Unicode request for phonetic punctuation & diacritics

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This proposal is for various non-IPA conventions used in the phonetic and phonological literature. Thanks to Deborah Anderson of the Universal Scripts Project for her assistance.

Combining diacritics

- ☐ 1AC5 COMBINING SQUARE BRACKETS ABOVE. Figures 13, 14, 16.
- TAC7 COMBINING INVERTED DOUBLE ARCH ABOVE. Figures 1–4.
 Cf. 032B COMBINING INVERTED DOUBLE ARCH BELOW,
 cf. 1DF1 COMBINING LATIN SMALL LETTER W,
 cf. 1ABF COMBINING LATIN SMALL LETTER W BELOW
- † 1AC8 COMBINING PLUS SIGN ABOVE. Figures 5–8. Cf. 031F COMBINING PLUS SIGN BELOW.
- □ 1ACD COMBINING DOUBLE PLUS SIGN ABOVE. Figure 11.
- ∴ 1ACE COMBINING DOUBLE PLUS SIGN BELOW. Figures 9–10. Cf. 031F COMBINING PLUS SIGN BELOW.

Punctuation marks

- E 2E55 LEFT SQUARE BRACKET WITH STROKE. Figures 12, 14. Cf. 2045 LEFT SQUARE BRACKET WITH QUILL
- 2E56 RIGHT SQUARE BRACKET WITH STROKE. Figures 12, 14. Cf. 2046 RIGHT SQUARE BRACKET WITH QUILL
- € 2E57 LEFT SQUARE BRACKET WITH DOUBLE STROKE. Figures 12, 15.
- 2E58 RIGHT SQUARE BRACKET WITH DOUBLE STROKE. Figures 12, 15.
- ¹ 2E59 TOP HALF LEFT PARENTHESIS. Figure 17.
- ¹ 2E5A TOP HALF RIGHT PARENTHESIS. Figure 17.
- 2E5B BOTTOM HALF LEFT PARENTHESIS. Figure 17.
- , 2E5C BOTTOM HALF RIGHT PARENTHESIS. Figures 17–18.

Spacing diacritics

- # 11AB0 MODIFIER NUMBER SIGN. Figures 19–24.
- \$ 11AB1 MODIFIER DOLLAR SIGN. Figure 25–26.

Encoding order

Because the combining brackets U+1AC5 of are intended to modify another diacritic, their behaviour should be the same as U+1ABB of COMBINING PARENTHESES ABOVE, as described in the section *Combining Diacritical Marks Extended: U+1AB0-U+1AFF* of TUS, on p. 331 and figure 7-13. IPA usage should be added to the text in TUS.

Properties

```
1AC5; COMBINING SQUARE BRACKETS ABOVE; Mn; 230; NSM;;;;; N;;;;
1AC7; COMBINING INVERTED DOUBLE ARCH ABOVE; Mn; 230; NSM;;;; N;;;;
1AC8; COMBINING PLUS SIGN ABOVE; Mn; 230; NSM;;;; N;;;;
1ACD; COMBINING DOUBLE PLUS SIGN ABOVE; Mn; 230; NSM;;;; N;;;;
1ACE; COMBINING DOUBLE PLUS SIGN BELOW; Mn; 220; NSM;;;; N;;;;
2E55; LEFT SQUARE BRACKET WITH STROKE; Ps; 0; ON;;;; Y;;;;
2E56; RIGHT SQUARE BRACKET WITH DOUBLE STROKE; Ps; 0; ON;;;; Y;;;;
2E57; LEFT SQUARE BRACKET WITH DOUBLE STROKE; Ps; 0; ON;;;; Y;;;;
2E58; RIGHT SQUARE BRACKET WITH DOUBLE STROKE; Pe; 0; ON;;;; Y;;;;
2E59; TOP HALF LEFT PARENTHESIS; Ps; 0; ON;;;; Y;;;;
2E5A; TOP HALF RIGHT PARENTHESIS; Pe; 0; ON;;;; Y;;;;
2E5B; BOTTOM HALF RIGHT PARENTHESIS; Pe; 0; ON;;;; Y;;;;
11AB0; MODIFIER NUMBER SIGN; Lm; 0; L; < super> 0024;;;; N;;;;
```

