



SLOVENSKI STANDARD
kSIST FprEN ISO 15535:2012
01-september-2012

Splošne zahteve za ustanovitev banke antropometričnih podatkov (ISO/FDIS 15535:2012)

General requirements for establishing anthropometric databases (ISO/FDIS 15535:2012)

Allgemeine Anforderungen an die Einrichtung anthropometrischer Datenbanken (ISO/FDIS 15535:2012)

Exigences générales pour la création de bases de données anthropométriques (ISO/FDIS 15535:2012)

Ta slovenski standard je istoveten z: **FprEN ISO 15535**

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13.180 Ergonomija Ergonomics

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

FINAL DRAFT
FprEN ISO 15535

June 2012

ICS 13.180

Will supersede EN ISO 15535:2006

English Version

General requirements for establishing anthropometric databases (ISO/FDIS 15535:2012)

Exigences générales pour la création de bases de données
anthropométriques (ISO/FDIS 15535:2012)

Allgemeine Anforderungen an die Einrichtung
anthropometrischer Datenbanken (ISO/FDIS 15535:2012)

This draft European Standard is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 122.

If this draft becomes a European Standard, 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.

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Foreword

This document (FprEN ISO 15535:2012) has been prepared by Technical Committee ISO/TC 159 "Ergonomics" in collaboration with Technical Committee CEN/TC 122 "Ergonomics" the secretariat of which is held by DIN.

This document is currently submitted to the Unique Acceptance Procedure.

This document will supersede EN ISO 15535:2006.

Endorsement notice

The text of ISO/FDIS 15535:2012 has been approved by CEN as a FprEN ISO 15535:2012 without any modification.

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General requirements for establishing anthropometric databases

*Exigences générales pour la création de bases de données
anthropométriques*

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Reference number
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ISO/CEN PARALLEL PROCESSING

This Minor Revision has been developed within the International Organization for Standardization (ISO), and processed under the **ISO-lead** mode of collaboration as defined in the Vienna Agreement.

This final draft is hereby submitted to a parallel two-month approval vote in ISO and three-month UAP vote in CEN.

Positive votes shall not be accompanied by comments.

Negative votes shall be accompanied by the relevant technical reasons.

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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.

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 15535 was prepared by Technical Committee ISO/TC 159, *Ergonomics*, Subcommittee SC 3, *Anthropometry and biomechanics*.

This third edition cancels and replaces the second edition (ISO 15535:2006), of which it constitutes a minor revision. Among other modifications, Annex I has been added to improve clarity.

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ISO/FDIS 15535:2012(E)**Introduction**

The well-being of people is very much dependent on their proportional and geometric relationship with several factors, such as growth, design principles for clothing, transportation, workplace and homes, as well as sporting and recreational activities. Implementation of databases on body dimensions of a population supports essential health and safety requirements, as well as International Standards in the field of machinery safety and personal protective equipment, and has acquired importance in the devising of computer-generated manikins of the human body.

One of the major difficulties in formulating international databases on anthropometry is that the numerous existing studies are rarely comparable in the strictest sense. Difficulties arise in comparing one study with another because either the methods used differ or they are not sufficiently well described. The anthropometric standards used for the data collection are fundamental to setting up any anthropometric databases.

This International Standard is intended to be used in close conjunction with ISO 7250-1. The ultimate goal is that a database developed by one researcher could be easily used by other researchers. This would be in a form that is readily accessible by those responsible for developing standards in support of good design and health and safety requirements (e.g. ISO 15534 and ISO 14738). To achieve this goal, it has been necessary to develop an appropriate International Standard to ensure that anthropometric databases and their associated reports are internationally compatible.

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