ISO/IEC 14651:2016-02 (E)

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

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Conformance 2

3 Normative references 2

4 Termsanddefinitions 2

5 Symbols and abbreviations 3

6 String comparison 4
6.1 Preparation of character strings prior to comparison 4
6.2 Key building and comparison 4
6.2.1 Preliminary considerations 4
6.2.2 Reference ordering key formation 6
6.2.3 Reference comparison method for ordering character strings 7
6.3 Common Template Table: Formation and interpretation 8
6.3.1 BNF syntax rules for the Common Template Table in Annex A 8
6.3.2 Well-formedness conditions 10
6.3.3 Interpretation of tailored tables 11
6.3.4 Evaluation of weight tables 13
6.3.5 Conditions for considering specific table equivalences 13
6.3.6 Conditions for results to be considered equivalent 13
6.4 Declaration of a delta 13
6.5 Name of the Common Template Table and name declaration 16

Annex A (normative) Common Template Table 17

Annex B (informative) Example tailoring deltas 18

Annex C (informative) Preparation 27

Annex D (informative) Tutorial on solutions brought by this International Standard to problems of lexical ordering 43

Annex E (informative) Searching and fuzzy matches 47

Bibliography 49