2023-05-31

Universal Multiple-Octet Coded Character Set International Organization for Standardization Organisation Internationale de Normalisation Международная организация по стандартизации

Doc Type: Working Group Document

Title: Revised proposal for the addition of LATIN CAPITAL LETTER TURNED W to the UCS

Source: Michael Everson

Status: Individual Contribution

Date: 2023-05-31

Replaces: N5070 (L2/19-213) 2019-05-10

This proposal requests the encoding of one Latin capital letter which provides casing support for one existing character. If this proposal is accepted, the following character will exist:

M A7DA LATIN CAPITAL LETTER TURNED W

• lowercase is 028D M

The M LATIN CAPITAL LETTER TURNED W serves as an upper-case equivalent of U+028D M LATIN SMALL LETTER TURNED W in the same way as U+0245 Λ LATIN CAPITAL LETTER TURNED V serves as an upper-case equivalent of U+028C Λ LATIN SMALL LETTER TURNED V. I first noticed the absence of this character during the preparation of two case-pairing transcriptions, one for the reconstructed 18th-century Scots pronunciation of Robert Burns, and one for phonetically transcribing a passage written in Pitman Shorthand. In both cases long texts were prepared using casing orthographies for the convenience of non-specialist readers to ease their navigation of the text.

Four years later I have two additional examples of a reasonable need for this character. The first is the Robert Burns example in a book about spelling-reform of the Scots language, of which WG2 and UTC were advised in 2019, which has since appeared in 2022.

Eleven years ago, N4030R2 (L2/12-082) presented a similar, successful, request for the encoding of 3 U+A7AB LATIN CAPITAL LETTER REVERSED OPEN E and G U+A7AC LATIN CAPITAL LETTER SCRIPT G, for an edition of *Alice's Adventures in Wonderland* printed in the International Phonetic Alphabet. The *only* reason LATIN CAPITAL LETTER TURNED w was not requested at that time is that the wine/whine merger applies to Received Pronunciation as used in that book. Had it been requested in that document, the character M would already exist.

In the Scots language, in any case, the phonemes /w/ and /m/ remain distinct. Compare N5036R (L2/19-075R), which successfully proposed both © U+1AC0 COMBINING LATIN SMALL LETTER TURNED W BELOW AND U+AB69 MODIFIER LETTER SMALL TURNED W also for Scots linguistics. In 2022 Andy Eagle's transcription of Burns' text into IPA using user-friendly capitals was published, so LATIN CAPITAL LETTER TURNED W is a published fact in the Scottish and linguistic world, and this citation alone should be sufficient. See Figures 1 through 3b.

In Pitman Shorthand, the phonemes /w/ and /m/ are likewise distinctly represented. Moreover, Pitman marks the capitalization of proper names and place-names, so a transcription which cannot show this distinction is defective. See Figures 4 and 4b.

The most recent to come to my attention concerns the use of the character in transcription of texts written by Ursula K. Le Guin. In 1983 and 1983, Le Guin devised a language for one of her more ambitious books, *Always Coming Home*. I am currently writing a book about Le Guin as a language creator, to be titled *Ursula K. Le Guin and the Secret Vice*, and for it there are two languages for which a capital M will be used. One of these is an unknown "practice" language (a fascinating look into the creative process of one of our greatest writers), and the other is the language of the people of the novel, called Kesh, written in Latin letters but also having an alphabet of its own, called Aiha. In the invented and undecipherable "practice language" Le Guin distinguishes /w/ from /m/ orthographically and in my phonetic transcription of this I use capital letters to assist the nonspecialist reader in navigating a text in an unfamiliar alphabet. See Figure 5.

In orthographic transcriptions of Kesh text written in Aiha script where the letter $\sim hw$ appears, the forms M and M can occur. There is a word $\sim)$ 'scrub oak' (*Quercus dumosa*), for instance, which can be transcribed *hwette* and $MEt:\mathcal{E}$, but when used as a personal name it may be *Whette*, Hwette, or $MEt:\mathcal{E}$.

