

# Annapurna SIL - Version History

## 11 June 2024 (SIL WSTech team) Annapurna SIL version 2.100

- Enabled rendering for a unique sequence (an implosive) in the Wambule language
  - Consists of a DDA, BA or LA half-form (using ZWJ) plus a full vowel A
  - The sequence may include a vowel sign or virama (halant)
  - Inspect the GSUB OpenType code for details since this is not usual behaviour
- Added TypeTuner support for Ra+Ukar+Nukta ligature (feature in Stylistic Set 16)
- Fixed CHA variant bug (feature in Stylistic Set 17)
- Fixed ikar + vowel reordering bug (Graphite only)

## 08 November 2023 (SIL WSTech team) Annapurna SIL version 2.000

***Note that this is a major upgrade that may cause document reflow as some glyphs widths have changed and linespacing has been adjusted.***

- First release that uses a UFO-based design and production workflow
  - All sources are in open formats
  - Build toolkit and workflow is completely open-source
  - See <https://writingsystems.info/topics/fonts/building-and-modifying-sil-fonts/#introduction>
- Web fonts are provided in both WOFF and WOFF2 formats
- Added Devanagari characters
  - U+A8FC DEVANAGARI SIGN SIDDHAM
  - U+A8FD DEVANAGARI JAIN OM
  - U+A8FE DEVANAGARI LETTER AY
  - U+A8FF DEVANAGARI VOWEL SIGN AY
- Added recommended characters (Latin, punctuation, other) for non-Latin fonts
  - U+02C7 caron
  - U+02D8 breve
  - U+02D9 dotaccent
  - U+02DA ring
  - U+02DB ogonek
  - U+02DD hungarumlaut
  - U+0306 brevecomb
  - U+034F graphemejoinercomb
  - U+03C0 pi
  - U+2000 enquad
  - U+2001 emquad
  - U+2002 enspace
  - U+2003 emspace
  - U+2004 threeperemspace
  - U+2005 fourperemspace
  - U+2006 sixperemspace
  - U+2007 figurespace
  - U+2008 punctuationspace
  - U+200A hairspace
  - U+2010 hyphentwo
  - U+2011 nonbreakinghyphen
  - U+2012 figuredash
  - U+2015 horizontalbar
  - U+2027 hyphenationpoint
  - U+2028 lineseparator
  - U+2029 paragraphseparator
  - U+2060 wordjoiner
  - U+2126 Omega, Ohm

- U+2202 partialdiff
- U+2206 Delta
- U+220F product
- U+2211 summation
- U+2215 divisionslash
- U+2219 bulletoperator
- U+221A radical
- U+221E infinity
- U+222B integral
- U+2248 approxequal
- U+2260 notequal
- U+2264 lessequal
- U+2265 greaterequal
- U+2423 blank
- U+25CA lozenge
- U+FB01 fi
- U+FB02 fl
- U+FE00 VS1
- U+FE01 VS2
- U+FE02 VS3
- U+FE03 VS4
- U+FE04 VS5
- U+FE05 VS6
- U+FE06 VS7
- U+FE07 VS8
- U+FE08 VS9
- U+FE09 VS10
- U+FE0A VS11
- U+FE0B VS12
- U+FE0C VS13
- U+FE0D VS14
- U+FE0E VS15
- U+FE0F VS16
- U+FEFF zeroWidthNoBreakSpace
- U+FFFC objectReplacementCharacter
- U+FFFD replacementCharacter
- Added variant glyphs
  - DEVANAGARI CHA variants
    - Full Cha with tail
    - Half Cha with no stem or halant
  - DEVANAGARI HEADSTROKE variants
    - Discrete (to show the number of missing characters)
    - Narrow (for use in typography)
    - Filler (zero advance width for use in typography)
  - DEVANAGARI JAIN OM variant (extended headstroke)
- Added Stylistic Set features
  - ss16 uses ligature forms for ra + ukar (or uukar) with nukta
  - ss17 for full Cha with tail, half Cha with no stem or halant
- Added Character Variant features
  - cv21 for headstroke variants discrete, narrow and filler
  - ss22 for Jain Om variants with extended headstroke
  - Graphite only: added features cv01-cv17 to correspond to OpenType ss01-ss17
- Width of typographic spaces have been made more consistent to reflect common publishing industry usage. Note that this may affect line and page lengths. Affected spaces are
  - U+2003 EN SPACE
  - U+2004 THREE-PER-EM SPACE
  - U+2005 FOUR-PER-EM SPACE

