

SLOVENSKI STANDARD SIST EN 30012-1:1997

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Zahteve zagotavljanja kakovosti za merilno opremo - 1. del: Sistem meroslovnega potrjevanja merilne opreme (ISO 10012-1:1992)

Quality assurance requirements for measuring equipment - Part 1: Metrological confirmation system for measuring equipment (ISO 10012-1:1992)

Forderungen an die Qualitätssicherung für Meßmittel - Bestätigungssystem für Meßmittel (ISO 10012-1:1992) iTeh STANDARD PREVIEW

Exigences d'assurance de la qualité des équipements de mesure - Partie 1: Confirmation métrologique de l'équipement de mesure (ISO 10012-1:1992)

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> kakovosti quality assurance

17.020 Meroslovje in merjenje na Metrology and measurement

> splošno in general

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October 1993

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English version

Quality assurance requirements for measuring equipment - Part 1: Metrological confirmation system for measuring equipment (ISO 10012-1:1992)

Exigences d'assurance de la qualité des PPREV Forderungen an die Qualitätssicherung für équipements de mesure - Partie 1: Confirmation PPREV Meßmittel - Bestätigungssystem für Meßmittel métrologique de l'équipement de mesure (ISO 10012-1:1992)

<u>SIST EN 30012-1:1997</u> https://standards.iteh.ai/catalog/standards/sist/ac329248-d0af-4aee-9dae-296d9231cdc4/sist-en-30012-1-1997

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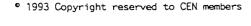
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CEN

European Committee for Standardization Comité Européen de Normalisation Europäisches Komitee für Normung

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INTERNATIONAL STANDARD

ISO 10012-1

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Quality assurance requirements for measuring equipment —

Part 1:

iTeh SMetrological confirmation system for measuring equipment

SIST EN 30012-1:1997

https://standards.iExigences.d'assurance.de la qualité des équipements de mesure — Partie 1: Confirmation métrologique de l'équipement de mesure



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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.

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.

International Standard ISO 10012-1 was prepared by Technical Committee ISO/TC 176, Quality management and quality assurance, Sub-Committee SC 3, Supporting technologies.

ISO 10012 consists of the following parts, under the general title Quality doaf-4aec-9dae-assurance requirements for measuring equipment 31cdc4/sist-en-30012-1-1997

- Part 1: Metrological confirmation system for measuring equipment
- Part 2: Measurement assurance

Annex A is based on Organisation Internationale de Métrologie Légale (OIML) International Document No. 10, Guidelines for the determination of recalibration intervals of measuring equipment used in testing laboratories.

Annexes A and B of this part of ISO 10012 are for information only.

Introduction

This part of ISO 10012 is written in the context of a Purchaser and a Supplier, both terms being interpreted in the broadest sense. The "Supplier" may be a manufacturer, an installer or a servicing organization responsible for providing a product or a service. The "Purchaser" may be a procurement authority or a customer using a product or service. Suppliers become Purchasers when procuring supplies and services from vendors or other outside sources. The subject of the negotiations relating to this part of ISO 10012 may be a design, an artefact, a product or a service. This part of ISO 10012 may be applied, by agreement, to other situations.

Reference to this part of ISO 10012 may be made:

iTeh STANDARD PRE when specifying products or services required;

by a Supplier when specifying products or services offered; (standards.iteh.ai)

 by consumer or employeé interests, or by legislative or regulatory bodies; 30012-1:1997

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This part of ISO 10012 includes both requirements and (in clause 4) guidance on the implementation of the requirements.

In order to distinguish clearly between requirements and guidance, in clause 4 the latter appears in italic type-face, in a box, after each corresponding paragraph under the heading "GUIDANCE".

The text under "GUIDANCE" is for information only and contains no requirements. Statements given there are not to be construed as adding to, limiting or modifying any requirement.

NOTE 1 Use of the masculine gender in this part of ISO 10012 is not meant to exclude the feminine gender where applied to persons. Similarly, use of the singular does not exclude the plural (and vice versa) when the sense allows.

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Quality assurance requirements for measuring equipment —

Part 1:

Metrological confirmation system for measuring equipment

Scope

1.1 This part of ISO 10012 contains quality assurmeasurements for a Supplier to ensure that measurements are made with the intended accuracy. ds.iteh.ai)

1.5 The role of the Purchaser in monitoring a Supplier to ensure that implementation of the purchaser in monitoring a Supplier to ensure that implementation of the purchaser in monitoring a Supplier to ensure that implementation of the purchaser in monitoring a Supplier to ensure that implementation of the purchaser in monitoring a Supplier to ensure that implementation of the purchaser in monitoring a Supplier to ensure that implementation of the purchaser in monitoring a Supplier to ensure that implementation of the purchaser in monitoring a Supplier to ensure that implementation of the purchaser in monitoring a Supplier to ensure that implementation of the purchaser in monitoring a Supplier to ensure that implementation of the purchaser in monitoring a Supplier to ensure the implementation of the purchaser in monitoring and the purchaser in monitoring and the purchaser in the purchaser i requirements.

used to demonstrate compliance with specified requirements.

- to other organizations where measurement is

- plier's compliance with the requirements of this part of ISO 10012 may be fulfilled by a third party, such https://standards.iteh.ai/catalog/standards/si as an accreditation of certification body.
- 1.2 This part of ISO 10012 specifies the main feast-en-30012 tures of the confirmation system to be used for a Supplier's measuring equipment.
- 1.3 This part of ISO 10012 is applicable to measuring equipment used in the demonstration of compliance with a specification: it does not apply to other items of measuring equipment. This part of ISO 10012 does not deal extensively with other elements that may affect measurement results such as methods of measurement, competence of personnel etc.; these are dealt with more specifically in other International Standards, such as those referred to in 1.4.
- This part of ISO 10012 is applicable:
- to testing laboratories, including those providing a calibration service; this includes laboratories operating a quality system in accordance with ISO/IEC Guide 25;
- to Suppliers of products or services who operate a quality system in which measurement results are used to demonstrate compliance with specified requirements; this includes operating systems that meet the requirements of ISO 9001, ISO 9002 and ISO 9003. The guidance given in ISO 9004 is also relevant;

Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 10012. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 10012 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 8402:1986, Quality - Vocabulary.

ISO 9001:1987, Quality systems — Model for quality assurance in design/development, production, installation and servicing.

ISO 9002:1987, Quality systems — Model for quality assurance in production and installation.

ISO 9003:1987, Quality systems — Model for quality assurance in final inspection and test.

ISO 9004:1987, Quality management and quality system elements — Guidelines.