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

Doc Type: Working Group Document

Title: Proposal to add two mediaeval punctuation characters to the UCS

Source: Michael Everson

Status: Individual Contribution

Action: For consideration by JTC1/SC2/WG2 and UTC

Date: 2020-11-10

Replaces: N4726 (L2/16-125) 2016-05-04

1. Introduction. This proposal for MEDIEVAL QUESTION MARK and MEDIEVAL EXCLAMATION MARK derives largely from the omnibus Medievalist punctuation character proposal, L2/16-125 "Revised Proposal to add Medievalist punctuation characters (WG2 N4726)" by Michael Everson et al. This proposal requests two punctuation characters be added for support of medieval European linguistic and literary research and publication. If this proposal is accepted, the following characters will be encoded:

2E53 MEDIEVAL EXCLAMATION MARK
 2E54 MEDIEVAL QUESTION MARK

- **2. Medieval exclamation mark** (*punctus exclamativus*). An original indicator of *positura* is also known as *punctus admirativus*. This is the origin of the modern exclamation mark and reversed exclamation mark. A glyph variant! stands upright; the character conventionally has two dots, unlike the modern EXCLAMATION MARK. One character, U+2E53! MEDIEVAL EXCLAMATION MARK has been proposed here for encoding. See Figures 1, 5, 6, 7, 11.
- **3. Medieval exclamation mark** (*punctus exclamativus*). This originally indicated *positura* but came to indicate a question requiring an answer. This is the origin of the modern ? QUESTION MARK and ¿ INVERTED QUESTION MARK. The glyph for this character is sometimes angular with one to three hooks . and is typically slanted toward the right; the vertical form we know today dates to the late 15th century. One character, U+2E56 : MEDIEVAL QUESTION MARK has been proposed here for encoding. A related function, the *punctus percontativus*, indicated a rhetorical question and is represented by U+2E2E ? REVERSED QUESTION MARK. See Figures 1, 2, 3, 4, 6, 7, 8, 9, 11, 12, 13.
- **4. Linebreaking.** Line-breaking properties for these are suggested as follows.

Like U+0021! EXCLAMATION MARK (EX (Exclamation)): 2E53..2E54

5. Unicode Character Properties. Character properties are proposed here.

2E56; MEDIEVAL EXCLAMATION MARK; Po; 0; ON;;;;; N;;;;; 2E57; MEDIEVAL QUESTION MARK; Po; 0; ON;;;;; N;;;;;

6. Bibliography.

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- Núñez Contreras, Luis. *Manual de paleografía: fundamentos e historia de la escritura latina hasta el siglo VIII*. Madrid: Cátedra. ISBN 84-376-1245-4.
- Ouy, Gilbert. 1987. "Ortographe et ponctuation dans les manuscrits autographes des humanistes français des XIVe et XVe siècles", in Alfonso Maierù (ed.) *Grafia e interpunzione del Latino nel medioevo*, *Seminario Internazionale (Roma*, 27-29 settembre 1984). Roma: Edizioni dell'Ateneo. p. 167–206.
- Parkes, M. B. 1993. *Pause and effect: an introduction to the history of punctuation in the West*. Berkeley & Los Angeles: University of California Press. ISBN 0-520-07941-8.
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7. Figures

Signos de puntuación en textos españoles

Los signos de puntuación en códices y documentos españoles de la Edad Media es muy irregular. Agustín Millares Carlo, uno de los más rigurosos especialistas en escritura visigótica, afirmó que «los signos en códices y documentos de escritura visigótica pertenecen a más de un sistema y su equivalencia respecto a los actuales no se deja precisar»²⁷. Los signos son éstos:

A partir del siglo XII y en textos en escritura carolingia se empezó a regularizar el sistema de puntuación con notable mengua de los signos: casi en exclusiva se utilizaron para indicar las pausas el punto (.) en línea de escritura, y el punto con vírgula sobrepuesta (/); la pausa final se indicó con un signo formado así: ...

En los documentos escritos en castellano en la baja Edad Media, la puntuación es muy irregular, adoptándose rayas y curvas acompañadas de puntos a veces para señalar y no con exactitud los periodos.

Figure 1. Sample from Núñez Contreras 1994 showing MEDIEVAL EXCLAMATION MARK and MEDIEVAL QUESTION MARK.

Le suos mantenesses in sommum quica calife quisque al la dilectro. E; Torram diligis roma ensidement, des diligis roma ensidement, des diligis roma en some some some some some audiament ego dixi disofas es filis excelsionis. si engo milas eedis es filisabers simily police diligero mundum peque a quaes immundo; si quis dilexerit mundum pen e carras parris inillo qui acomnia quaes in mundo desiderium carris i e el desiderio oculorus sambiro seti quaes con e expanso sed exmundo e.

St. Augustine.—A.D. 823

sic et vos maneatis in eternum de quia talis est quisque qualis | eius dilectio est; Terram diligis de terra eris; deum diligis de quid dicam deus er se Non audeo dicere ex med scribtur as] | audiamus deus er se di et fili excelsi omnes; si ergo | vultis esse dii et filii altissimi nolite diligere mundum | neque ea quae sunt in mundo si quis dilexerit mundum | non est caritas patris in illo quia omnia quae sunt in | mundo desiderium carnis est et desiderium oculorum | et ambitio seculi quae non est ex patre sed ex mundo est ex)

Figure 2. Sample of Augustinian text from Thompson 1912 the MEDIEVAL QUESTION MARK (in *df erif?*) though in the transcription the QUESTION MARK has been used (as *deus eris?*).

