



SLOVENSKI STANDARD SIST EN ISO 14155:2011

01-april-2011

Nadomešča:

SIST EN ISO 14155-1:2009

SIST EN ISO 14155-2:2009

Klinične raziskave medicinskih pripomočkov za ljudi - Dobre klinične prakse (ISO 14155:2011)

Clinical investigation of medical devices for human subjects - Good clinical practice (ISO 14155:2011)

iTeh STANDARD PREVIEW

Klinische Prüfung von Medizinprodukten an Menschen - Gute klinische Praxis (ISO 14155:2011)

[SIST EN ISO 14155:2011](https://standards.iten.si/catalog/standards/sist/15e37d54-b2c1-4d4c-b4f5-19266d1dde28/sist-en-iso-14155-2011)

Investigation clinique des dispositifs médicaux pour sujets humains - Bonnes pratiques cliniques (ISO 14155:2011)

Ta slovenski standard je istoveten z: EN ISO 14155:2011

ICS:

11.040.01	Medicinska oprema na splošno	Medical equipment in general
-----------	------------------------------	------------------------------

SIST EN ISO 14155:2011 en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 14155:2011

<https://standards.iteh.ai/catalog/standards/sist/15e37d54-a2c1-4d4c-b4f1-f9266d1dde28/sist-en-iso-14155-2011>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 14155

February 2011

ICS 11.100.20

Supersedes EN ISO 14155-1:2009, EN ISO 14155-2:2009

English Version

Clinical investigation of medical devices for human subjects - Good clinical practice (ISO 14155:2011)

Investigation clinique des dispositifs médicaux pour sujets
humains - Bonnes pratiques cliniques (ISO 14155:2011)

Klinische Prüfung von Medizinprodukten an Menschen -
Gute klinische Praxis (ISO 14155:2011)

This European Standard was approved by CEN on 10 December 2010.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

<https://standards.iteh.ai/catalog/standards/sist/15e37d54-a2c1-4d4c-b4f1-f9266d1dde28/sist-en-iso-14155-2011>



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents	Page
Foreword.....	3
Annex ZA	4
Annex ZB	5

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 14155:2011](https://standards.iteh.ai/catalog/standards/sist/15e37d54-a2c1-4d4c-b4fl-f9266d1dde28/sist-en-iso-14155-2011)
<https://standards.iteh.ai/catalog/standards/sist/15e37d54-a2c1-4d4c-b4fl-f9266d1dde28/sist-en-iso-14155-2011>

Foreword

This document (EN ISO 14155:2011) has been prepared by Technical Committee ISO/TC 194 "Biological evaluation of medical devices" in collaboration with Technical Committee CEN/TC 258 "Clinical investigation of medical devices" the secretariat of which is held by DIN.

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 August 2011, and conflicting national standards shall be withdrawn at the latest by August 2011.

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 14155-1:2009 and EN ISO 14155-2:2009.

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 EU Directive(s).

For relationship with EU Directives, see informative Annexes ZA and ZB, which are an integral part of this document.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

<https://standards.iteh.ai/catalog/standards/sist/15e37d54-a2c1-4d4c-b4f1-f9266d1dde28/sist-en-iso-14155-2011>

Endorsement notice

The text of ISO 14155:2011 has been approved by CEN as a EN ISO 14155:2011 without any modification.

Annex ZA (informative)

Relationship between this European Standard and the Essential Requirements of EU Directive 93/42/EEC on Medical Devices

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide a means of conforming to Essential Requirements of the New Approach Directive 93/42/EEC on Medical Devices

Once this standard is cited in the Official Journal of the European Union under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this standard confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

NOTE This standard is specifically intended to provide a means for getting presumption of conformity to the part of Essential Requirement 6a that refers to clinical investigations, as developed in Annex X, 2nd part (2.1 to 2.3.7) of the above-mentioned directive.

