

**NAMS 80000-1:2018**

First Edition

**ISO 80000-1:2018**

First Edition

## **NAMIBIAN STANDARD**

### **Quantities and Units**

#### **Part 1: General**

This Namibian standard is the modified implementation of ISO 80000-1:2009 and is adopted with the permission of the International Organization of Standardization

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## National Foreword

This Namibian National Standard was approved by National Committee NSI TC 9 Metrology in accordance with the procedures of the NSI and in compliance with Annex 3 of the WTO/TBT Agreement.

As a signatory to the TBT agreement, Namibia is obliged to use international standards as a basis for local standards and to introduce differences only when necessary. The national committee NSI TC 9 Metrology has therefore decided to effect certain changes to the standard to accommodate local requirements.

The changes are detailed as follows:

The national committee agreed to use the point instead of a comma as a decimal sign, under clause 7.3.2 Decimal sign page 27 of the ISO 80000-1:2009 standard. No other changes were made to the technical content of the standard.

This NAMS Standard was published in February 2018.

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## Quantities and units

### Part 1: General

*Grandeurs et unités*

*Partie 1: Généralités*

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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 ISO 80000-1 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 80000-1 was prepared by Technical Committee ISO/TC 12, *Quantities and units* in co-operation with IEC/TC 25, *Quantities and units*.

This first edition of ISO 80000-1 cancels and replaces ISO 31-0:1992 and ISO 1000:1992. It also incorporates the Amendments ISO 31-0:1992/Amd.1:1998, ISO 31-0:1992/Amd.2:2005 and ISO 1000:1992/Amd.1:1998. The major technical changes from the previous standard are the following:

- the structure has been changed to emphasize that quantities come first and units then follow;
- definitions in accordance with ISO/IEC Guide 99:2007 have been added;
- Annexes A and B have become normative;
- a new normative Annex C has been added.

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

- *Part 1: General*
- *Part 2: Mathematical signs and symbols to be used in the natural sciences and technology*
- *Part 3: Space and time*
- *Part 4: Mechanics*
- *Part 5: Thermodynamics*
- *Part 7: Light*
- *Part 8: Acoustics*
- *Part 9: Physical chemistry and molecular physics*
- *Part 10: Atomic and nuclear physics*
- *Part 11: Characteristic numbers*
- *Part 12: Solid state physics*

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

- *Part 6: Electromagnetism*
- *Part 13: Information science and technology*
- *Part 14: Telebiometrics related to human physiology*