Bidi values

The eight punctuation marks U+2E55 to U+2E5C have the bidi-mirrored property "Yes". The following are the bidi-mirroring glyph values for BidiMirroring.txt:

```
2E55; 2E56 # LEFT SQUARE BRACKET WITH STROKE
2E56; 2E55 # RIGHT SQUARE BRACKET WITH STROKE
2E57; 2E58 # LEFT SQUARE BRACKET WITH DOUBLE STROKE
2E58; 2E57 # RIGHT SQUARE BRACKET WITH DOUBLE STROKE
2E59; 2E5A # TOP HALF LEFT PARENTHESIS
2E5A; 2E59 # TOP HALF RIGHT PARENTHESIS
2E5B; 2E5C # BOTTOM HALF LEFT PARENTHESIS
2E5C; 2E5B # BOTTOM HALF RIGHT PARENTHESIS
```

Chart

Characters in white cells are proposed here. Characters on light grey backgrounds have been approved by the UTC for Unicode 14.

	0	1	2	3	4	5	6	7	8	9	A	В	C	D	Е	F
Combining Diacritical Marks Extended																
U+1ACx		ြ	ੇ	ု	্	임	#	៉	†					∜	្	
Supplemental Punctuation																
U+2E5x						ŧ	}	ŧ	}	1)	(,			
Spacing Modifier Letters-A																
U+11ABx	#	\$														

References

Allen & Hawkins (1978) Development of Phonological Rhythm, in Bell & Hooper (eds.) *Syllables and Segments*.

Carlson (1972) A Grammar of Spokan.

Dolgopolsky (1987) South Cushitic Lateral Consonants as compared to Semitic and East Cushitic. *Proceedings of the Fourth International Hamito-Semitic Congress, Marburg, 20–22 September, 1983.*

Dolgopolsky (2013) Indo-European Dictionary with Nostratic Etymologies, vol. I.

Ellis (1889) On Early English Pronunciation, part V.

Fukui (2004) TIPA Manual, version 1.3.

Kretzschmar (1993/1994) Handbook of the Linguistic Atlas of the Middle and South Atlantic States. University of Chicago Press. [LAMSAS is a project of the University of Georgia]

Kelly & Local (1989) Doing Phonology. Manchester University Press.

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McDavid & O'Cain (1980) Linguistic Atlas of the Middle and South Atlantic States. University of Chicago Press, fasc. 2.

Alexis Michaud (2008) 'Phonemic and tonal analysis of Yongning Na', Cahiers de linguistique - Asie Orientale, CRLAO 37 (2), pp. 159-196.

Alexis Michaud (2012) 'Monosyllabicization: patterns of evolution in Asian languages', in Stolz, Nau & Stroh, ed. Monosyllables – from Phonology to Typology, De Gruyter.

Penhallurick (1991) The Anglo-Welsh Dialects of North Wales.

Smith-Stark (2005) "Phonological description in New Spain", in Zwartjes & Altman (eds.) *Missionary Linquistics II (Linqüística misionera II): Orthography and Phonology*, John Benjamins.

<u>Figures</u>

Combining inverted double arch above (5)

As with several other subscript IPA diacritics, \circ (subscript script $w \approx$ subscript omega) may be placed above a letter with a descender such as g or g: $\langle \tilde{g} \; \tilde{\eta} \; \tilde{\chi} \rangle$. This retired IPA diacritic remains useful for those who wish to distinguish simultaneous labialization from labialized release or, like Ladefoged & Maddieson, simple labialization from labio-velarization, as well as for typesetting older sources. Combining superscript script w / omega was also used in colonial missionary sources of Otomi, and may be useful in reproducing those materials. (I have not found any other unsupported symbols in that material: the Parra letters tresillo, quatrillo and quatrillo-comma and the various barred letters are all supported by Unicode.)

