SLOVENSKI STANDARD
SIST EN ISO 10012:2003

01-julij-2003

Nadomešča:
SIST EN 30012-1:1997
SIST ISO 10012-1:1996
SIST ISO 10012-2:1998

Sistemi vodenja meritev – Zahteve za procese merjenja in merilno opremo (ISO 10012:2003)

Measurement management systems - Requirements for measurement processes and measuring equipment (ISO 10012:2003)

Messlenkungssysteme - Anforderungen an Messprozesse und Messmittel (ISO 10012:2003)

Systemes de management de la mesure - Exigences pour les processus et les équipements de mesure (ISO 10012:2003)

Ta slovenski standard je istoveten z: **EN ISO 10012:2003**

ICS:

03.120.10	Vodenje in zagotavljanje kakovosti	Quality management and quality assurance
17.020	Meroslovje in merjenje na splošno	Metrology and measurement in general

SIST EN ISO 10012:2003 **sl,en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 10012

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ICS 03.120.10; 17.020

Supersedes EN 30012-1:1993

English version

Measurement management systems - Requirements for measurement processes and measuring equipment (ISO 10012:2003)

Systèmes de management de la mesure - Exigences pour les processus et les équipements de mesure (ISO 10012:2003)

Messlenkungssysteme - Anforderungen an Messprozesse und Messmittel (ISO 10012:2003)

This European Standard was approved by CEN on 25 March 2003.

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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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

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

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Foreword

This document (EN ISO 10012:2003) has been prepared by Technical Committee ISO/TC 176 "Quality management and quality assurance" in collaboration with CMC.

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 October 2003, and conflicting national standards shall be withdrawn at the latest by October 2003.

This document supersedes EN 30012-1:1993.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of ISO 10012:2003 has been approved by CEN as EN ISO 10012:2003 without any modifications.

NOTE Normative references to International Standards are listed in Annex ZA (normative).

Annex ZA
(normative)

Normative references to international publications with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE Where an International Publication has been modified by common modifications, indicated by (mod.), the relevant EN/HD applies.

Publication	Year	Title	EN	Year
ISO 9000	2000	Quality management systems - Fundamentals and vocabulary	EN ISO 9000	2000

INTERNATIONAL STANDARD

ISO 10012

First edition
2003-04-15

Measurement management systems — Requirements for measurement processes and measuring equipment

Systèmes de management de la mesure — Exigences pour les processus et les équipements de mesure

Reference number
ISO 10012:2003(E)

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Contents

Page

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.

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 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.

ISO 10012 was prepared by Technical Committee ISO/TC 176, *Quality management and quality assurance*, Subcommittee SC 3, *Supporting technologies*.

This first edition of ISO 10012 cancels and replaces ISO 10012-1:1992 and ISO 10012-2:1997, of which it constitutes a technical revision.

Introduction

An effective measurement management system ensures that measuring equipment and measurement processes are fit for their intended use and is important in achieving product quality objectives and managing the risk of incorrect measurement results. The objective of a measurement management system is to manage the risk that measuring equipment and measurement processes could produce incorrect results affecting the quality of an organization's product. The methods used for the measurement management system range from basic equipment verification to the application of statistical techniques in the measurement process control.

In this International Standard, the term "measurement process" applies to physical measurement activities (e.g. in design, test, production, inspection).

References to this International Standard can be made

— by a customer when specifying products required,

— by a supplier when specifying products offered,

— by legislative or regulatory bodies, and

— in assessment and audit of measurement management systems.

One of the stated management principles in ISO 9000 addresses the process-oriented approach. Measurement processes should be considered as specific processes aiming to support the quality of the products produced by the organization. Application of the measurement management system model applicable to this International Standard is shown in Figure 1.

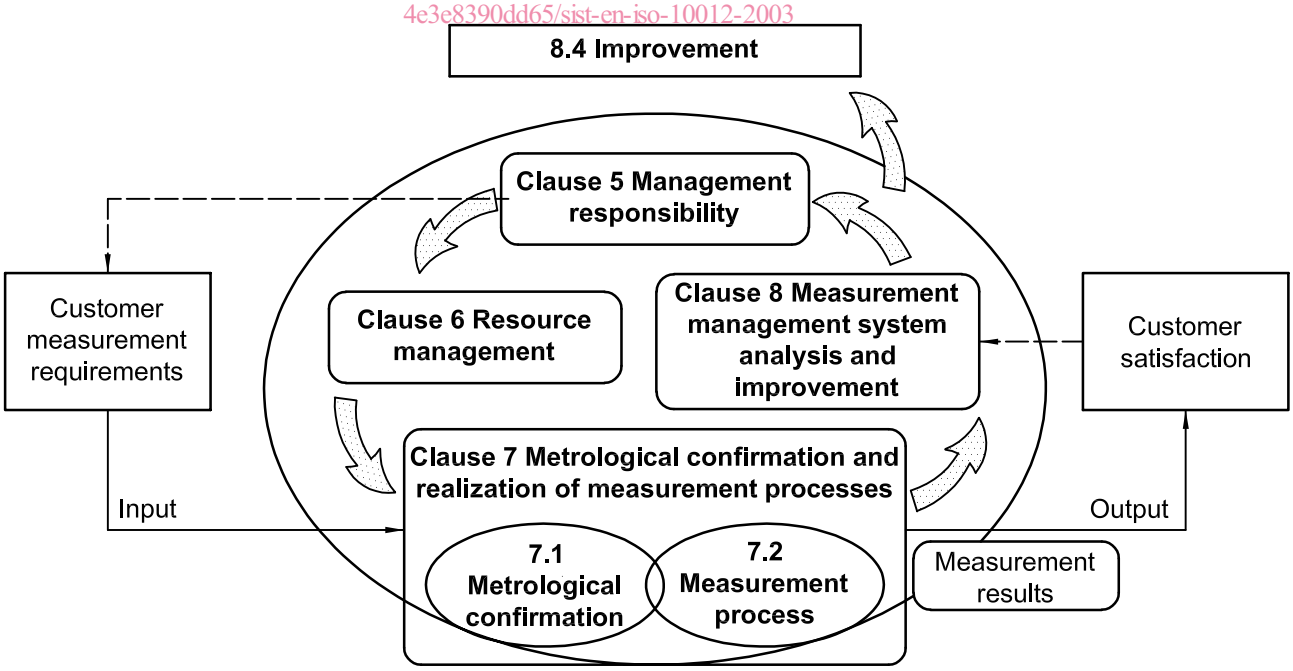

Figure 1 — Model of measurement management system

This International Standard includes both requirements and guidance for implementation of measurement management systems, and can be useful in improving measurement activities and the quality of products. The requirements appear in normal typeface. Guidance appears in italic typeface within a box after the appropriate requirement paragraph. Guidance is for information only and is not to be construed as adding to, limiting, or modifying any requirement.

Organizations have the responsibility to determine the level of controls needed and to specify the measurement management system requirements to be applied as part of their overall management system. Except by agreement, this International Standard is not intended to add to, subtract from, or replace any requirements of other standards.

Following the requirements laid down in this International Standard will facilitate compliance with requirements for measurements and measurement process control specified in other standards, for example, ISO 9001:2000, Subclause 7.6, and ISO 14001:1996, Subclause 4.5.1.