

**Proposed Update** Unicode® Standard Annex #41**COMMON REFERENCES FOR UNICODE STANDARD ANNEXES**

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Revision	25

Summary

This annex presents a common set of references for the Unicode Standard Annexes.

Status

*This is a **draft** document which may be updated, replaced, or superseded by other documents at any time. Publication does not imply endorsement by the Unicode Consortium. This is not a stable document; it is inappropriate to cite this document as other than a work in progress.*

A Unicode Standard Annex (UAX) forms an integral part of the Unicode Standard, but is published online as a separate document. The Unicode Standard may require conformance to normative content in a Unicode Standard Annex, if so specified in the Conformance chapter of that version of the Unicode Standard. The version number of a UAX document corresponds to the version of the Unicode Standard of which it forms a part.

Please submit corrigenda and other comments with the online reporting form [\[Feedback\]](#). For the latest version of the Unicode Standard, see [\[Unicode\]](#). For a list of current Unicode Technical Reports, see [\[Reports\]](#). For more information about versions of the Unicode Standard, see [\[Versions\]](#). For any errata which may apply to this annex, see [\[Errata\]](#).

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1 References to Publications by the Unicode Consortium

Publications may be listed more than once under different headings.

- [Blocks] *Character Block Property Data File*
Latest version:
<http://www.unicode.org/Public/UCD/latest/ucd/Blocks.txt>
Version 13.0.0:
<http://www.unicode.org/Public/13.0.0/ucd/Blocks.txt>
- [Charts] *Character Code Charts*
Latest version:
<http://www.unicode.org/charts/>
Index of character names with links to the corresponding code charts:
<http://www.unicode.org/charts/charindex.html>
- [Charts14] *Charts for the Unicode Line Breaking Algorithm Test Files*
Latest version:
<http://www.unicode.org/Public/UCD/latest/ucd/auxiliary/LineBreakTest.html>
Version 13.0.0:
<http://www.unicode.org/Public/13.0.0/ucd/auxiliary/LineBreakTest.html>
- [Charts15] *Normalization Charts*
Latest version:
<http://www.unicode.org/charts/normalization/>
- [Charts29] *Charts for the Unicode Text Segmentation Test Files*
Latest version:
<http://www.unicode.org/Public/UCD/latest/ucd/auxiliary/GraphemeBreakTest.html>
<http://www.unicode.org/Public/UCD/latest/ucd/auxiliary/WordBreakTest.html>
<http://www.unicode.org/Public/UCD/latest/ucd/auxiliary/SentenceBreakTest.html>
Version 13.0.0:
<http://www.unicode.org/Public/13.0.0/ucd/auxiliary/GraphemeBreakTest.html>
<http://www.unicode.org/Public/13.0.0/ucd/auxiliary/WordBreakTest.html>
<http://www.unicode.org/Public/13.0.0/ucd/auxiliary/SentenceBreakTest.html>
- [CLDR] *Unicode Common Locale Data Repository*
<http://cldr.unicode.org/>
- [Code9] *Reference Implementations of the Unicode Bidirectional Algorithm*
C reference code:
<http://www.unicode.org/Public/PROGRAMS/BidiReferenceC/>
Java reference code:
<http://www.unicode.org/Public/PROGRAMS/BidiReferenceJava/>
- [Code14] *Sample Implementation of the Unicode Line Breaking Algorithm*
<http://www.unicode.org/Public/PROGRAMS/LineBreakSampleCpp/>
- [Corrections] *Normalization Corrections Data File*
Latest version:
<http://www.unicode.org/Public/UCD/latest/ucd/NormalizationCorrections.txt>
Version 13.0.0:
<http://www.unicode.org/Public/13.0.0/ucd/NormalizationCorrections.txt>
- [Corrigendum1] *Corrigendum #1: UTF-8 Shortest Form*

<http://www.unicode.org/versions/corrigendum1.html>

[Corrigendum2] *Corrigendum #2: Yod with Hiriq Normalization*
<http://www.unicode.org/versions/corrigendum2.html>

[Corrigendum3] *Corrigendum #3: U+F951 Normalization*
<http://www.unicode.org/versions/corrigendum3.html>

[Corrigendum4] *Corrigendum #4: Five CJK Canonical Mapping Errors*
<http://www.unicode.org/versions/corrigendum4.html>

[Corrigendum5] *Corrigendum #5: Normalization Idempotency*
<http://www.unicode.org/versions/corrigendum5.html>