3.2.1 Nasalization. Many Mexican languages, above all those in the Otomanguean family, distinguish between oral and nasalized vowels. In the case of Otomi, as registered by the Franciscan friars Pedro de Cárceres (fl. 1580) and Alonso Urbano, nasalized vowels were distinguished by writing a small omega-shaped diacritic above them, (a), which, following a suggestion by Heriberto Avelino (personal communcation), might be called a *little bat*, or 'murcielaguito' in Spanish.

Figure 1. Smith-Stark (2005: 19)

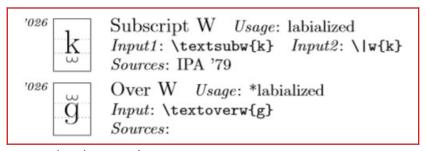


Figure 2. Fukui (2004: 52)

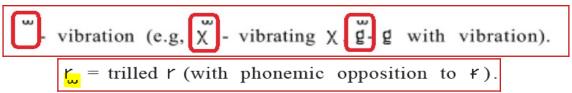


Figure 3. Dolgopolsky (2013: 239). Although semantically different from old IPA use, the diacritic is still only made superscript with letters such as χ and g that have a descender, unlike e.g. the alveolar trill $\langle r \rangle$. (Though slightly misaligned here on the χ , the diacritic is not intended to be used as a spacing diacritic after the letter. That would indicate labialization, as shown further up on p. 239.)

Figure 4. [wizə 3 'd əv əz] in Allen & Hawkins (1978: 183). The labialization diacritic is placed over the superscript σ , presumably to avoid confusion as to which is the base letter: on p. 184 they have the transcription ['o:v σ] with the diacritic under the same letter where that is not superscript. The authors use a print w for the diacritic in the appendix (p. 182–185), but in the text they write it in by hand as a script w that more closely resembles an omega.

Combining plus sign above (†)

An allograph of the IPA subscript diacritic, used to avoid descenders or other diacritics.

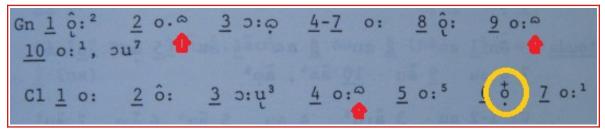


Figure 5. Penhallurick (1991: 79). Yellow ring $\langle \dot{0} \rangle$. The advanced diacritic placed above the 'o' avoids conflict with the underdot.

Figure 6. Penhallurick (1991: 251), yellow arrow marks $\langle \mathring{D} \rangle$. The '+' is consistently superscripted in this doc.

Figure 7. Kelly & Local (1989: 37). Here the plus diacritic is superscript because there is no room for it below the combining schwa. It contrasts with a superscript minus.

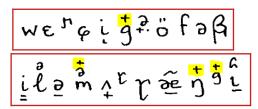


Figure 8. Kelly & Local (1989: 67, 70). Superscript plus to avoid clashing with a descender.

Combining double plus sign diacritics (t, g)

Side-by-side doubling such as this requires specific Unicode support, as has already been provided for the double 'open' diacritic seen in the following figure.

IPA are discussed in Part 3 and others we hope are transparent. A double discritic, for instance, means more of the quality signified by the single one: μ is fronter than μ , μ is opener than μ . In the

Figure 9. Kelly & Local (1989: 8). Although in handwriting two plus signs may join together, logically they are double, like double 'open' here and double minus next. (Double 'open' is supported at U+1AB8. See Fig. 5 for a typeset single 'open' diacritic.)

Figure 10. Kelly & Local (1989: 37, 70, 72, 88). Note the stacking of diacritics with the double-plus on the $\langle u \rangle$.

Figure 11. Kelly & Local (1989: 156). As with the single plus sign, the double plus appears over a letter with a descender.

