

INTERNATIONAL
STANDARD

ISO/IEC
9995-8

First edition
1994-08-15

**Information technology — Keyboard
layouts for text and office systems —**

Part 8:

Allocation of letters to the keys of a numeric
keypad

[ISO/IEC 9995-8:1994](https://standards.iteh.ai/standards/iec-9995-8-1994)

<https://standards.iteh.ai/standards/iec-9995-8-1994> Technologies de l'information — Disposition des claviers conçus pour la
bureautique — [iec-9995-8-1994](https://standards.iteh.ai/standards/iec-9995-8-1994)

Partie 8: Affectation de lettres aux touches d'un pavé numérique



Reference number
ISO/IEC 9995-8:1994(E)

Contents

	Page
1 Scope	1
2 Conformance	1
3 Normative references	1
4 Definitions	1
5 Arrangement and location	1
6 Allocation of the letters to the keys	2
Annex	
A Bibliography	3

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Printed in Switzerland

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

International Standard ISO/IEC 9995-8 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 18, *Document processing and related communication*.

<https://standards.iso.org/iso-iec-9995-8-1994>

This first edition supersedes all or part of

ISO 1090: 1981

ISO 1091:1977

ISO 1092:1974

ISO 1093:1981

ISO 2126:1975

ISO 2530:1975

ISO 3243:1975

ISO 3244:1984

ISO 4169:1979

ISO 8884:1988.

ISO/IEC 9995 consists of the following parts, under the general title *Information technology — Keyboard layouts for text and office systems*:

- *Part 1: General principles governing keyboard layouts*
- *Part 2: Alphanumeric section*

- *Part 3: Complementary layouts of the alphanumeric zone of the alphanumeric section*
- *Part 4: Numeric section*
- *Part 5: Editing section*
- *Part 6: Function section*
- *Part 7: Symbols used to represent functions*
- *Part 8: Allocation of letters to the keys of a numeric keypad*

Annex A of this part of ISO/IEC 9995 is for information only.

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Information technology — Keyboard layouts for text and office systems —

Part 8:

Allocation of letters to the keys of a numeric keypad

1 Scope

Within the general scope described in ISO/IEC 9995-1, this part of ISO/IEC 9995 specifies the allocation of letters to the keys of the numeric zone ZN0 of a keyboard which has the ten digits zero to nine allocated in the "1-2-3" layout. The layout specified in this part of ISO/IEC 9995 is intended for applications of information technology equipment keyboards where letters instead of digits are used for the mnemonic retention of numeric information.

The use of letters on the numeric zone ZN0 for the mnemonic retention of numeric information is strongly deprecated on keyboards which also contain an alphanumeric section. The inclusion of two sets of alphabetical symbols used in different ways could confuse the user of the keyboard.

2 Conformance

A keyboard is in conformance with this part of ISO/IEC 9995 if it meets the requirements of clauses 5 and 6.

3 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions

of this part of ISO/IEC 9995. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO/IEC 9995 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO/IEC 9995-1:1994, *Information technology — Keyboard layouts for text and office systems — Part 1: General principles governing keyboard layouts.*

ISO/IEC 9995-4:1994, *Information technology — Keyboard layouts for text and office systems — Part 4: Numeric section.*

4 Definitions

For the purposes of this part of ISO/IEC 9995, the definitions given in ISO/IEC 9995-1 apply.

5 Arrangement and location

For this part of ISO/IEC 9995 to apply, a keyboard shall contain a numeric zone ZN0 with the keys arranged and located as specified in clause 6 of ISO/IEC 9995-4. The ten digits zero to nine shall be allocated to the keys in the "1-2-3" layout as specified in 8.1 of ISO/IEC 9995-4.

6 Allocation of the letters to the keys

The 26 letters of the Latin alphabet are associated with the digits as shown in table 1 and are allocated to the keys as shown in that table. The association of a letter with a digit is made only as a mnemonic aid to the user of the keyboard. No numerical value is given to the letter.

When a key is actuated, the signal sent to the associated system shall be the same as the signal which is sent for the digit which is allocated to the key.

Table 1 — Allocation of letters to the keys and association of the letters to the digits

Key	Letters	Office and telematic function
A52		digit zero
D51		digit one
D52	ABC	digit two
D53	DEF	digit three
C51	GHI	digit four
C52	JKL	digit five
C53	MNO	digit six
B51	PQRS	digit seven
B52	TUV	digit eight
B53	WXYZ	digit nine

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Annex A (informative)

Bibliography

- [1] ISO 9564-1:1991, *Banking — Personal Identification Number management and security — Part 1: PIN protection principles and techniques*.
- [2] ITU-TS Recommendation E.161 — *Arrangement of figures, letters and symbols on telephones and other devices that can be used for gaining access to a telephone network*.
- [3] IEC 948 *Numeric keyboard for home electronic systems (HES)*.

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ICS 35.180.00

Descriptors: data processing, data processing equipment, office machines, typewriters, keyboards, layout, keys (keyboards), position (location), specifications, numeric character sets.

Price based on 3 pages