[Corrigendum6] *Corrigendum #6: Bidi Mirroring*
<http://www.unicode.org/versions/corrigendum6.html>

[Corrigendum7] *Corrigendum #7: UAX #14, Unicode Line Breaking Algorithm, rule LB8*
<http://www.unicode.org/versions/corrigendum7.html>

[Corrigendum8] *Corrigendum #8: Bidi_Class Fix for U+070F Syriac Abbreviation Mark*
<http://www.unicode.org/versions/corrigendum8.html>

[Corrigendum9] *Corrigendum #9: Clarification About Noncharacters*
<http://www.unicode.org/versions/corrigendum9.html>

[Data9] *Unicode Bidirectional Algorithm Property Data Files*

Latest version:

<http://www.unicode.org/Public/UCD/latest/ucd/BidiMirroring.txt>

<http://www.unicode.org/Public/UCD/latest/ucd/BidiBrackets.txt>

Version 13.0.0:

<http://www.unicode.org/Public/13.0.0/ucd/BidiMirroring.txt>

<http://www.unicode.org/Public/13.0.0/ucd/BidiBrackets.txt>

[Data11] *East Asian Width Property Data File*

Latest version:

<http://www.unicode.org/Public/UCD/latest/ucd/EastAsianWidth.txt>

Version 13.0.0:

<http://www.unicode.org/Public/13.0.0/ucd/EastAsianWidth.txt>

[Data14] *Unicode Line Breaking Algorithm Property Data File*

Latest version:

<http://www.unicode.org/Public/UCD/latest/ucd/LineBreak.txt>

Version 13.0.0:

<http://www.unicode.org/Public/13.0.0/ucd/LineBreak.txt>

[Data24] *Unicode Script Property Data File*

Latest version:

<http://www.unicode.org/Public/UCD/latest/ucd/Scripts.txt>

Version 13.0.0:

<http://www.unicode.org/Public/13.0.0/ucd/Scripts.txt>

[Data34] *Unicode Named Character Sequences Data File*

Latest version:

<http://www.unicode.org/Public/UCD/latest/ucd/NamedSequences.txt>

Version 13.0.0:

<http://www.unicode.org/Public/13.0.0/ucd/NamedSequences.txt>

[Data45] *U-Source Ideographs Data File*

Latest version:

<http://www.unicode.org/Public/UCD/latest/ucd/USourceData.txt>

Version 13.0.0:

<http://www.unicode.org/Public/13.0.0/ucd/USourceData.txt>

[Data50] *Unicode Vertical Text Layout Property Data File*

Latest version:

<http://www.unicode.org/Public/UCD/latest/ucd/VerticalOrientation.txt>

Version 13.0.0:

<http://www.unicode.org/Public/13.0.0/ucd/VerticalOrientation.txt>

[Data51] *Unicode Emoji Data Files*

Latest Version:

<http://www.unicode.org/Public/UCD/latest/ucd/emoji/emoji-data.txt>

<http://www.unicode.org/Public/UCD/latest/ucd/emoji/emoji-sequences.txt>

<http://www.unicode.org/Public/UCD/latest/ucd/emoji/emoji-test.txt>

<http://www.unicode.org/Public/UCD/latest/ucd/emoji/emoji-variation-sequences.txt>

<http://www.unicode.org/Public/UCD/latest/ucd/emoji/emoji-zwj-sequences.txt>

Version 13.0:

<http://www.unicode.org/Public/13.0.0/ucd/emoji/emoji-data.txt>

<http://www.unicode.org/Public/13.0.0/ucd/emoji/emoji-sequences.txt>

<http://www.unicode.org/Public/13.0.0/ucd/emoji/emoji-test.txt>

<http://www.unicode.org/Public/13.0.0/ucd/emoji/emoji-variation-sequences.txt>

<http://www.unicode.org/Public/13.0.0/ucd/emoji/emoji-zwj-sequences.txt>

[DataProv] *Provisional Named Sequences Data File*

Latest version:

<http://www.unicode.org/Public/UCD/latest/ucd/NamedSequencesProv.txt>

Version 13.0.0:

<http://www.unicode.org/Public/13.0.0/ucd/NamedSequencesProv.txt>

[Demo9] *Online Demo of the Unicode Bidirectional Algorithm*

<http://www.unicode.org/cldr/utility/bidi.jsp>

[DerivedBIDI] *Derived Bidirectional Type Property Data File*

Latest version:

<http://www.unicode.org/Public/UCD/latest/ucd/extracted/DerivedBidiClass.txt>

Version 13.0.0:

