applicable.

Applications submitted more than six (6) months after the certificate expiry date require the candidate to:

- Attend the refresher course, if applicable; and
- Retake the certification examination, regardless of work experience.

Candidates may apply to renew their certification for an additional five (5) years within six (6) months prior to the expiry of the certification period (after either the initial 5-year certification or the subsequent 5-year renewal) by:

- Providing proof to IMM of employment in a related field; and
- Attending the refresher course, if applicable.

Candidates who have been out of the profession for more than eighteen (18) months at any point during a 5-year certification or recertification period must retake the certification examination.

WELDING PROGRAMS

IMM Welding Certification Scheme

Certified Welding Inspector

Code: CWI

HRDF claimable

Participants are exposed to different aspects of industrial welding technology and fabrication, such as safety, weld inspection, reporting, joint design, welding processes, welding metallurgy and materials behaviour during welding production. Theoretical and practical aspects of inspection techniques such as visual inspection (VT), weld measurements, magnetic particle examination (MT), penetrant examination technique (PT), ultrasonic examination (UT) and radiographic examination (RT) will be part of the training by qualified welding personnel.

Reference standards (reference used shall refer to the latest published document):

- TBA

Who should apply

This program is suitable for professionals with working experience in welding and fabrication, who are willing to upgrade their skills according to international standards.

Objectives

- To improve safe welding practices
- To understand the welding practices carried out in their industry
- To implement good welding practices in their industry
- To select the right welding equipment in their industry
- To identify common welding defects and ways to overcome them
- To make the right selection of electrodes & materials
- To understand Weld Procedure Specification (WPS), Procedure Qualification Record (PQR) and Welder Qualification Test (WQT) for the repair of fired & unfired pressure vessels

Examination topics

- Introduction and safety
- Duties and responsibilities
- Inspection test plan
- Inspection report
- Welding procedure specification
- Construction drawings (ISO standards, piping and instrumentation diagrams, detailed drawings)
- Codes/standards
- Joint design
- Construction and design
- Welding processes
- Welding symbols
- Welding metallurgy
- Materials strength and testing
- Materials behaviour of metals
- Welding defects
- Damage mechanisms
- Non-destructive examination

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Examination format

Written examination

- Part 1: 10 multiple choice questions and 5 subjective questions (Closed book)
- Part 2: Writing analysis reports – 2 questions (Open book)

Examination duration

Part 1: 3 hours

Part 2: 2 hours

Examination fee

As specified on the IMM website.

Candidate's criteria

Candidate should have

- Minimum academic qualification - SPM or equivalent with 5 years working experience in the welding related field OR
- Engineering Diploma in Engineering/Technology with 3 years working experience in the welding related field OR
- Vocational Diploma in Engineering/Technology with 3 years working experience in the welding related field OR
- Degree in Engineering with 1 year working experience in the welding related field

Pre-requisite training

A candidate without experience is required to attend IMM approved/recognized Welding Inspector training course with a minimum duration of 4 days (32 hours) which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend an IMM approved/recognized Welding Inspector training course for examination preparation and scheme alignment.

Note: Evidence of training completion (where applicable) shall be submitted to the IMM prior to examination approval.

Criteria for certification

Pass the examination with a minimum total mark of 70% for each paper.

Certificate awarded

IMM Certified Welding Inspector

Validity period of certificate

5 years

Re-sit of examination

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

Information on re-certification

Candidates may submit a recertification application up to six (6) months before or within six (6) months after the certificate expiry date. Applications submitted within this period will be processed as usual and may require attendance at a refresher course, if applicable.

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Applications submitted more than six (6) months after the certificate expiry date require the candidate to:

- Attend the refresher course, if applicable; and
- Retake the certification examination, regardless of work experience.

Candidates may apply to renew their certification for an additional five (5) years within six (6) months prior to the expiry of the certification period (after either the initial 5-year certification or the subsequent 5-year renewal) by:

- Providing proof to IMM of employment in a related field; and
- Attending the refresher course, if applicable.

