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Part 3:
Requirements for training bodies and the training process

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ISO/FDIS 18436-3

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Foreword

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~~International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.~~

~~The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.~~

~~Attention is drawn to 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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~~For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.~~

~~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.~~

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

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The main changes are as follows:

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

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~~ISO 18436 consists of the following parts, under the general title Condition monitoring and diagnostics of machines — Requirements for training and certification of personnel:~~

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~~Part 1: Requirements for certification bodies and the certification process~~

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~~Part 2: Vibration condition monitoring and diagnostics~~

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Part 3: Requirements for training bodies and the training process

Part 4: Field lubricant analysis

Part 5: Lubricant laboratory technician/analyst

Part 6: Acoustic emission

Part 7: Thermography

Part 8: Ultrasound

The following part is under preparation:

Part 9: Optical Gas Imaging

The following part is planned:

Part 10: Condition monitoring specialists

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.

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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 part of ISO 18436 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 part of ISO 18436 document. Specific requirements for personnel in condition monitoring and diagnostics are covered in other parts of the ISO 18436 series.

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