



## INSTITUTE OF MATERIAL, MALAYSIA

### IMM Vibration Certification Scheme

## Certified Vibration Specialist Category 3

Code: VS3

*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 technicians, supervisors, engineers or anyone who passed IMM Certified Vibration Practitioner Category 2 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 & its impact on productive.
- 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

TBA

### Examination duration

TBA

### Examination fee

As specified on the IMM website.

### **Candidate's criteria**

Candidate should have

- IMM Certified Vibration Practitioner Category 2 and with at least 6 months working experience in vibration monitoring

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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 training course which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend IMM approved/recognized training course.

### **Criteria for certification**

TBA

### **Certificate awarded**

IMM Certified Vibration Specialist Category 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**

6 months prior to the expiry of certification (at the end of the 5<sup>th</sup> 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; and
- attending the relevant Refresher Course for certification (if any).

Prior to the expiry of the 5-year re-certification (at the end of the 10<sup>th</sup> 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 during the 5-year certification or re-certification period.