Candidates who have been out of the profession for more than eighteen (18) months at any point during a 5-year certification or recertification period must retake the certification examination.

IMM Welding Certification Scheme

IMM-JWES Certified Associate Welding Engineer/Welding Engineer/Senior Welding Engineer

Code: AWE/WE/SWE

HRDF claimable

The Institute of Materials, Malaysia (IMM) in collaboration with the Japan Welding Engineering Society (JWES) will conduct courses and examinations required for the certification of ASSOCIATE WELDING ENGINEER (AWE), WELDING ENGINEER (WE) & SENIOR WELDING ENGINEER (SWE). JWES is an organisation accredited by the Japan National Accreditation Board (JNAB) to certify personnel according to the requirements of ISO/IEC 17024.

Reference standards (reference used shall refer to the latest published document):

- ISO 14731: Welding Coordination - Tasks and Responsibilities
- WES 8013: Standard for Certification of Welding Coordinators

Who should apply

This certification scheme is intended for professionals with working experience in welding and fabrication, who are willing to upgrade their skills according to international standards.

Objectives

- To provide training, knowledge and examination required for the Welding Engineer Certification in accordance with JWE5-WES 8013: Standard of Certification of Welding Coordination Personnel and ISO 14731: Welding Coordination Tasks and Responsibilities
- To provide participants with advanced certification of Associate Welding Engineer (AWE), Welding Engineer (WE) & Senior Welding Engineer (SWE) for aspiring leaders / instructors to produce skilled welding engineers in the future
- To diversify the participants' capability through exercises in this training course

Exam topics

ASSOCIATE WELDING ENGINEER (AWE)

1. Welding processes and equipment
2. Materials and their behaviour during welding
3. Design and construction
4. Fabrication and application engineering

WELDING ENGINEER (WE)

1. Advanced welding processes and equipment
2. Advanced materials and their behaviour during welding
3. Advanced design and construction
4. Advanced fabrication and application engineering

SENIOR WELDING ENGINEER (SWE)

1. Welding processes and equipment
2. Materials and their behaviour during welding
3. Design and construction
4. Welding design & fabrication of frame structures
5. Welding design & fabrication of vessels

Examination format

AWE: Written examination

WE: Written examination

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

SWE: Written & oral examinations

Examination duration

AWE: 2 hours 30 minutes

WE: 2 hours 30 minutes

SWE: 1-day

Examination fee

As specified on the IMM website.

Candidate's criteria

Candidate should have

ASSOCIATE WELDING ENGINEER (AWE)

- Degree in Science/Engineering with 1 year working experience in the welding related field OR
- Degree in other than Science/Engineering with 2 years working experience in the welding related field OR
- Diploma in Science/Engineering/Technology with 1 year working experience in the welding related field OR
- Vocational graduate in Science/Engineering with 2 years working experience in the welding related field OR
- SPM or equivalent with 4 years working experience in the welding related field

WELDING ENGINEER (WE)

- Degree in Science/Engineering with 2 years working experience in the welding related field OR
- Degree in other than Science/Engineering with 4 years working experience in the welding related field OR
- Diploma in Science/Engineering/Technology with 4 years working experience in the welding related field OR
- Vocational graduate in Science/Engineering with 7 years working experience in the welding related field OR
- SPM or equivalent with 8 years working experience in the welding related field OR
- Associate Welding Engineer certificate holder with 3 years working experience in the welding related field

SENIOR WELDING ENGINEER (SWE)

- Degree in Science/Engineering with 3 years working experience in the welding related field OR
- Degree in other than Science/Engineering with 6 years working experience in the welding related field OR
- Diploma in Science/Engineering/Technology with 6 years working experience in the welding related field OR
- Welding Engineer certificate holder with 3 years working experience in the welding related field

Pre-requisite training

A candidate without experience is required to attend IMM approved/recognized training course, as follows: Associate Welding Engineer training course with a minimum duration of 5 days (40 hours), or Welding Engineer training course with a minimum duration of 5 days (40 hours), or Senior Welding Engineer training course with a minimum duration of 6 days (48 hours) which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend an IMM approved/recognized AWE/WE/SWE training course for examination preparation and scheme alignment.

