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Condition monitoring and diagnostics of machines — Requirements for training and certification of personnel —

Part 3: Requirements for training bodies and the training process

ISO/TC 108/SC 5

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Foreword

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This document was prepared by Technical Committee ISO/TC 108, *Mechanical vibration, shock and condition monitoring*, Subcommittee SC 5, *Condition monitoring and diagnostics of machines*.

This third edition cancels and replaces the second edition (ISO 18436-3:2012), of which it constitutes a minor revision.

The main changes are as follows:

- changes to update terminology to harmonize with current industry practice (such as, removing the use of term 'qualification' and 'assessment' where practicable) were done;
- the part title was aligned with the other parts of the ISO 18436 series.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

A list of all parts in the ISO 18436 series can be found on the ISO website.

Introduction

Condition monitoring and diagnostics of machines are integral parts of an effective maintenance programme. Non-intrusive technologies used in condition monitoring and fault diagnosis include vibration, infrared thermography, oil and wear debris analysis, acoustic and ultrasonic analysis, and electrical signature analysis. In many instances these technologies act as complementary condition monitoring tools. The skills and expertise of the practitioners performing the measurements and analysing the data are critical to the effective application of these technologies.

This document defines the requirements for bodies operating training programmes in the non-intrusive machine condition monitoring, diagnostic, and correction technologies. General requirements for training body personnel are contained in this document. Specific requirements for personnel in condition monitoring and diagnostics are covered in other parts of the ISO 18436 series.

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