Unicode Character Properties.

028D;LATIN SMALL LETTER TURNED W;Ll;0;L;;;;N;;;A7DA;;A7DA A7DA;LATIN CAPITAL LETTER TURNED W;Lu;0;L;;;;N;;;;028D;

Bibliography,

- Carroll, Lewis. 2014. Alice's Adventures in Wonderland in the International Phonetic Alphabet: 'Ælisiz Əd'ventsəz in 'Wandəlænd. Cathair na Mart: Evertype. ISBN 978-1-904808-72-5.
- Carroll, Lewis. [2023, in press]. Alice's Adventures in Wonderland. An edition printed in Pitman's Shorthand (New Era Intermediate Stage): (Ælisez Ædventrs n Wanderlænd). Dundee: Evertype. ISBN 978-1-78201-244-3.
- Eagle, Andy. 2022. Written Scots in Scotland and Ulster: A review of traditional spelling practice and recent recommendations for a regularized orthography. (Corpus Textuum Scoticorum; 2), Dundee: Evertype. ISBN 978-1-78201-263-4.
- Everson, Michael. [Forthcoming]. *Ursula K. Le Guin and the Secret Vice*. Dundee: Evertype. ISBN 978-1-78201-320-4.
- Le Guin, Ursula K. 1985. *Always Coming Home*. Artist: Margaret Chodos. Composer: Todd Barton. George Hersh, Geomancer. Maps drawn by the author. New York: Harper & Row. ISBN 0-06-015545-0
- Pitman, Isaac. [s.d.]. *Pitman's Shorthand Dictionary*. Eleventh Edition (New Era). London: Sir Isaac Pitman and Sons.

§9.1 WRITTEN SCOTS IN SCOTLAND AND ULSTER

9.1 ROBERT BURNS

Carlisle 1st June 1787—or

I believe the 39th o' May rather

Kind, honest-hearted Willie,

I'm sitten down here, after seven and forty miles ridin, e'en as forjesket and forniaw'd¹⁸⁷ as a forfoughten cock, to gie you some notion o'my landlowper-like stravaguin sin the sorrowfu' hour that I sheuk hands and parted wi' auld Reekie.—

My auld, ga'd Gleyde o' a meere has huchyall'd up hill and down brae, in Scotland and England, as teugh and birnie as a vera devil wi' me.—It's true, she's as poor's a Sang-maker and as hard's a kirk, and tipper-taipers 10 when she taks the gate first like a Lady's gentlewoman in a minuwae, ¹⁸⁸ or a hen on a het girdle, but she's a yauld, poutherie Girran for a' that; and has a stomach like Willie Stalker's meere that wad hae disgeested tumbler-wheels, for she'll whip me aff her five stimparts o' the best atts at a down-sittin and ne'er fash her thumb.—When ance her ring banes and 15 spavies, her crucks and cramps, are fairly soupl'd, she beets to, beets to, and aye the hindmost hour the tightest.—I could wager her price to a thretty pennies that, for twa or three wooks ridin at fifty mile a day, the deil-stickit a five gallopers acqueesh Clyde and Whithorn could cast saut in her tail.—

I hae dander'd owre a' the kintra frae Dumbar to Selcraig, and hae forgather'd wi' mony a guid fallow, and mony a weel-far'd hizzie.—I met wi' twa dink quines in particlar, ane o' them a sonsie, fine, fodgel lass, baith braw and bonie; the tither was a clean-shankit, straught, tight, weel-far'd winch, as blythe's a lintwhite on a flowerie thorn, and as sweet and modest's 25 a new blawn plumrose¹⁸⁹ in a hazle shaw.—They were baith bred to mainers by the beuk, and onie ane o' them has as muckle smeddum and rumblegumtion as the half o' some Presbytries that you and I baith ken.—They play'd me sik a deevil o' a shavie that I daur say if my harigals were turn'd out, ye wad see twa nicks i' the heart o' me like the mark o' a kail- 30 whittle in a castock.—