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Note: Evidence of training completion (where applicable) shall be submitted to the IMM prior to examination approval.

Criteria for certification

Pass the examination with a minimum total mark of 70% for each assessment.

Certificate awarded

IMM-JWES Certified Associate Welding Engineer

IMM-JWES Certified Welding Engineer

IMM-JWES Certified Senior Welding Engineer

Validity period of certificate

5 years

Re-sit of examination

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

Information on re-certification

WE Certification System specifies the Term of Registration and the Initial Term of Validity.

The Term of Registration is Five (5) years. After 5 years, a candidate must go through Re-certification Procedure.

The Initial Term of Validity is Two (2) years. After 2 years, a candidate must go through Surveillance Procedure.

Surveillance Procedure

Surveillance is conducted by assessment of job engagement in the initial term of validity, especially during the period of 6 months to 3 months before the expiring date. The new certificate is valid for 3 years from the next day of the expiring date of the old one.

Re-certification Procedure

Re-certification is conducted by assessment of job engagement in 3 years after Surveillance and Seminar about latest welding technology and written examination held in from 12 months to 2 months before the expiring date. The new certificate is valid for 2 years from the next day of the expiring date of the old one.

TESTIMONIALS

from IMM Certified and Trained Personnel

“The **IMM Vibration Practitioner Category 1 program** provided valuable exposure and significantly improved my knowledge of vibration monitoring, including equipment operation, data monitoring, and analysis. I would highly encourage fresh graduates and newcomers to enroll in this program.”

Serba Dinamik Group Berhad

“Attending the **IMM Coating Inspector Level 1 program** helped clear many of the questions and uncertainties I had while performing QA/QC duties at the worksite. The knowledge gained has improved my confidence in my work, and obtaining the certification has also contributed to an increase in my salary.”

Freelance QAQC Inspector

“The **IMM Certified Coating Fingerprint Quality Controller Level 1 training** was highly beneficial in enhancing my skills and knowledge, particularly in coating fingerprinting techniques. I would certainly recommend this program to my colleagues and friends in Indonesia.”

PT PPG Coating Indonesia

“Participating in the **IMM Certified Coating Fingerprint Quality Controller Level 1 course** provided a great platform to meet professionals from different backgrounds. It allowed us to exchange ideas and gain different perspectives on coating fingerprinting. The course content and learning outcomes were clearly presented and very insightful.”

Universiti Teknologi MARA

“I attended the **IMM Certified Cathodic Protection Technician Level 1 program**, and it was an excellent session conducted by a highly knowledgeable trainer. The training provided valuable insights and practical understanding of the subject.”

PT Natgas Indonesia

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

“Thank you to IMM for organizing such an excellent training program. Through the **IMM Certified Welding Inspector training**, I gained a clearer understanding of welding inspection practices, and the trainer’s expertise made the learning experience very effective.”

PETRONAS Carigali Turkmenistan

“This course provided me with valuable knowledge on proper surface preparation and painting application techniques. Through the **IMM Protective Coating Technician Level 2 training**, I learned how to carry out my work more professionally. I strongly encourage others who have not yet attended this training to enroll and obtain the competency certification, as it can also contribute to improving your earning potential.”

Freelance Blaster and Painter

“Although I had several years of work experience, I never held a competency certification before. After attending the **IMM Corrosion Technician Level 1 course**, I gained a much clearer understanding of my roles and responsibilities. The certification has also added value to my professional profile and opened opportunities to pursue better employment prospects.”

