INSTITUTE OF MATERIALS, MALAYSIA

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.

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.