I was gaun to write you a lang pystle, ¹⁹⁰ but, Gude forgie me, I gat myself sae notouriously bitchify'd the day after kail-time that I can hardly stoiter but and ben.—

162

Figure 1. Transcription of a letter by Robert Burns to William Nicol, 1787-06-01 as published in Eagle 2022. This is from a book on orthographies for Scots by Andy Eagle, *Written Scots in Scotland and Ulster*. It reviews many proposals for a normalized orthography, and uses this text as a sample to test out various orthographic proposals. The graph (wh) occurs 7 times on this page, 2 of them using capital letters. There are 11 sample revisions given in this section of the book; in Figure 2, a modern suggested orthography is shown, and in Figures 3 and 3b the relevant IPA transcription of Burns' letter is given.

 $^{187 \}quad For + gnaw + ed.$

¹⁸⁸ Phonetic spelling of the French 'menuet' minuet. Perhaps a more opaque spelling.

¹⁸⁹ Dissimilated variant of primrose.

¹⁹⁰ Aphetic form of epistle.

§9.12 WRITTEN SCOTS IN SCOTLAND AND ULSTER

9.12 ANDY EAGLE

Scots was often, and still is, written conform to Standard English grammar, and Burns was no exception. For Scots grammar forms based on Wilson $(1923)^{260}$ see the notes following the text.

Carlisle 1st *Juin* 1787—or I believe the 39^t o Mey raither Kind, honest-hertit Willie,

I'm sitten doun here, efter seiven and fowerty miles' ridin, e'en as forjaskit and forgnawed as a forfochten cock, tae gie ye some notion o 5 ma laund-lowper-like stravagin sin the sorraefu oor that I sheuk haunds and pairtit wi auld Reekie.

Ma auld, gawed glyde o a meir haes hochelt up hill and doun brae, in Scotland and England, as teuch and birny as a verra deevil wi me. It's true, she's as puir's a sang-makker and as haurd's a kirk, and tipper-taepers 100 whan she taks the gate, first like a leddy's gentlewumman in a minuet, or a hen on a het girdle; but she's a yauld, pouthery garron for aw that, and haes a stamack like Willie Stalker's meir that wad hae disgeestit tunmler-wheels, for she'll whip me aff her five stimparts o the best aits at a doun-sittin and ne'er fash her thoum. Whan ance her ringbanes and 15 spavies, her creuks and cramps, are fairly soupelt, she beets tae, beets tae, and aye the hindmaist oor the tichtest. I coud wager her price tae a thritty pennies, that for twa or three wouks ridin at fifty mile a day, the deil stickit a five gallopers aqueesh Clyde and Whithorn coud cast saut in her tail.

I hae daindert ower aw the kintra frae Dunbaur tae Selcraig, and hae forgaithert wi mony a guid fallae, and mony a weel-faured hizzie. I met wi twa dink quean in parteecular, ane o thaim a sonsy, fine, fodgle lass, baith braw and bonny; the tither wis a clean-shankit, straucht, ticht, weel-faured winch, as blithe's a lintwhite on a flouery thorn, and as sweet and modest's 25 a new blawn plumrose in a hazle shaw. Thay war baith bred tae mainers by the beuk, and ony ane o thaim haes as muckle smeddum and rummle-gumption as the hauf o some presbyteries that you and I baith ken. Thay played me sic a deevil o a shavie that I daur say if ma harigalds war turnt oot, ye wad see twa nicks in the hert o me like the merk o a kail- 30 whittle in a castock.

I wis gaun tae write ye a lang epistle, but, Guid forgie me, I gat masel sae notoriously bitchifee'd the day efter kail-time that I can haurdly stoiter but and ben.