Barred square brackets ($\{...\}$ $\{...\}$) and combining square brackets above ($\{...\}$)

Used in Martin (2004) for ellipsis in Japanese.
☐ is only attested as a pair, so a single code point might be preferred.

for modern structures in ways that oversimplify the actual histories. Ellipsis is shown by putting brackets [] around the omitted stretch; for those omissions regarded as optional we can (when we wish to be precise) use brackets with a single cross bar [] and for those regarded as obligatory we can use brackets with a double cross bar []. Although this grammar does not seek to cover the history of the language, likely origins are suggested for

Figure 12. Samuel Martin (2004: 28)

oxytonic noun or adverb appears at the end of a phrase, we will show that it has an inherent accent by placing the accent mark in the appropriate place, but we will put brackets around the mark to indicate the automatic cancellation by which it sounds as if it were atonic:

Hutari imasu here are two people'. Cf. Hutari ga imasu There are the two people'. Takusan tabeta I ate lots', Cf. Takusan desu It's lots'.

Ik-kai itta I went one time'. Cf. Ik-kai datta It was one time'.

Iti-do sita I did it once'. Cf. Iti-do datta It was once'.

Figure 13. Martin (2004: 21).

haven't had in Japan before' (SA 2664.36c). For -ta [k] kiri and -i-kkiri, see § 9.1.7. When [k] kiri is attached to kore, sore, and are, the expected meanings may be replaced by derived senses, and the particle is sometimes pronounced giri, so that these phrases are perhaps best thought of as lexically derived adverbs in all occurrences: kore-[k]kiri, -giri 'this (much) only; this time only, never again' with further extensions in Kore-kkiri no hanasi da 'This is (just) between you and me' (Kenkyusha); sore-[k]kiri, -giri 'just that (much); (never) since then' — Móo zyuu-suunen mukasi no hanasi. Sore-kiri awanakatta

Figure 14. Martin (2004: 78)

Watasi fgaf sika hón o yománai = Watasi daké [ga] hón o yómu 'Only I read the book.'

Watasi fgaf wa hón [o] sika yománai = Watasi fgaf wa hón daké [o] yómu 'I read only the book'.

*Watasi fgaf sika hón sika yománai → Watasi daké [ga] hón daké [o] yómu 'Only I read only the book = I'm the only one who reads only the book'.

Figure 15. Martin (2004: 77)

dergo more than one cycle of derivation. The most prominent situation is when the mo is part of a generalizing expression built on an indeterminate, perhaps as a reduction of ... de mo 'even being' as suggested in §9.2.2: dare mo '[not] anybody', nani mo '[not] anything', etc. Alfonso 769 lists acceptable examples with de mo wa: Dare ni de mo wa dekimasen 'Not just ANYBODY can do it', Doko ni de mo wa utte imasen 'These aren't sold just ANYPLACE'. (In these expressions the accent may appear on any member: Doko ni de mo' wa'—if it is on the last syllable the accent is automatically cancelled by the juncture.)

Figure 16. Martin (2004: 54). Square brackets (red) are used for ellipsis of fixed stress; parentheses (yellow) for ellipsis of mobile stress.

Half parentheses ('...' (...)

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Half-brackets () denote dubious phonemes: */k/ŝ) m means "*/kŝm or */ksm".

Half-brackets () are used when the presence of a sound in the word is questionable:
for example, *'ŝam(a) š- means "*'ŝamaš-or *'ŝamš-".