<http://www.unicode.org/Public/13.0.0/ucd/extracted/DerivedBidiClass.txt>

[Errata] *Updates and Errata*

<http://www.unicode.org/errata>

[Exclusions] *Composition Exclusion Table*

Latest version:

<http://www.unicode.org/Public/UCD/latest/ucd/CompositionExclusions.txt>

Version 13.0.0:

<http://www.unicode.org/Public/13.0.0/ucd/CompositionExclusions.txt>

[FAQ]

Frequently Asked Questions

Answers to common questions on technical issues:

<http://www.unicode.org/faq/>

[Feedback]

Contact Form

Error reporting and information requests:

<http://www.unicode.org/reporting.html>

[Glossary]

Glossary of Unicode Terms

<http://www.unicode.org/glossary/>

[Glyphs45]

U-Source Ideographs Glyph Table

Latest version:

<http://www.unicode.org/Public/UCD/latest/ucd/USourceGlyphs.pdf>

Version 13.0.0:

<http://www.unicode.org/Public/13.0.0/ucd/USourceGlyphs.pdf>

[HangulST]

Hangul Syllable Type Property Data File

Latest version:

<http://www.unicode.org/Public/UCD/latest/ucd/HangulSyllableType.txt>

Version 13.0.0:

<http://www.unicode.org/Public/13.0.0/ucd/HangulSyllableType.txt>

[NormProps]

Derived Normalization Properties Data File

Latest version:

<http://www.unicode.org/Public/UCD/latest/ucd/DerivedNormalizationProps.txt>

Version 13.0.0:

<http://www.unicode.org/Public/13.0.0/ucd/DerivedNormalizationProps.txt>

[Policies]

Unicode Consortium Policies

<http://www.unicode.org/policies/policies.html>

[Props]

Unicode Text Segmentation Property Data Files

Latest version:

<http://www.unicode.org/Public/UCD/latest/ucd/auxiliary/GraphemeBreakProperty.txt>

<http://www.unicode.org/Public/UCD/latest/ucd/auxiliary/WordBreakProperty.txt>

<http://www.unicode.org/Public/UCD/latest/ucd/auxiliary/SentenceBreakProperty.txt>

Version 13.0.0:

<http://www.unicode.org/Public/13.0.0/ucd/auxiliary/GraphemeBreakProperty.txt>

<http://www.unicode.org/Public/13.0.0/ucd/auxiliary/WordBreakProperty.txt>

<http://www.unicode.org/Public/13.0.0/ucd/auxiliary/SentenceBreakProperty.txt>

[PropValue]

Property Value Aliases Data File

Latest version:

<http://www.unicode.org/Public/UCD/latest/ucd/PropertyValueAliases.txt>

Version 13.0.0:

<http://www.unicode.org/Public/13.0.0/ucd/PropertyValueAliases.txt>

- [Reports] *Unicode Technical Reports*
List of Unicode Standard Annexes, Technical Standards, and Technical Reports:
<http://www.unicode.org/reports/>
- [Stability] *Unicode Character Encoding Stability Policy*
http://www.unicode.org/policies/stability_policy.html
- [Tests9] *Unicode Bidirectional Algorithm Test Data File*
Latest version:
<http://www.unicode.org/Public/UCD/latest/ucd/BidiTest.txt>
<http://www.unicode.org/Public/UCD/latest/ucd/BidiCharacterTest.txt>
Version 13.0.0:
<http://www.unicode.org/Public/13.0.0/ucd/BidiTest.txt>
<http://www.unicode.org/Public/13.0.0/ucd/BidiCharacterTest.txt>
- [Tests14] *Unicode Line Breaking Algorithm Test Data File*
Latest version:
<http://www.unicode.org/Public/UCD/latest/ucd/auxiliary/LineBreakTest.txt>
Version 13.0.0:
<http://www.unicode.org/Public/13.0.0/ucd/auxiliary/LineBreakTest.txt>
- [Tests15] *Unicode Normalization Forms Test Data File*
Latest version:
<http://www.unicode.org/Public/UCD/latest/ucd/NormalizationTest.txt>
Version 13.0.0:
<http://www.unicode.org/Public/13.0.0/ucd/NormalizationTest.txt>
- [Tests29] *Unicode Text Segmentation Test Data Files*
Latest version:
<http://www.unicode.org/Public/UCD/latest/ucd/auxiliary/GraphemeBreakTest.txt>
<http://www.unicode.org/Public/UCD/latest/ucd/auxiliary/WordBreakTest.txt>
<http://www.unicode.org/Public/UCD/latest/ucd/auxiliary/SentenceBreakTest.txt>
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<http://www.unicode.org/Public/13.0.0/ucd/auxiliary/WordBreakTest.txt>
<http://www.unicode.org/Public/13.0.0/ucd/auxiliary/SentenceBreakTest.txt>
- [UAX9] *Unicode Standard Annex #9: Unicode Bidirectional Algorithm*
Latest version:
<http://www.unicode.org/reports/tr9/>
Version 13.0.0:
<http://www.unicode.org/reports/tr9/tr9-42.html>
- [UAX11] *Unicode Standard Annex #11: East Asian Width*
Latest version:
<http://www.unicode.org/reports/tr11/>
Version 13.0.0:
<http://www.unicode.org/reports/tr11/tr11-37.html>
- [UAX14] *Unicode Standard Annex #14: Unicode Line Breaking Algorithm*