WARNING — Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this standard.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 14155:2011](https://standards.iteh.ai/catalog/standards/sist/15e37d54-a2c1-4d4c-b4fl-f9266d1dde28/sist-en-iso-14155-2011)

<https://standards.iteh.ai/catalog/standards/sist/15e37d54-a2c1-4d4c-b4fl-f9266d1dde28/sist-en-iso-14155-2011>

Annex ZB (informative)

Relationship between this European Standard and the Essential Requirements of EU Directive 90/385/EEC on active implantable medical devices

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide a means of conforming to Essential Requirements of the New Approach Directive 93/42/EEC on Medical Devices

Once this standard is cited in the Official Journal of the European Union under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this standard confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

NOTE This standard is specifically intended to provide a means for getting presumption of conformity to the part of Essential Requirement 5. that refers to clinical investigations, as developed in Annex 7, 2nd part (2.1 to 2.3.7) of the above mentioned directive.

WARNING — Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this standard.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 14155:2011](https://standards.iteh.ai/catalog/standards/sist/15e37d54-a2c1-4d4c-b4f1-f9266d1dde28/sist-en-iso-14155-2011)

<https://standards.iteh.ai/catalog/standards/sist/15e37d54-a2c1-4d4c-b4f1-f9266d1dde28/sist-en-iso-14155-2011>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 14155:2011

<https://standards.iteh.ai/catalog/standards/sist/15e37d54-a2c1-4d4c-b4f1-f9266d1dde28/sist-en-iso-14155-2011>

INTERNATIONAL STANDARD

ISO
14155

Second edition
2011-02-01

Clinical investigation of medical devices for human subjects — Good clinical practice

*Investigation clinique des dispositifs médicaux pour sujets humains —
Bonnes pratiques cliniques*

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 14155:2011](https://standards.iteh.ai/catalog/standards/sist/15e37d54-a2c1-4d4c-b4fl-f9266d1dde28/sist-en-iso-14155-2011)

[https://standards.iteh.ai/catalog/standards/sist/15e37d54-a2c1-4d4c-b4fl-
f9266d1dde28/sist-en-iso-14155-2011](https://standards.iteh.ai/catalog/standards/sist/15e37d54-a2c1-4d4c-b4fl-f9266d1dde28/sist-en-iso-14155-2011)



Reference number
ISO 14155:2011(E)

© ISO 2011

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 14155:2011](https://standards.iteh.ai/catalog/standards/sist/15e37d54-a2c1-4d4c-b4fl-f9266d1dde28/sist-en-iso-14155-2011)

<https://standards.iteh.ai/catalog/standards/sist/15e37d54-a2c1-4d4c-b4fl-f9266d1dde28/sist-en-iso-14155-2011>

**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2011

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Ethical considerations	7
4.1 General	7
4.2 Improper influence or inducement	8
4.3 Compensation and additional health care	8
4.4 Responsibilities	8
4.5 Communication with the ethics committee (EC)	8
4.5.1 General	8
4.5.2 Initial EC submission	8
4.5.3 Information to be obtained from the EC	9
4.5.4 Continuing communication with the EC	9
4.5.5 Continuing information to be obtained from the EC	9
4.6 Vulnerable populations	9
4.7 Informed consent	10
4.7.1 General	10
4.7.2 Process of obtaining informed consent	10
4.7.3 Special circumstances for informed consent	10
4.7.4 Information to be provided to the subject	11
4.7.5 Informed consent signature	13
4.7.6 New information	13
5 Clinical investigation planning	14
5.1 General	14
5.2 Risk evaluation	14
5.3 Justification for the design of the clinical investigation	14
5.4 Clinical investigation plan (CIP)	14
5.5 Investigator's brochure (IB)	15
5.6 Case report forms (CRFs)	15
5.7 Monitoring plan	15
5.8 Investigation site selection	15
5.9 Agreement(s)	15
5.10 Labelling	15
5.11 Data monitoring committee (DMC)	16
6 Clinical investigation conduct	16
6.1 General	16
6.2 Investigation site initiation	16
6.3 Investigation site monitoring	16
6.4 Adverse events and device deficiencies	16
6.4.1 Adverse events	16
6.4.2 Device deficiencies	16
6.5 Clinical investigation documents and documentation	17
6.5.1 Amendments	17
6.5.2 Subject identification log	17
6.5.3 Source documents	17
6.6 Additional members of the investigation site team	17
6.7 Subject privacy and confidentiality of data	17
6.8 Document and data control	18