260 The Dialect of Robert Burns as Spoken in Central Ayrshire, Oxford University Press.

184

Figure 2. Proposed orthography for Scots by Andy Eagle based on his analysis of proposals from 1947 to today and their relationship to traditional orthographic practice (Eagle 2022). The graph $\langle wh \rangle$ is again marked here.

§9.13 WRITTEN SCOTS IN SCOTLAND AND ULSTER

9.13 PHONETIC TRANSCRIPTION

This is a broad phonetic transcription of Robert Burns's letter as it may have been pronounced by Burns (based on Wilson (1923)).²⁶¹ It transcribes words in full and makes no allowance for connected speech such as assimilation and elision. Capital letters (not usual in the IPA) have been added here to facilitate comparison with the other texts.

Ka:r'ləil farst D3m²⁶² 'sivntin 'extı 'sivn ər A bə'liv ðə 'θrιτι nəint ə Məi 're:ðər Kəin, 'Onəst 'Hεττιτ 'Walı,

 $m Cm^{'}$ sıtən dun hi:r, 263 'eftər 'si:vn ən 'fo:rtı məilz 'rəidın, im az 264 fər'dʒeskıt ən fər'njo:d az ə fər'foxən kok, te: gi: ji: sam 'nofən ə 5 ma lo:m'laupər'ləik stra'vegin sin ðə 'so:rafa u:r ðət 265 m Cl Jak honz ən 'pe:rtıt wı o:l 'Riki.

Ma²⁶⁶ ǫːl, gọːd gləid oː ə miːr hız 'hʌxɨəlt ʌp hʌl ən dun breː, m²⁶⁷ 'Skotlon ən 'Iŋlom, az tjʌx ən 'bɪrnı as ə 'vɛra 'diːvəl wı miː. Its trix, shiːz az peːrz ə 'Saŋ'makər ən az hardz a kırk, ən 'tɪpər'tepərz 10 мап ʃiː taks ðə get, fʌrst ləik²⁶⁸ ə 'Lɛdiːz 'dʒɛntəl'wʌmən ın ə 'mɪnuweː, ɔr ə hɛn on ə hɛt 'gɪrdəl; bʌt ʃiːz ə jo̞ːl, 'puːðəre 'Gɛrən fər ọː ðat, ən hız ə 'stamək ləik 'Wʌli 'Sto̞ːkərz miːr ðat²⁶⁹ wʌd heː dɪs'dʒistɪt 'tʌmlər-wilz, fər ʃiːl мʌp miː af hər²⁷⁰ faɪv 'stɪnpərts oː ðə bɛst ets at ə dun 'sɪtın ən niːr faʃ hər θum. Man jıms hər rɪŋ'benz ən 15 'speːviːz, hər krʌks ən kramps, aɪr 'feːle ˈsupəlt, ʃiː bits teː, bits teː, ən əi ðə 'hɪnməst uːr ðə 'tɪçəst. A kud 'wadʒər hər prəis teː ə 'ðrɪtı 'pɛniːz, ðat fər two̞ː oːr ðriː wuks 'rəidɹə ət 'fɛftı məil ə deː, ðə dil stɪkɪt ə faɪv 'galəpərz əˈkwiʃ Kləid ən 'Mʌthoːrn kud kast so̞t m hər tel.

O he: 'do:nərt aur o: ðə 'kıntra fre: Dan'borr²⁷¹ te: Sɛl'kreg, ən he: fər'geðərt wi 'mane ə gid 'fala, ən 'mane ə wil fo:rt 'hizi. O met wi two: diŋk kwinz in pər'tiklər, jin ə ðəm²⁷² ə 'sonse, fəin, 'fodʒəl las, be θ bro: ən 'bone; ðə 'tiðər waz ə klin 'faŋkit, stro:xt, tiçt, wil fo:rt

