



**International
Standard**

ISO 18436-3

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

**Part 3:
Requirements for training bodies
and the training process**

*Surveillance et diagnostic d'état des machines — Exigences
relatives à la formation et à la certification du personnel —*

*Partie 3: Exigences relatives aux organismes de formation et au
processus de formation*

**Third edition
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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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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:

- updated terminology to harmonize the document with current industry practice (such as, removing the use of term 'qualification' and 'assessment' where practicable);
- 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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