ISO 14155:2011(E)

6.8.1	Traceability of documents and data	18
6.8.2	Recording of data	18
6.8.3	Electronic clinical data systems	18
6.9	Investigational device accountability	19
6.10	Accounting for subjects.....	19
6.11	Auditing	19
7	Suspension, termination and close-out of the clinical investigation.....	20
7.1	Suspension or premature termination of the clinical investigation	20
7.1.1	Procedure for suspension or premature termination	20
7.1.2	Procedure for resuming the clinical investigation after temporary suspension	21
7.2	Routine close-out.....	21
7.3	Clinical investigation report	21
7.4	Document retention	22
8	Responsibilities of the sponsor	22
8.1	Clinical quality assurance and quality control	22
8.2	Clinical investigation planning and conduct	23
8.2.1	Selection of clinical personnel.....	23
8.2.2	Preparation of documents and materials	23
8.2.3	Conduct of clinical investigation	24
8.2.4	Monitoring	24
8.2.5	Safety evaluation and reporting	27
8.2.6	Clinical investigation close-out.....	27
8.3	Outsourcing of duties and functions.....	28
8.4	Communication with regulatory authorities	28
9	Responsibilities of the principal investigator.....	28
9.1	General.....	28
9.2	Qualification of the principal investigator.....	28
9.3	Qualification of investigation site	29
9.4	Communication with the EC	29
9.5	Informed consent process.....	29
9.6	Compliance with the CIP	29
9.7	Medical care of subjects	30
9.8	Safety reporting	31
Annex A	(normative) Clinical investigation plan (CIP).....	32
Annex B	(normative) Investigator's brochure (IB).....	39
Annex C	(informative) Case report forms (CRFs)	41
Annex D	(informative) Clinical investigation report.....	43
Annex E	(informative) Essential clinical investigation documents.....	48
Annex F	(informative) Adverse event categorization	55
Bibliography	58

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 14155 was prepared by Technical Committee ISO/TC 194, *Biological evaluation of medical devices*.

This second edition cancels and replaces the first edition of ISO 14155-1:2003 and the first edition of ISO 14155-2:2003, which have been technically revised.

THIS STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 14155:2011](https://standards.iteh.ai/catalog/standards/sist/15e37d54-a2c1-4d4c-b4fl-f9266d1dde28/sist-en-iso-14155-2011)

<https://standards.iteh.ai/catalog/standards/sist/15e37d54-a2c1-4d4c-b4fl-f9266d1dde28/sist-en-iso-14155-2011>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 14155:2011

<https://standards.iteh.ai/catalog/standards/sist/15e37d54-a2c1-4d4c-b4fl-f9266d1dde28/sist-en-iso-14155-2011>

Clinical investigation of medical devices for human subjects — Good clinical practice

1 Scope

This International Standard addresses good clinical practice for the design, conduct, recording and reporting of clinical investigations carried out in human subjects to assess the safety or performance of medical devices for regulatory purposes.

The principles set forth in this International Standard also apply to all other clinical investigations and should be followed as far as possible, considering the nature of the clinical investigation and the requirements of national regulations.

This International Standard specifies general requirements intended to

- protect the rights, safety and well-being of human subjects,
- ensure the scientific conduct of the clinical investigation and the credibility of the clinical investigation results,
- define the responsibilities of the sponsor and principal investigator, and
- assist sponsors, investigators, ethics committees, regulatory authorities and other bodies involved in the conformity assessment of medical devices.

It does not apply to *in vitro* diagnostic medical devices.

NOTE Standards developed by ISO/TC 194 are intended to be applied to medical devices. Users of this International Standard will need to consider whether other standards and/or requirements also apply to the investigational device(s) under consideration.

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 14971:2007, *Medical devices — Application of risk management to medical devices*