(78) SCush. *bu(u)ŝá or *bŧ(ŧ)ŝá 'hide, skin' [> Dahalo buŝé 'cow hide', Iraqw buŝa?i
    'rash'] (E 140) = Sem. *ba'ŝar- 'skin' (+'flesh') [> Arab. bašar- 'epidermis', Heb.
    bā'ŝār 'flesh, meat', etc.] . For *-r > SCush. *$ cp. # 39 (SCush. *ŝééhe 'moon' =
    Sem. *'ŝah(V)r- 'moon').
```

'heart', Galla 'lubb-a? 'life', Konso lup'p-oota 'heart, soul'] (B 259) = Central Cush. *lV'(bb) $\wedge k$ - 'heart' [> Bilin (P) $l \wedge bb \wedge k \wedge$, pl. $l \wedge ff \wedge k$ 'heart, mind', Kwara (R) $l \wedge bak \bar{a}$, Kemant (CR) $l \wedge bak \bar{a}$, (Bn) $l \wedge bak \bar{a}$ 'heart'] (DSF 163-4).

Figure 17. Dolgopolsy (1987: 212, 205, 198)

()) 'break,' shewing that there is no glide between the letters between which it occurs, 1131, see both) used on 149, line 1.

Figure 18. Ellis (1889: V.88*).

Modifier number sign (*)

The words for 'calf', 'mare' and 'stallion' in Yongning Na illustrate different stages along the path towards full lexicalization. (About the notation of tones in the following examples, see section 4 of Michaud 2008.) 'Calf', /#Hzwæ.zo/, literally means 'baby horse': it is made up of 'horse', /#Hzwæ/, plus the word for 'son', /#Hzo/; the latter is clearly on its

Figure 19. Michaud (2012: 127). Superscript #H is a boundary tone (a floating high tone, which can only exist after #, a word boundary), not just a high tone H that happens to appear after a word boundary, which is what currently supported [#H] would indicate.

[The apparent example of $\langle * \rangle$ in Figure 2 was intended to be an overscript.]

	Yongning Na	Western Naxi
1. 'water, shuǐ 水'	/ ^L dzi/	/ ^L gi/
2. 'to fall (rain), 下 (雨, 雪)	/gi/ (toneless ⁵)	/ ^M gui/
xià (yŭ, xuĕ)'		W 11
3. 'bear (animal), 熊 xióng'	/ ^{#H} gi.na.mi/	/ ^L gy/
4. 'granary, 粮仓 liángcāng'	/ ^L gi /	/ ^L ŋgu/
5. 'little brother, 弟弟 dìdi'	/#H gi.zw/	/ ^M gw ^M zw/
6. 'half, (一) 半 (yí) bàn'	/Egi/	/ ^M ŋgɯ/
7. existential/'to have, 有 yǒu'	/ ^M dzu/	/ ^M gy/

Figure 20. Michaud (2008: 7). Phonemic contrast between $^{\rm H}$ / and $^{\rm \#H}$ /.

tone of the root with the entire disyllable (*ibid.*, 192); in the case of 'mare', one would expect a ^{#H} tone, not a ^L tone. Lastly, 'stallion', /MLzwæ.su/, is yet further advanced towards independent existence as a

Figure 21. Michaud (2008: 25).

Thus, [ʁud dzud] 'Tibetan' can be analysed as /#L ʁu.dzud/ or /ML ʁu.dzud/. At present, no decisive evidence has been found in favour of one analysis over the other. An argument against the contour interpretation is that no [ML] contour ever appears on a monosyllable, unlike [LM] and [MH]. Decisive arguments in favour

Figure 22. Michaud (2008: 32). Theoretical distinction between $/^{\#L}/$ and $/^{ML}/$, though both are phonetically $[^{ML}]$.

Table 9. The tones of monosyllabic nouns in Na.							
tonal analysis	example						
M	^M la	'tiger'					
L	L khy	'dog'					
LM	LM bu	'pig'					
МН	MH hwy	'cat' [vocative only]					
# H	# _H zwæ	'horse'					

Figure 23. Michaud (2008: 26). /#H/ indicates a word has a floating high tone. When tones are indicated for themselves rather than prefixed to a particular a word, they're baseline L, M, H, #H (left column).

enough to allow for a loan-translation into the Na language: to their native word /LMna/, they add their own word for 'man', /#H hĩ/, yielding /LM+#Hna.hĩ/, a disyllable with a complex tonal pattern, /LM+#H/, *i.e.* a LM contour plus a floating H tone.

Figure 24. Michaud (2008: 31). Explanation of the symbol.

Modifier dollar sign (\$)

[L.LM]	L	L.L+M	L.L+M	/ Lkhy.mi/	[kʰγ⅃ miλ]	'she-dog, bitch'
[M.M]	#H	M.M+M	M.M+H	/ ^{#H} ŋi.mi/	[ŋi+l mi+]	'sun'
[M.MH]	MH#	M.M+H	M.M+H	/ ^{MH#} hw૪.li/	[hws-li1]	'cat'
[L.M]	LM	L.M+M	L.M+L	/ ^{LM} bu.mi/	[bu] mi-]	'sow, female pig'
[M.H]	H\$	M.M+M	M.M+H	/ ^{HS} hwy.mi/	[hws-i mi]]	'she-cat'
[L.M]	LM+#H	L.M+M	L.M+H	/ LM+#H na.hĩ/	[na] hĩ+]	'Naxi'
[L.MH]	L+MH	L.M+H	L.M+H	/ L+MH i.tsæ/	[i] tsæ1]	'waist'