- 261 The Dialect of Robert Burns as Spoken in Central Ayrshire, Oxford University Press.
- 262 Assimilation would produce [fars dʒm].
- 263 Reduction to [i:r] may occur in colloquial speech.
- 264 Reduction to [əz] may occur in colloquial speech.
- 265 The stressed form is [ðat].
- 266 In colloquial speech before a vowel, reduction to [m] may occur.
- $267 \quad Reduction \ to \ [i] \ in \ unstressed \ positions \ before \ consonants \ may \ occur \ in \ colloquial \ speech.$
- 268 Assimilation would produce [fars laik].
- 269 The relative pronoun is usually reduced to [ət] or [ðət] in colloquial speech.
- 270 Probably reduced to [ər] in colloquial speech.
- 271 As Burns wrote Dumbar that may be [dxm'boxr] cf. Dumbarton.
- 272 The stressed form is [ðem].

186

Figure 3. Transcription into the International Phonetic Alphabet of a letter by Robert Burns to William Nicol, 1787-06-01, as published in Eagle 2022. Here voiceless /m/ is written in lowercase as $\langle m \rangle$ and in uppercase as $\langle M \rangle$.

Note that three other letters original to the IPA are used in this text with capital forms which were not encoded at the time that IPA characters were first encoded: a, g, I, and M were first encoded in Unicode 1.1, Q in Unicode 5.1, Q in Unicode 7.0, and T in Unicode 9.0.

25 wans, az blanθz ə 'lıntməit on ə 'fluri θorn, ən az swit ən 'modists ə nju: blom 'plamırorz in ə 'hezəl sor. Đe: war beθ bred te:²⁷³ 'menərz bi ðə bjak, ən 'one jin o: ðem hiz az 'makəl 'smedəm ən 'raməl'gamsən az ðə horf ə sam 'presbitris ðat ju: ən α beθ ken. Đe: pleid mi: sik ə 'di:vəl o: ə 'fe:vi ðat α dor se: if ma 'ha:ri,gəlz war 30 tarnt ut, ji: wad si: two: niks in ðə hert o: mi: ləik ðə ma:rk o: ə kel-matəl m ə 'kastək.

A waz gom te:²⁷⁴ rəit yi: ə lom ə'pısəl, bat, Gıd fər'gi: mi:, A gat ma'sel se: nə'to:rrəs 'bıtʃıfı:d ðə de: 'ɛftər kel'təim ðat A kan 'horrle 'stortər bat ən ben.

35 Ma best rə'speks²⁷⁵ te: ðə 'gıd₁wəif ən ç: u:r 'komən frinz, ə'spifəl 'Mıstər ən 'Mestrəs Krʌk'ʃaŋk, ən ðə 'ɔnəst Gıd'man²⁷⁶ o: Dʒoks Ludz.

Al bi: ın Dam'fris ðə morrn gıf ðə bist bir²⁷⁷ te: ðə forr, ən ðə braŋks bəid hel.

Gid bi: wi ju:,²⁷⁸ Wali! A: men.

40 Robert Barnz

Key to the IPA capital letters used above

Clα Bb Dd Đð Gg Hh Tr Kk Ll Mm Oo Rr Ss W

187

Figure 3b. The rest of Burns' letter as published in Eagle 2022.

Мм

²⁷³ Likely reduced to [tə] in colloquial speech.

²⁷⁴ Assimilation would produce [gone:].

²⁷⁵ Assimilation would produce [bes rə'speks].

²⁷⁶ Assimilation would produce ['ɔnəs gɪd'man].

²⁷⁷ Assimilation would produce [bis bi:].

²⁷⁸ In colloquial speech [jii] would be more probable. The nominative and objective is [jii], unstressed [jɪ]. The accusative and dative is [jui].