Latest version:

<http://www.unicode.org/reports/tr14/>

Version 13.0.0:

<http://www.unicode.org/reports/tr14/tr14-44.html>

[UAX15]

Unicode Standard Annex #15: Unicode Normalization Forms

Latest version:

<http://www.unicode.org/reports/tr15/>

Version 13.0.0:

<http://www.unicode.org/reports/tr15/tr15-50.html>

[UAX24]

Unicode Standard Annex #24: Unicode Script Property

Latest version:

<http://www.unicode.org/reports/tr24/>

Version 13.0.0:

<http://www.unicode.org/reports/tr24/tr24-31.html>

[UAX29]

Unicode Standard Annex #29: Unicode Text Segmentation

Latest version:

<http://www.unicode.org/reports/tr29/>

Version 13.0.0:

<http://www.unicode.org/reports/tr29/tr29-37.html>

[UAX31]

Unicode Standard Annex #31: Unicode Identifier and Pattern Syntax

Latest version:

<http://www.unicode.org/reports/tr31/>

Version 13.0.0:

<http://www.unicode.org/reports/tr31/tr31-32.html>

[UAX34]

Unicode Standard Annex #34: Unicode Named Character Sequences

Latest version:

<http://www.unicode.org/reports/tr34/>

Version 13.0.0:

<http://www.unicode.org/reports/tr34/tr34-26.html>

[UAX38]

Unicode Standard Annex #38: Unicode Han Database (Unihan)

Latest version:

<http://www.unicode.org/reports/tr38/>

Version 13.0.0:

<http://www.unicode.org/reports/tr38/tr38-29.html>

[UAX41]

Unicode Standard Annex #41: Common References for Unicode Standard Annexes

Latest version:

<http://www.unicode.org/reports/tr41/>

Version 13.0.0:

<http://www.unicode.org/reports/tr41/tr41-26.html>

[UAX42]

Unicode Standard Annex #42: Unicode Character Database in XML

Latest version:

<http://www.unicode.org/reports/tr42/>

Version 13.0.0:

<http://www.unicode.org/reports/tr42/tr42-27.html>

[UAX44]

Unicode Standard Annex #44: Unicode Character Database

Latest version:

<http://www.unicode.org/reports/tr44/>

Version 13.0.0:

<http://www.unicode.org/reports/tr44/tr44-26.html>

[UAX45]

Unicode Standard Annex #45: U-Source Ideographs

Latest version:

<http://www.unicode.org/reports/tr45/>

Version 13.0.0:

<http://www.unicode.org/reports/tr45/tr45-23.html>

[UAX50]

Unicode Standard Annex #50: Unicode Vertical Text Layout

Latest version:

<http://www.unicode.org/reports/tr50/>

Version 13.0.0:

<http://www.unicode.org/reports/tr50/tr50-24.html>

[UCD]

About the Unicode Character Database

<http://www.unicode.org/ucd/>

For detailed documentation, see [UAX44].