Figure 25. Michaud (2008: 29). Contrast between $/^{H\$}$ /, a high tone characteristic of the end of a phonological phrase, and $/^{H\$}$ /, a high tone characteristic of the end of a word.

'dollar' sign, \$, stands for the end of the phonological phrase: H\$ refers to a H tone that associates to the last syllable of the phonological phrase. The other syllables receive M, by default. Thus, / H\$ ky.\$i/ 'flea' is realised as [ky-| \$i-|] in isolation, where the last syllable of the word is also the last syllable of the phonological phrase; adding the copula after this word yields [ky-| \$i-| ni-|], i.e. the H tone lands, not on the last syllable of the lexical word, but on the copula, which is the last syllable of the phonological phrase. Examples include: / H\$ my.\$u/, 'the heavens above'; / H\$ qhy.dzi/

Figure 26. Michaud (2008: 31). Explanation of the symbol.

ISO/IEC JTC 1/SC 2/WG 2

PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 10646¹

OR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 1064

Please fill all the sections A, B and C below.

Please read Principles and Procedures Document (P & P) from http://std.dkuug.dk/JTC1/SC2/WG2/docs/principles.html for guidelines and details before filling this form.

details before filling this form.

Please ensure you are using the latest Form from http://std.dkuug.dk/JTC1/SC2/WG2/docs/summaryform.html.

See also http://std.dkuug.dk/JTC1/SC2/WG2/docs/roadmaps.html for latest Roadmaps.

A. Administrative

1. Title:	lifier IPA letters (a), pulmonic
2. Requester's name:	Kirk Miller
3. Requester type (Member body/Liaison/Individual contr	ribution): individual
4. Submission date:	2021 January 11
5. Requester's reference (if applicable):	
6. Choose one of the following:	
This is a complete proposal:	yes
(or) More information will be provided later:	
B. Technical - General	
1. Choose one of the following:	
a. This proposal is for a new script (set of character	s):
Proposed name of script:	
b. The proposal is for addition of character $\overline{(s)}$ to an	
Name of the existing block:	mbining Diacritical Marks Extended, Supplemental Punctuation, Spacing Modifier Letters-A (new)
2. Number of characters in proposal:	15
3. Proposed category (select one from below - see section	
A-Contemporary √ B.1-Specialized (small colle	ction) B.2-Specialized (large collection)
C-Major extinct D-Attested extinct	E-Minor extinct
F-Archaic Hieroglyphic or Ideographic	G-Obscure or questionable usage symbols
4. Is a repertoire including character names provided?	yes
a. If YES, are the names in accordance with the "ch	
in Annex L of P&P document?	Ju ju
b. Are the character shapes attached in a legible for	rm suitable for review? yes
5. Fonts related:	
	font to the Project Editor of 10646 for publishing the standard?
	Kirk Miller
b. Identify the party granting a license for use of the	e font by the editors (include address, e-mail, ftp-site, etc.):
	(Gentium release)
6. References:	
a. Are references (to other character sets, dictional	ies, descriptive texts etc.) provided? yes
b. Are published examples of use (such as samples	
sources) of proposed characters attached?	yes
7. Special encoding issues:	
Does the proposal address other aspects of charact	er data processing (if applicable) such as input,
presentation, sorting, searching, indexing, translit	
	· · · · · · · · · · · · · · · · · · ·
8. Additional Information:	
Submitters are invited to provide any additional informat	ion about Properties of the proposed Character(s) or Script that
	cic processing of the proposed character(s) or script. Examples of
	tion, Currency information, Display behaviour information such as
	haviour, Directional behaviour, Default Collation behaviour,
	and other Unicode normalization related information. See the
	ormation on other scripts. Also see Unicode Character Database (
	Inicode Technical Reports for information needed for consideration