Freelance Corrosion Technician

“I am very grateful to the trainer during the **IMM Certified Cathodic Protection Technician Level 1 training**. The explanations were clear, practical, and easy to understand. This program has greatly helped me improve my knowledge and skills in cathodic protection.”

Velosi (M) Sdn Bhd

FREQUENTLY ASKED QUESTIONS

What is IMM?

Institute of Materials, Malaysia (IMM) is a non-profit professional society, registered with the Registrar of Societies since **1987**.

IMM promotes ethical professional practices, professional integrity, and education in materials science, technology, and engineering. Its membership exceeds **5,000** and includes engineers, academicians, technicians, skilled workers, and other professionals.

IMM's Key Objectives:

- Provide training and development for individuals and companies in Malaysia to achieve professional certification and recognition across disciplines such as:
 - Coating
 - Corrosion
 - Welding
 - Vibration
 - Asset integrity
- Promote research and development in these fields
- Facilitate collaboration between industry, research institutes, and universities

IMM is administered by a council of 30 members and supported by 19 expert committees and 4 regional chapters, with the IMM Secretariat providing administrative and operational support.

Training are conducted by **Associate Training Partner (ATP)**, **Authorized Training Bodies (ATBs)**, or **Authorized Testing Centre (ATCs)**.

What are the IMM Certification Programs?

IMM offers a range of certification schemes and training courses covering disciplines from **Coating to Welding**.

Full list of programs:
<https://www.iomm.org.my/list-of-training-certification-programs/>

Why Should I Become IMM Certified?

IMM approved training and certification programs equip personnel with the skills and knowledge required for entry into the industrial sector. Certification provides employers with assurance that the certified individual has achieved a recognized level of proficiency in a specific field.

Is IMM certification required in the Oil & Gas industry?

Yes. IMM competency training and certification programs are widely recognized in the **Oil & Gas industry**. Leading companies such as **PETRONAS** and **Shell** include IMM certification in their technical and work specifications.

How do I register for an IMM Certification Programs?

- Contact the **IMM Secretariat, ATP, ATB, or ATC** for registration forms and guidance.
- Course listings and IMM-approved training providers are available at www.iomm.org.my

How much does IMM certification cost?

- **Training fees:** Up to RM1,000 per course-day
- **Assessment/examination fees:** Vary by program

What are the minimum requirements for IMM Certification Programs?

Requirements vary by certification program. Each scheme specifies candidate criteria and prerequisite training.

Are courses available in English and Bahasa Malaysia?

Yes, courses in Malaysia are conducted in dual languages: English & Bahasa Malaysia.

Does the certification include IMM membership?

Yes. Certification includes corresponding IMM membership.

Can I be certified in multiple competencies?

Yes, individuals may obtain certification in multiple IMM programs.

How long is IMM certification valid?

Validity periods vary depending on the certification program. Refer to the relevant scheme document for details.

Can I be recertified if my certification is expired or about to expire?

All IMM-certified personnel must undergo recertification before the expiry of their competency certificate.

The period of certification and recertification varies by program. Refer to the specific certification scheme document for details.

If I fail the assessment, can I re-sit? How many times?

- Candidates who do not pass an examination may retake the failed component within **12 months** of their previous attempt.
- The full examination fee applies for each re-sit.
- Re-attendance at the training course is not required.
- There is no limit to the number of re-sit attempts.

Contact Information

Institute of Materials, Malaysia

Suite 1008, Level 10, Block A, Lobby C,
Kelana Centre Point
No.3, Jalan SS 7/19, Kelana Jaya, Petaling
Jaya, 47301 Selangor

Email: secretariat@iommm.org.my

Website: www.iommm.org.my

Call/WhatsApp: +6018 9113 480

IMM TRAINING & CERTIFICATION SCHEMES 2026/2027

Training & Certification Needs for Industrial Skillsets

For the most up-to-date information, visit
www.iomm.org.my



scan here for more info!



secretariat@iomm.org.my



+60 18 - 911 3480