[Unicode]

The Unicode Standard

Latest version:

<http://www.unicode.org/versions/latest/>

Version 13.0.0:

<http://www.unicode.org/versions/Unicode13.0.0/>

[Unicode3.0]

The Unicode Consortium, *The Unicode Standard, Version 3.0.0*

defined by: *The Unicode Standard, Version 3.0* (Reading, MA: Addison-Wesley, 2000. ISBN 0-201-61633-5),

<http://www.unicode.org/versions/Unicode3.0.0/>

[Unicode3.1]

The Unicode Consortium, *The Unicode Standard, Version 3.1.0*,

defined by: *The Unicode Standard, Version 3.0* (Reading, MA: Addison-Wesley, 2000. ISBN 0-201-61633-5),

as amended by the *Unicode Standard Annex #27: Unicode 3.1*

<http://www.unicode.org/reports/tr27/>

[Unicode3.2]

The Unicode Consortium, *The Unicode Standard, Version 3.2.0*,

defined by: *The Unicode Standard, Version 3.0* (Reading, MA: Addison-Wesley, 2000. ISBN 0-201-61633-5),

as amended by the *Unicode Standard Annex #27: Unicode 3.1* and the *Unicode Standard Annex #28: Unicode 3.2*

<http://www.unicode.org/reports/tr28/>

[Unicode4.0]

The Unicode Consortium, *The Unicode Standard, Version 4.0.0*,

defined by: *The Unicode Standard, Version 4.0* (Boston, MA: Addison-Wesley, 2003.

ISBN 0-321-18578-1),
<http://www.unicode.org/versions/Unicode4.0.0/>

- [Unicode4.0.1] The Unicode Consortium, *The Unicode Standard, Version 4.0.1*, defined by: *The Unicode Standard, Version 4.0* (Boston, MA: Addison-Wesley, 2003. ISBN 0-321-18578-1), as amended by *Unicode 4.0.1*
<http://www.unicode.org/versions/Unicode4.0.1/>
- [Unicode4.1] The Unicode Consortium, *The Unicode Standard, Version 4.1.0*, defined by: *The Unicode Standard, Version 4.0* (Boston, MA: Addison-Wesley, 2003. ISBN 0-321-18578-1), as amended by *Unicode 4.0.1* and *Unicode 4.1.0*
<http://www.unicode.org/versions/Unicode4.1.0/>
- [Unicode5.0] The Unicode Consortium, *The Unicode Standard, Version 5.0.0*, defined by: *The Unicode Standard, Version 5.0* (Boston, MA: Addison-Wesley, 2007. ISBN 0-321-48091-0),
<http://www.unicode.org/versions/Unicode5.0.0/>
- [Unicode5.1] The Unicode Consortium, *The Unicode Standard, Version 5.1.0*, defined by: *The Unicode Standard, Version 5.0* (Boston, MA: Addison-Wesley, 2007. ISBN 0-321-48091-0), as amended by *Unicode 5.1.0*
<http://www.unicode.org/versions/Unicode5.1.0/>
- [Unicode5.2] The Unicode Consortium, *The Unicode Standard, Version 5.2.0*, defined by: *The Unicode Standard, Version 5.2* (Mountain View, CA: The Unicode Consortium, 2009. ISBN 978-1-936213-00-9),
<http://www.unicode.org/versions/Unicode5.2.0/>
- [Unicode6.0] The Unicode Consortium, *The Unicode Standard, Version 6.0.0* (Mountain View, CA: The Unicode Consortium, 2011. ISBN 978-1-936213-01-6)
<http://www.unicode.org/versions/Unicode6.0.0/>
- [Unicode6.1] The Unicode Consortium, *The Unicode Standard, Version 6.1.0* (Mountain View, CA: The Unicode Consortium, 2012. ISBN 978-1-936213-02-3)
<http://www.unicode.org/versions/Unicode6.1.0/>
- [Unicode6.2] The Unicode Consortium, *The Unicode Standard, Version 6.2.0* (Mountain View, CA: The Unicode Consortium, 2012. ISBN 978-1-936213-07-8)
<http://www.unicode.org/versions/Unicode6.2.0/>
- [Unicode6.3] The Unicode Consortium, *The Unicode Standard, Version 6.3.0* (Mountain View, CA: The Unicode Consortium, 2013. ISBN 978-1-936213-08-5)
<http://www.unicode.org/versions/Unicode6.3.0/>
- [Unicode7.0] The Unicode Consortium, *The Unicode Standard, Version 7.0.0* (Mountain View, CA: The Unicode Consortium, 2014. ISBN 978-1-936213-09-2)
<http://www.unicode.org/versions/Unicode7.0.0/>
- [Unicode8.0] The Unicode Consortium, *The Unicode Standard, Version 8.0.0*

(Mountain View, CA: The Unicode Consortium, 2015. ISBN 978-1-936213-10-8)
<http://www.unicode.org/versions/Unicode8.0.0/>

