SLOVENSKI STANDARD
oSIST prEN ISO 80000-3:2017

01-oktober-2017

Veličine in enote - 3. del: Prostor in čas (ISO/DIS 80000-3:2017)

Quantities and units - Part 3: Space and time (ISO/DIS 80000-3:2017)

Größen und Einheiten - Teil 3: Raum und Zeit (ISO/DIS 80000-3:2017)

Grandeurs et unités - Partie 3: Espace et temps (ISO/DIS 80000-3:2017)

Ta slovenski standard je istoveten z: **prEN ISO 80000-3**

ICS:

01.060	Veličine in enote	Quantities and units
07.030	Fizika. Kemija	Physics. Chemistry

oSIST prEN ISO 80000-3:2017 **en,fr,de**

DRAFT INTERNATIONAL STANDARD

ISO/DIS 80000-3

ISO/TC **12**

Secretariat: **SIS**

Voting begins on:
2017-07-14

Voting terminates on:
2017-10-05

Quantities and units —

Part 3:
Space and time

Grandeurs et unités —

Partie 3: Espace et temps

ICS: 01.060

This document is circulated as received from the committee secretariat.

This draft is submitted to a parallel vote in ISO and in IEC.

ISO/CEN PARALLEL PROCESSING

Reference number
ISO/DIS 80000-3:2017(E)

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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.

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 on 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 the following URL: www.iso.org/iso/foreword.html.

The committee responsible for this document is ISO/TC 12, *Quantities, units, symbols*.

This second edition cancels and replaces the first edition (ISO 80000-3:2006).

ISO 80000 consists of the following parts, under the general title *Quantities and units*:

— *Part 1: General*

— *Part 2: Mathematics*

— *Part 3: Space and time*

— *Part 4: Mechanics*

— *Part 5: Thermodynamics*

— *Part 7: Light and Radiation*

— *Part 8: Acoustics*

— *Part 9: Physical chemistry and molecular physics*

— *Part 10: Atomic and nuclear physics*

— *Part 11: Characteristic numbers*

— *Part 12: Condensed matter physics*

IEC 80000 consists of the following parts, under the general title *Quantities and units*:

— *Part 6: Electromagnetism*

— *Part 13: Information science and technology*

Quantities and units — Part 3: Space and time

1 Scope

ISO 80000-3 gives names, symbols, definitions, and units for quantities of space and time.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 80000-2, *Quantities and units — Part 2: Mathematics*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

The names, symbols, definitions, and units for quantities of space and time are given on the following pages.

Item No.	Quantity			Unit	Remarks
	Name	Symbol	Definition	Symbol	
3-1.1	length	*l, L*	linear extent in space between any two points	m	Length need not necessarily be measured along a straight line. Length is one of the seven base quantities in the International System of Quantities, ISQ, (ISO 80000-1).
3-1.2	width, breadth	*b, B*	minimum length of a straight line segment between two parallel straight lines (in two dimensions) or planes (in three dimensions) that enclose a given geometrical shape	m	This quantity is non-negative. The geometrical shape need not necessarily be a material body, but can also be empty space.
3-1.3	height, depth, altitude	*h, H*	minimum length of a straight line segment between a point and a reference line or reference surface	m	This quantity is usually signed. The sign expresses the position of the particular point with respect to the reference line or surface and is chosen by convention. The symbol *H* is often used to denote altitude, i.e. height above sea level.
3-1.4	thickness	*d, δ*	width (item 3-1.2)	m	This quantity is non-negative.
3-1.5 (*3-1.7*)	diameter	*d, D*	width (item 3-1.2) of a circle, cylinder or sphere	m	This quantity is non-negative.
3-1.6 (*3-1.5*)	radius	*r, R*	half of a diameter (item 3-1.5)	m	This quantity is non-negative.