



SLOVENSKI STANDARD SIST EN ISO 23243:2021

01-marec-2021

Nadomešča:
SIST EN 16018:2012

Neporušitvene preiskave - Terminologija - Izrazi, ki se uporabljajo pri ultrazvočnih preiskavah z matrično postavitvijo (phased array) (ISO 23243:2020)

Non-destructive testing - Terminology - Terms used in ultrasonic testing with phased arrays (ISO 23243:2020)

Zerstörungsfreie Prüfung - Terminologie - Begriffe der Ultraschallprüfung mit phasengesteuerten Arrays (ISO 23243:2020)

Essais non-destructifs - Terminologie - Termes utilisés pour le contrôle par ultrasons en multiéléments (ISO 23243:2020)

<https://standards.iteh.ai/catalog/standards/sist/2dda4f29-759a-4288-bae5-7c56bfd79f8d/sist-en-iso-23243-2021>

Ta slovenski standard je istoveten z: EN ISO 23243:2020

ICS:

01.040.19	Preskušanje (Slovarji)	Testing (Vocabularies)
19.100	Neporušitveno preskušanje	Non-destructive testing

SIST EN ISO 23243:2021

en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 23243:2021](#)

<https://standards.iteh.ai/catalog/standards/sist/2dda4f29-759a-4288-bae5-7c56bfd79f8d/sist-en-iso-23243-2021>

EUROPEAN STANDARD

EN ISO 23243

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2020

ICS 01.040.19; 19.100

Supersedes EN 16018:2011

English Version

Non-destructive testing - Ultrasonic testing with arrays - Vocabulary (ISO 23243:2020)

Essais non destructifs - Contrôle à l'aide de réseaux
ultrasonores - Vocabulaire (ISO 23243:2020)

Zerstörungsfreie Prüfung - Ultraschallprüfung mit
Arrays - Terminologie (ISO 23243:2020)

This European Standard was approved by CEN on 16 November 2020.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

<https://standards.iteh.ai/catalog/standards/sist/2dda4f29-759a-4288-bae5-7c56bfd79f8d/sist-en-iso-23243-2021>



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword.....	3

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 23243:2021
<https://standards.iteh.ai/catalog/standards/sist/2dda4f29-759a-4288-bae5-7c56bfd79f8d/sist-en-iso-23243-2021>

European foreword

This document (EN ISO 23243:2020) 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 2021, and conflicting national standards shall be withdrawn at the latest by June 2021.

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

This document supersedes EN 16018:2011.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

iTeh STANDARD PREVIEW
Endorsement notice
(standards.iteh.ai)

The text of ISO 23243:2020 has been approved by CEN as EN ISO 23243:2020 without any modification.

<https://standards.iteh.ai/catalog/standards/sist/2dda4f29-759a-4288-bae5-7c56bfd79f8d/sist-en-iso-23243-2021>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 23243:2021](#)

<https://standards.iteh.ai/catalog/standards/sist/2dda4f29-759a-4288-bae5-7c56bfd79f8d/sist-en-iso-23243-2021>

INTERNATIONAL
STANDARD

ISO
23243

First edition
2020-11

**Non-destructive testing — Ultrasonic
testing with arrays — Vocabulary**

*Essais non destructifs — Contrôle à l'aide de réseaux ultrasonores —
Vocabulaire*

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 23243:2021](https://standards.iteh.ai/catalog/standards/sist/2dda4f29-759a-4288-bae5-7c56bfd79f8d/sist-en-iso-23243-2021)

<https://standards.iteh.ai/catalog/standards/sist/2dda4f29-759a-4288-bae5-7c56bfd79f8d/sist-en-iso-23243-2021>



Reference number
ISO 23243:2020(E)

© ISO 2020

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 23243:2021](https://standards.iteh.ai/catalog/standards/sist/2dda4f29-759a-4288-bae5-7c56bfd79f8d/sist-en-iso-23243-2021)

<https://standards.iteh.ai/catalog/standards/sist/2dda4f29-759a-4288-bae5-7c56bfd79f8d/sist-en-iso-23243-2021>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2020

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword.....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
3.1 Terms related to sound.....	1
3.2 Terms related to the test equipment.....	1
3.2.1 Probes.....	1
3.2.2 Instruments.....	10
3.3 Terms related to testing.....	11
3.3.1 Testing techniques.....	11
3.3.2 Signals, presentations and indications.....	16
3.3.3 Evaluation of indications.....	19
Bibliography.....	20

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 23243:2021

<https://standards.iteh.ai/catalog/standards/sist/2dda4f29-759a-4288-bae5-7c56bfd79f8d/sist-en-iso-23243-2021>

ISO 23243:2020(E)

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 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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

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 135, *Non-destructive testing*, Subcommittee SC 3, *Ultrasonic testing*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 138, *Non-destructive testing*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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.

Introduction

This document follows a structure similar to that in ISO 5577 but only takes into account terms related to ultrasonic arrays.

The general terms already defined in ISO 5577 are also valid for ultrasonic arrays.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 23243:2021](https://standards.iteh.ai/catalog/standards/sist/2dda4f29-759a-4288-bae5-7c56bfd79f8d/sist-en-iso-23243-2021)

<https://standards.iteh.ai/catalog/standards/sist/2dda4f29-759a-4288-bae5-7c56bfd79f8d/sist-en-iso-23243-2021>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 23243:2021](#)

<https://standards.iteh.ai/catalog/standards/sist/2dda4f29-759a-4288-bae5-7c56bfd79f8d/sist-en-iso-23243-2021>