CHAPTER I

Down the Rabbit-Hole

LICE z bgmŋ tget vr taird vsitŋ baher sistr nð bæŋk, nv vŋ mŋ td: wans ər twas ʃi: d pi:pt ntuð buk her sistr z ri:dŋ, b t d no: piktz ər vrsʃz nt, "n atsð ju:s v a buk," θə:t Ælis, "wt piktz ər vrsʃz?" so: ʃi:z sidŋ, nhero:n maind (zwelz ʃi: k, fð hət dei meid her fi:l vr sli:pi n stju:pid), nðrð ʒr vmeikŋ a deizitʃem wb warθð trabl vgetŋ ap n pikŋð deiziz, n sdnli d Mait Ræbit w piŋk aiz ræn clo:s baiher.

lice was beginning to get very tired of sitting by her sister on the bank, | and of having nothing to do: once or twice she had peeped into the | book her sister was reading, but it had no pictures or conversations in it, | "and what is the use of a book," thought Alice, "without pictures or conversations?" So she was considering, in her own mind (as well as she could, for the hot day made | her feel very sleepy and stupid), whether the pleasure of making a daisy-chain would be | worth the trouble of getting up and picking the daisies, when suddenly a

Figure 4. Example from Carroll [2023; in press], showing LATIN CAPITAL LETTER TURNED W alongside LATIN CAPITAL LETTER AE and LATIN CAPITAL LETTER R. This page faces the first page of the text of the book, which can be seen in Figure 6b.

White Rabbit | with pink eyes ran close by her.

Note that the transcription given here is not a phonetic transcription, but an orthographic transliteration between Pitman glyphs and Latin letters. It uses characters encoded for the IPA, but it uses them orthographically where easing is normal and appropriate.



CHAPTER I

Down the Rabbit-Hole

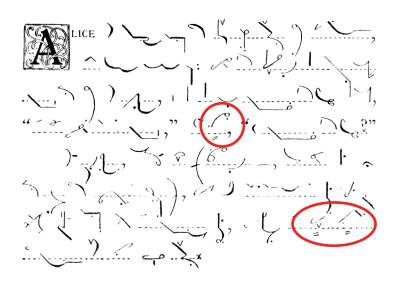


Figure 4b. Example from Carroll [2023; in press], showing the text of the beginning of *Alice's Adventures in Wonderland* in Pitman Shorthand. The double lines below the names "Alice" Ælis and "White Rabbit" *Mait Ræbit* can be seen, indicating that these are proper names, to be represented by capital letters in orthographic transcription. In Pitman Shorthand the size of the hook distinguishes /w/ from /m/, as can be seen in the entries below, taken from the New Era Shorthand dictionary.

wight white

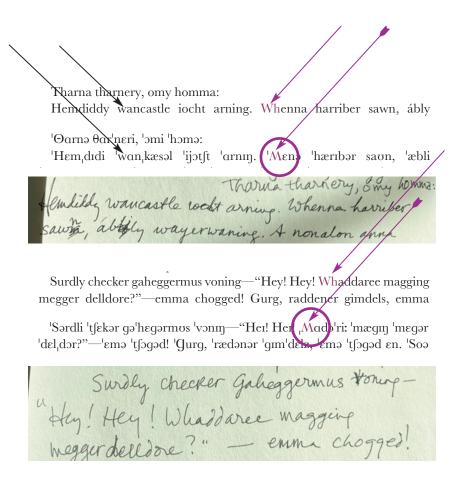


Figure 5. In a manuscript written by Ursula K. Le Guin, four folios present what I have analysed to be four different "practice languages" devised evidently as homework as Le Guin prepared to devise the Kesh language which she would need for poetry and songs in the *Always Coming Home/Music and Poetry of the Kesh* project.

Here I have presented a very small part of what is not a very extensive text in the first of these languages. It has not before been published, and is here courtesy of the Le Guin Estate.

Two sentences beginning with wh / m can be seen in *Whenna* and *Whaddaree*, alongside w / m in wancastle. Since the phonetic transcription is intended to be user-friendly to non-specialists, capital letters are used orthographically in the transcription.

