

<b>STN</b>	<b>Nedeštruktívne skúšanie. Zariadenia na skúšanie vírivými prúdmi. Časť 1: Charakteristiky prístrojov a ich overovanie (ISO 15548-1: 2013).</b>	<b>STN EN ISO 15548-1</b>  01 5018
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Non-destructive testing - Equipment for eddy current examination - Part 1: Instrument characteristics and verification (ISO 15548-1:2013)

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Obsahuje: EN ISO 15548-1:2013, ISO 15548-1:2013

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English Version

## Non-destructive testing - Equipment for eddy current examination - Part 1: Instrument characteristics and verification (ISO 15548-1:2013)

Essais non destructifs - Appareillage pour examen par courants de Foucault - Partie 1: Caractéristiques de l'appareil et vérifications (ISO 15548-1:2013)

Zerstörungsfreie Prüfung - Technische Ausrüstung für die Wirbelstromprüfung - Teil 1: Kenngrößen von Prüfgeräten und deren Verifizierung (ISO 15548-1:2013)

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## Foreword

This document (EN ISO 15548-1:2013) has been prepared by Technical Committee ISO/TC 135 “Non-destructive testing” in collaboration with Technical Committee CEN/TC 138 “Non-destructive testing” the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by June 2014, and conflicting national standards shall be withdrawn at the latest by June 2014.

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 ISO 15548-1:2008.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

### Endorsement notice

The text of ISO 15548-1:2013 has been approved by CEN as EN ISO 15548-1:2013 without any modification.

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**Non-destructive testing — Equipment  
for eddy current examination —**

**Part 1:  
Instrument characteristics and  
verification**

*Essais non destructifs — Appareillage pour examen par courants  
de Foucault —*

*Partie 1: Caractéristiques de l'appareil et vérifications*





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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 documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2. [www.iso.org/directives](http://www.iso.org/directives)

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

The committee responsible for this document is ISO/TC 135, *Non-destructive Testing*, Subcommittee SC 4, *Eddy current methods*.

This second edition cancels and replaces the first edition (ISO 15548-1:2008), of which it constitutes a minor revision. It also incorporates the Correction ISO 15548-1:2008/Cor 1:2010.

ISO 15548 consists of the following parts, under the general title *Non-destructive testing — Equipment for eddy current examination*:

- *Part 1: Instrument characteristics and verification*
- *Part 2: Probe characteristics and verification*
- *Part 3: System characteristics and verification*



# Non-destructive testing — Equipment for eddy current examination —

## Part 1: Instrument characteristics and verification

### 1 Scope

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

The evaluation of these characteristics permits a well-defined description and comparability of 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 gives neither the extent of verification nor acceptance criteria for the characteristics. They are given in the application documents.

### 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 — Vocabulary*

ISO 15549, *Non-destructive testing — Eddy current testing — General principles*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**