- U+2006 SIX-PER-EM SPACE
- U+2009 THIN SPACE
- U+200A HAIR SPACE
- U+202F NARROW NO-BREAK SPACE
- Fixed OpenType rendering of double Nga stack with open-Ya to match Graphite
- Fixed OpenType rendering of nukta forms of stemless characters with open-Ya to match Graphite
- Added Graphite rules to reorder ikar before full vowel and possible cons or half-cons
- Fixed Ra+ukar collision with preceding ukar
- Fixed ikar-anusvara collision on conjuncts
- Fixed misoriented contours and duplicated knots
- Added UFO key and value data to set head table flag bits 0 and 1
- Revised content and format of the documentation

## **22 February 2019 (SIL WSTech team) Annapurna SIL version 1.204**

- Reworked Graphite code to remove duplicates from substitution input classes.
- Fixed Graphite bug involving alternate renderings of the half forms of ya. Fixed default rendering of dya.

## **08 December 2017 (SIL NRSI team) Annapurna SIL version 1.203**

- Matched OpenType with Graphite rendering where "ra halant ra halant" renders as "reph over ra-halant" instead of "eyelash ra" with reph over following cons.
- Fixed Graphite bugs in reph position chaining rules
- Fixed Graphite bug involving ta+ta conjunct half-form

## **10 February 2017 (SIL NRSI team) Annapurna SIL version 1.202**

- Fixed Graphite where reph was skipping the aakar after the ya
- Used TTFautohint for hinting which solved disappearing candrabindu in Bold

## **01 August 2016 (SIL NRSI team) Annapurna SIL version 1.201**

- Fixed Graphite (reordering) issue when reph and ikar are in a cluster
- Fixed Graphite issue related to TypeTuner fonts

## **15 January 2015 (SIL NRSI team) Annapurna SIL version 1.200**

- Added glyph U+0978 from the Devanagari block
- Added half forms of all the consonant-rakar conjuncts
- Fixed a near collision between Ha-Nukta and the uukar
- Fixed many collisions of ekar/aikar over ra with a preceding upper mark
- Hinting was done to enhance the on-screen rendering in Windows and Linux

## **25 October 2012 (SIL NRSI team) Annapurna SIL version 1.100**

- Added glyphs (with OpenType and Graphite support) from the Devanagari block
  - 0900, 093A..093B, 094E..094F, 0955..0957, 0973..0977, 0979..097A
- Added glyphs from the Devanagari Extended block
  - A8E0..A8FB
- Added glyphs from the North Indic Number Forms block
  - A830..A839
- U+dot (and UU+dot) is now attached under the Ra instead of the ligature version
- Graphite feature IDs are now all four-character tags per CSS requirements
- Minor bug fixes

## **12 July 2011 (SIL NRSI team) Annapurna SIL version 1.001**

- Added ligature glyphs and smart code support for minority languages
  - 0930 with 0941 and 093C
  - 0931 with 0941
  - 0931 with 0941 and 093C

- 0930 with 0942 and 093C
- 0931 with 0942
- 0931 with 0942 and 093C
- Fixed design bug in Bold font. The long I with nasal dot had a missing dot
- Minor tweaks by adjusting attachment points and hinting parameters
- Numerous bug fixes in Graphite

## **31 Dec 2010 (SIL NRSI team) Annapurna SIL version 1.000**

- First version released under the SIL Open Font License

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