A. Administrative

1 Title

Revised proposal for the addition of LATIN CAPITAL LETTER TURNED W to the UCS

2. Requester's name

Michael Everson

3. Requester type (Member body/Liaison/Individual contribution)

Individual contribution.

4. Submission date

2023-05-31

- 5. Requester's reference (if applicable)
- 6. Choose one of the following:

6a. This is a complete proposal

Ves.

6b. More information will be provided later

No

B. Technical – General

1. Choose one of the following:

1a. This proposal is for a new script (set of characters)

No.

1b. Proposed name of script

1c. The proposal is for addition of character(s) to an existing block

Ves

1d. Name of the existing block

Latin Extended-D

2. Number of characters in proposal

1.

3. Proposed category (A-Contemporary; B.1-Specialized (small collection); 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)

Category A.

4a. Is a repertoire including character names provided?

Yes.

4b. If YES, are the names in accordance with the "character naming guidelines" in Annex L of P&P document?

Yes.

4c. Are the character shapes attached in a legible form suitable for review?

Yes

5a. Who will provide the appropriate computerized font (ordered preference: True Type, or PostScript format) for publishing the standard?

Michael Everson.

5b. If available now, identify source(s) for the font (include address, e-mail, ftp-site, etc.) and indicate the tools used:

Michael Everson, FontLab.

6a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?

Yes.

6b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached? **Yes.**

7. Does the proposal address other aspects of character data processing (if applicable) such as input, presentation, sorting, searching, indexing, transliteration etc. (if yes please enclose information)?

Yes.

8. Submitters are invited to provide any additional information about Properties of the proposed Character(s) or Script that will assist in correct understanding of and correct linguistic processing of the proposed character(s) or script. Examples of such properties are: Casing information, Numeric information, Currency information, Display behaviour information such as line breaks, widths etc., Combining behaviour, Spacing behaviour, Directional behaviour, Default Collation behaviour, relevance in Mark Up contexts, Compatibility equivalence and other Unicode normalization related information. See the Unicode standard at http://www.unicode.org/public/UNIDATA/UnicodeCharacterDatabase.html and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.

See above.

C. Technical – Justification

1. Has this proposal for addition of character(s) been submitted before? If YES, explain.

No.

2a. Has contact been made to members of the user community (for example: National Body, user groups of the script or characters, other experts, etc.)?

Yes.

2b. If YES, with whom?

Andy Eagle.

- 2c. 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?

Linguists, phoneticians, Anglicists, Carrollians, conlangers.

4a. The context of use for the proposed characters (type of use; common or rare)

Used in modern editions.

4b. Reference

5a. Are the proposed characters in current use by the user community?

Yes.

5b. If YES, where?

Various publications.

6a. After giving due considerations to the principles in the P&P document must the proposed characters be entirely in the BMP?

6b. If YES, is a rationale provided?

Yes.

6c. If YES, reference

Accordance with the Roadmap. Keep with other Latin phonetic characters.

7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?

No.

8a. Can any of the proposed characters be considered a presentation form of an existing character or character sequence?

No.

8b. If YES, is a rationale for its inclusion provided?

8c. If YES, reference

9a. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters?

No.

9b. If YES, is a rationale for its inclusion provided?

9c. If YES, reference

10a. Can any of the proposed character(s) be considered to be similar (in appearance or function) to an existing character?

No.

10b. If YES, is a rationale for its inclusion provided?

10c. If YES, reference

11a. Does the proposal include use of combining characters and/or use of composite sequences (see clauses 4.12 and 4.14 in ISO/IEC 10646-1: 2000)?

No.

11b. If YES, is a rationale for such use provided?

11c. If YES, reference

11d. Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided?

No.

11e. If YES, reference

12a. Does the proposal contain characters with any special properties such as control function or similar semantics?

Nο

12b. If YES, describe in detail (include attachment if necessary)

13a. Does the proposal contain any Ideographic compatibility character(s)?

No.

13b. If YES, is the equivalent corresponding unified ideographic character(s) identified?