by the Unicode Technical Committee for inclusion in the	Unicode Standard.

 $^{1 \\ \}text{Form number: N4502-F (Original 1994-10-14; Revised 1995-01, 1995-04, 1996-04, 1996-08, 1999-03, 2001-05, 2001-09, 2003-11, 2005-01, 2005-09, 2005-10, 2007-03, 2008-05, 2009-11, 2011-03, 2012-01)}$

C. Technical - Justification

12. Has contact been made to members of the user community (for example: National Body, user groups of the script or characters, other experts, etc.)? If YES, with whom? If YES, available relevant documents: 3. Information on the user community for the proposed characters (for example: size, demographics, information technology use, or publishing use) is included? Reference: 4. The context of use for the proposed characters (type of use; common or rare) Reference: 5. Are the proposed characters in current use by the user community? If YES, where? Reference: 6. Are giving due considerations to the principles in the P&P document must the proposed characters be entirely in the BMP? If YES, is a rationale provided? If YES, reference: 7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)? 8. Can any of the proposed characters be considered a presentation form of an existing character or character sequence? 9. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters? 10. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters? 11 YES, is a rationale for its inclusion provided? 11 YES, is a rationale for its inclusion provided? 11 YES, is a rationale for its inclusion provided? 11 YES, is a rationale for its inclusion provided? 11 YES, is a rationale for its inclusion provided? 12 If YES, is a rationale for its inclusion provided? 13 If YES, is a rationale for use of composite sequences? 14 If YES, reference: 15 Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided? 15 If YES, reference: 16 Loos the proposal contain any Ideographic compatibility characters? 17 If YES, reference: 18 List of composite sequences and their corresponding glyph images (graphic symbols) provided? 17 If YES, reference: 18 List of composite sequences and the	1. Has this proposal for addition of character(s) been submitted before?	no
user groups of the script or characters, other experts, etc.)? If YES, available relevant documents: 3. Information on the user community for the proposed characters (for example: size, demographics, information technology use, or publishing use) is included? Reference: 4. The context of use for the proposed characters (type of use; common or rare) Reference: 5. Are the proposed characters in current use by the user community? If YES, where? Reference: 6. After giving due considerations to the principles in the P&P document must the proposed characters be entirely in the BMP? If YES, is a rationale provided? If YES, reference: 7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)? 8. Can any of the proposed characters be considered a presentation form of an existing character or character sequence? If YES, is a rationale for its inclusion provided? If YES, is a rationale for its inclusion provided? If YES, is a rationale for its inclusion provided? If YES, is a rationale for its inclusion provided? If YES, is a rationale for its inclusion provided? If YES, is a rationale for its inclusion provided? If YES, is a rationale for its inclusion provided? If YES, is a rationale for its inclusion provided? If YES, is a rationale for its inclusion provided? If YES, is a rationale for its inclusion provided? If YES, reference: 10. Can any of the proposed character(s) be considered to be similar (in appearance or function) to, or could be confused with, an existing character or one of the proposed character is an include use of combining characters and/or use of composite sequences? If YES, reference: 11. Does the proposal contain any Ideographic compatibility characters? If YES, describe in detail (include attachment if necessary)	If YES explain	
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