Non-destructive testing - Equipment for eddy current examination - Part 3: System characteristics and verification

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NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 15548-3:2008 sisaldab Euroopa standardi EN ISO 15548-3:2008 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 15548-3:2008 consists of the English text of the European standard EN ISO 15548-3:2008.
Standard on kinnitatud Eesti Standardikeskuse 15.12.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 15.12.2008 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 15.09.2008.	Date of Availability of the European standard text 15.09.2008.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

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Võtmesõnad:

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English Version

Non-destructive testing - Equipment for eddy current examination - Part 3: System characteristics and verification (ISO 15548-3:2008)

Essais non destructifs - Appareillage pour examen par courants de Foucault - Partie 3: Caractéristiques du système et vérifications (ISO 15548-3:2008)

Zerstörungsfreie Prüfung - Prüfeinrichtung für Wirbelstromprüfung - Teil 3: Kenngrößen des Systems und Verifizierung (ISO 15548-3:2008)

This European Standard was approved by CEN on 18 July 2008.

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Foreword

This document (EN ISO 15548-3:2008) has been prepared by Technical Committee CEN/TC 138 “Non-destructive testing”, the secretariat of which is held by AFNOR, in collaboration with Technical Committee ISO/TC 135 "Non-destructive testing".

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2009, and conflicting national standards shall be withdrawn at the latest by March 2009.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 13860-3:2003.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EC Directive(s).

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Non-destructive testing — Equipment for eddy current examination —

Part 3:

System characteristics and verification

1 Scope

This part of ISO 15548 identifies the functional characteristics of a general-purpose eddy current system and provides methods for their measurement and verification.

The evaluation of these characteristics permits a well-defined description and comparability of an eddy current equipment.

By careful choice of the characteristics, a consistent and effective eddy current examination system can be designed for a specific application.

Where accessories are used, these are characterised using the principles of this part of ISO 15548.

This part of ISO 15548 does not give the extent of verification nor acceptance criteria for the characteristics. These are given in the application documents.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 12718, *Non-destructive testing — Eddy current testing — Terminology*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 12718 apply.

4 System characteristics

4.1 General characteristics

The system is designed to examine a defined product or perform a defined measurement; the eddy current techniques implemented shall be specified. A system comprises the instrument, interconnecting elements (e.g. cable and slip rings), probe arrangement, mechanical arrangement, accessories and reference pieces.