
**Information technology — International
string ordering and comparison —
Method for comparing character strings
and description of the common template
tailorable ordering**

AMENDMENT 1

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*Technologies de l'information — Classement international et
comparaison de chaînes de caractères — Méthode de comparaison de
chaînes de caractères et de description du modèle commun et adaptable
d'ordre de classement*

<https://standards.iteh.ai/standards/iso-iec-14651-2007-amd-1-2009>

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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

Amendment 1 to ISO/IEC 14651:2007 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 2, *Coded character sets*.

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Page 1, Clause 1

Replace the second bullet and its notes by:

- A Common Template Table. A given tailoring of the Common Template Table is used by the reference comparison method. The Common Template Table describes an order for all characters encoded in ISO/IEC 10646:2003 up to Amendment 4. It allows for a specification of a fully deterministic ordering. This table enables the specification of a string ordering adapted to local ordering rules, without requiring an implementer to have knowledge of all the different scripts already encoded in the UCS.

NOTE 1 This Common Template Table is to be modified to suit the needs of a local environment. The main worldwide benefit is that, for other scripts, often no modification is required and the order will remain as consistent as possible and predictable from an international point of view.

NOTE 2 The character repertoire used in this International Standard is equivalent to that of the Unicode Standard version 5.1.

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Page 2, Clause 3

Add the following to the list of references:

ISO/IEC 10646:2003/Amd.3:2008, *Information technology — Universal Multiple-Octet Coded Character Set (UCS) — Amendment 3: Lepcha, Ol Chiki, Saurashtra, Vai and other characters*

ISO/IEC 10646:2003/Amd.4:2008, *Information technology — Universal Multiple-Octet Coded Character Set (UCS) — Amendment 4: Cham, Game Tiles, and other characters*

Page 6, 6.2.2

Add the following note after the first paragraph:

NOTE Collating elements with more characters have preference over shorter ones. As an example, if a multi-character collating element is defined for “abc” and another one is defined for “ab” or for “bc”, then if “abc” is encountered, the collating element for “abc” will apply and not the one for “ab” or “bc”.

Page 12, 6.3.2

Replace WF 4 with the following:

WF 4. A *tailored_table* shall contain exactly one *order_start* statement followed later by exactly one *order_end* statement. The *order_start* statement shall appear after the *symbol_definition* entries and before the *symbol_weight* entries after all reordering of lines has been applied.

Delete the line beginning with “WF 10”. (This will imply renumbering WF 11, WF 12 and WF 13 for the next edition.)

Replace the beginning of WF 12 [up to the end of item 1)] with the following:

WF 12. Any *symbol_range* shall contain two *symbols* which meet the following conditions: 1) Each of the two *symbols* shall contain a common prefix of length one. The prefix can be any letter except 'U'.

Page 13, 6.3.3, 1 4a.2

Replace “beenreordered” with “been reordered”.

Page 16, 6.5

Replace Subclause 6.5 with the following.

6.5 Name of the Common Template Table and name declaration

The name ISO14651_2008_TABLE1 shall be used whenever the Common Template Table is referred to externally as a base point in a given context, whether in a process, contract, or procurement requirement. If another name is used due to practical constraints, a declaration of conformance shall indicate the correspondence between this other name and the name ISO14651_2008_TABLE1.

The use of a defined name is necessary to manage the different stages of development of this table. This follows from the nature of the reference character repertoire, for which development will be ongoing for a number of years or even decades.

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Page 17, Annex A

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Replace Annex A with the following.

Annex A (normative)

Common Template Table

In order to minimize formatting problems and the risk of errors in reproduction, the common template table is provided separately in a machine-readable file as a normative component of this International Standard. The file name for this language version is different from the normative reference name specified in 6.5 of this International Standard due to the existence of file versions commented in other natural languages. The file for this language version can also be retrieved on the ITTF web site at the following URL:

http://www.iso.org/itff/ISO14651_2008_TABLE1_en.txt

There is an official French version of the file which only differs in its comments (its technical content is identical), and its name is: ISO14651_2008_TABLE1_fr.txt

NOTE 1 This International Standard deprecates, but does not preclude specific reference to, the previous tables, which contained and still contain ordering information applicable to the repertoires of previous versions of ISO/IEC 10646 and their amendments. The previous tables can be found at the following URLs:

[ordering information on the repertoire of characters as defined in ISO/IEC 10646-1:1993 including Amendments 1-9]
http://www.iso.org/ittf/ISO14651_2000_TABLE1.htm

[ordering information on the combined repertoire of characters of ISO/IEC 10646-1:2000 and ISO/IEC 10646-2:2001]
http://www.iso.org/ittf/ISO14651_2002_TABLE1_en.txt

[ordering information on the repertoire of characters as defined in ISO/IEC 10646:2003]
http://www.iso.org/ittf/ISO14651_2003_TABLE1_en.txt

[ordering information on the repertoire of characters as defined in ISO/IEC 10646-1:2003 including Amendments 1-2]
http://www.iso.org/ittf/ISO14651_2006_TABLE1_en.txt

The current Common Template Table reflects the repertoire of characters as defined in ISO/IEC 10646:2003 up to its amendment 4, as indicated in the scope.

NOTE 2 The repertoire targeted by this International Standard is equivalent to the repertoire of *The Unicode Standard Version 5.1, published by The Unicode Consortium*.

When ordering data applicable to other amendments of ISO/IEC 10646:2003 becomes available, this International Standard and specifically its Common Template Table will be amended accordingly to cover the ordering of the additional characters and scripts. To meet cultural requirements of specific communities, delta declarations will have to be applied to the amended table as defined in this International Standard.

ISO_14651_2008_TABLE1 is the name that is used for referring to this table in this version of this International Standard.

Page 20, B.3

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In the third column of the unordered list, replace "notres" with "notre".

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Replace ISO14651_2006_TABLE1_en.txt with ISO14651_2008_TABLE1_en.txt.

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