[Unicode9.0] The Unicode Consortium, *The Unicode Standard, Version 9.0.0*
(Mountain View, CA: The Unicode Consortium, 2016. ISBN 978-1-936213-13-9)
<http://www.unicode.org/versions/Unicode9.0.0/>

[Unicode10.0] The Unicode Consortium, *The Unicode Standard, Version 10.0.0*
(Mountain View, CA: The Unicode Consortium, 2017. ISBN 978-1-936213-16-0)
<http://www.unicode.org/versions/Unicode10.0.0/>

[Unicode11.0] The Unicode Consortium, *The Unicode Standard, Version 11.0.0*
(Mountain View, CA: The Unicode Consortium, 2018. ISBN 978-1-936213-19-1)
<http://www.unicode.org/versions/Unicode11.0.0/>

[Unicode12.0] The Unicode Consortium, *The Unicode Standard, Version 12.0.0*
(Mountain View, CA: The Unicode Consortium, 2019. ISBN 978-1-936213-22-1)
<http://www.unicode.org/versions/Unicode12.0.0/>

[Unicode13.0] The Unicode Consortium, *The Unicode Standard, Version 13.0.0*
(Mountain View, CA: The Unicode Consortium, 2020. ISBN NNNNNNNNNN)
<http://www.unicode.org/versions/Unicode13.0.0/>

[UTC] *Unicode Technical Committee*
<http://www.unicode.org/consortium/utc.html>

[UTN5] *Unicode Technical Note #5: Canonical Equivalence in Applications*
<http://www.unicode.org/notes/tn5>

[UTR17] *Unicode Technical Report #17: Unicode Character Encoding Model*
Latest version:
<http://www.unicode.org/reports/tr17/>

[UTR23] *Unicode Technical Report #23: The Unicode Character Property Model*
Latest version:
<http://www.unicode.org/reports/tr23/>

[UTR25] *Unicode Technical Report #25: Unicode Support for Mathematics*
Latest version:
<http://www.unicode.org/reports/tr25/>

[UTR33] *Unicode Technical Report #33: Unicode Conformance Model*
Latest version:
<http://www.unicode.org/reports/tr33/>

[UTR36] *Unicode Technical Report #36: Unicode Security Considerations*
Latest version:
<http://www.unicode.org/reports/tr36/>

[UTS6] *Unicode Technical Standard #6: A Standard Compression Scheme for Unicode*
Latest version:
<http://www.unicode.org/reports/tr6/>

[UTS10] *Unicode Technical Standard #10: Unicode Collation Algorithm*

Latest version:

<http://www.unicode.org/reports/tr10/>

Version 13.0.0:

<http://www.unicode.org/reports/tr10/tr10-42.html>

[UTS18] *Unicode Technical Standard #18: Unicode Regular Expressions*

Latest version:

<http://www.unicode.org/reports/tr18/>

[UTS22] *Unicode Technical Standard #22: Unicode Character Mapping Markup Language (CharMapML)*

Latest version:

<http://www.unicode.org/reports/tr22/>

[UTS35] *Unicode Technical Standard #35: Unicode Locale Data Markup Language (LDML)*

Latest version:

<http://www.unicode.org/reports/tr35/>

[UTS37] *Unicode Technical Standard #37: Unicode Ideographic Variation Database*

Latest version:

<http://www.unicode.org/reports/tr37/>

[UTS39] *Unicode Technical Standard #39: Unicode Security Mechanisms*

Latest version:

<http://www.unicode.org/reports/tr39/>

Version 13.0.0:

<http://www.unicode.org/reports/tr39/tr39-21.html>

[UTS46] *Unicode Technical Standard #46: Unicode IDNA Compatibility Processing*

Latest version:

<http://www.unicode.org/reports/tr46/>

Version 13.0.0:

<http://www.unicode.org/reports/tr46/tr46-25.html>

[UTS51] *Unicode Technical Standard #51: Unicode Emoji*

Latest version:

<http://www.unicode.org/reports/tr51/>

Version 12.0:

<http://www.unicode.org/reports/tr51/tr51-17.html>

[Versions] *About Versions of the Unicode Standard*

Information on version numbering, and citing and referencing the Unicode Standard, the Unicode Character Database, and Unicode Technical Reports:

<http://www.unicode.org/versions/>

2 References to Other Standards

[10646] International Organization for Standardization, *ISO/IEC 10646:2017: Information Technology – Universal Coded Character Set (UCS), Fifth Edition*

Available from the ISO/IEC ITTF website:

<http://standards.iso.org/ittf/PubliclyAvailableStandards/>

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