echaurire n bonif opib; agere ne obruanc peccaca: gemendo ieiunando touendo ignof cendo: Iter auce huius seti molesti e: plenu e temprationib; Inreb; pspis ne gecollat in

sed diu intrando | & non exhauriendo mergit nauem. Quid est autem | exhaurire . nisi bonis operibus agere . ne obruant | peccata . gemendo . ieiunando . tribuendo . ignos- | cendo . Jer autem huius seculi molestum est . plenum | est temptationibus. In rebus prosperis ne extollat

hold but by seeping in for a long time and not draining away it sinks the ship. What is to drain if not to do good works. lest sins serwhelm us by sighing fasting giving forgiving be way of this world is irksome it is filled with temptations. Let it not raise up in prosperous

Figure 3. Sample from Parkes 1993: showing the MEDIEVAL QUESTION MARK with an angular font glyph though the manuscript glyph is less angular.

diciti: Lud h ubi de bonop parce suplated her murabilitat. nusta è causa est spandi metione. Tri ne aimo grabescat. i mora mune omib regni local. I po unuere pure desideple 5 .;

Quid si uberius de bonorum parte sumpsis (/) Quid si tota a te non discessi / Quid si hec ipra | mei motavilitas , iusta tibi causa est sperandi | meliora / Tamen ne animo contabescas . et intra | commune omnibus regnum locates Proprio uiuere | iure desideres .;.

What if it trues out that you had a more generous share of good things. What if it turns out that I have not wholly cut myself off from you. What if it turns out that this you mutability of mine . gives you just cause for better hop .

Notwithstanding you eat you heart out . and situated within a realm common to all ou should desire to live according to a law of your own.

Figure 4. Sample from Parkes 1993:293, showing MEDIEVAL QUESTION MARK. In the Latin transcription the fourth one was left out after *locatus*.

Il nous faut maintenant compléter l'exposé de Barzizza en signalant ses principales omissions.

J'ai déjà noté l'absence du point d'exclamation (punctus admirativus); il était, il est vrai, d'introduction toute récente, puisque le plus ancien exemple actuellement connu figure dans un manuscrit copié peu avant sa mort (1406) par Coluccio Salutati qui en fut peut-être l'inventeur; ce signe se présentait ains:

Figure 5. Sample from Ouy 1987, showing MEDIEVAL EXCLAMATION MARK with its glyph variant! as opposed to the usual!

1	&punctexclam	F1E7	PUA-8	PUNCTUS EXCLAMATIVUS
Early for	m with two dots belo	w each other	and a diagonal s	stroke on top of them. Cf. Malcolm B. Parkes, Pause and Effect, Aldershot, 1992, p. 301.
ſ	&punctinter	F160	PUA-8	PUNCTUS INTERROGATIVUS

Figure 6. Listing of the MEDIEVAL EXCLAMATION MARK and the MEDIEVAL QUESTION MARK from the Medieval Unicode Font Initiative specification version 3.0 (2009-07-05). Here the Latin names are used.

ul evarationis autamis mouthra probibere ! Buo ternet et alios mevicos obtetto et rogo refionette michi preat qui pito fibi unte permista mevicaminum multiatto mili quia ne faits que magis proprie proteste possible o qui unb activat multa ofinas pricere que in unius un tute nequeas repermis o qui multicipine argui. O nio responzebitis cum mevicamina una re calipis in frigata tremas veconaries in containa comutant ! Honne sans prett uos non uti scientia seo pous consectum se tuta prognostia nei

... Ego temet et lalios medicos / obtesto et rogo / respondete michi precor. quid | sibi uult permixta medicaminum multitudo / nisi quiz ne-|scitis / quod magis proprie prodesse posst. e quoniam uobis occurrat/| multa quande que perficere | quod in unius uirtute nequeas repe-|rite. e sed quid multitudinem arguo. Quid respondebitis/ | cum medicamina uestra de calidis in frigida/ et denique de contra|riis in contraria commutatis. Vonne satis patet/ uos non | uti scientia / sed potius coniectura. It ut ad prognostica ueni-

Learnestly entreat you and other doctors/ please reply to ne. What's the purpose of this scrambled multitude of medicines but that you are ignorant/ of what is most specifically efficacious. and that you find/ that many medicines often achieve/ what you cannot hit upon in the properties of ore. But why should I assail your large numbers. What will you reply/ when you alter your treatment from hot to cold/ and from one thing to its opposite. In't it sufficiently close/ that you employ not knowledge but rather conjecture. Now

Figure 7. Example from Parkes 1993, showing MEDIEVAL EXCLAMATION MARK and MEDIEVAL QUESTION MARK. Although the scan is not very clear, there are definitely two dots on the !.

(iv) . . also used as a marginal sign by Richard de Bury to denote a passage containing a word illegible to him in the manuscript he was using.

? the mark of interrogation is usually a variant of?.
! the mark of exclamation is said to be o or o or a colon, either above the first word or at the end of the sentence.

Figure 8. Discussion of the use of the single point in Denholm-Young 1964:78, followed by a discussion of the MEDIEVAL QUESTION MARK alongside the modern QUESTION MARK. For the shape of the marks used for exclamation described there (which is not the ! proposed here), see Figure 10 below.

sign. In a question composed of several clauses the best scribes show a distinct tendency to place the sign over two points at the conclusion of the sentence, and over one point at intermediary pauses, e.g. Et si casu, übi prouidentia si iudicio, übi iustitia dei (Monte Cassino 284); quis nouit sensum domini aut quis consiliarius eius fuit (Vatic. lat. 1202).

Figure 9. Sample from Loew 1914:246 discussing the MEDIEVAL QUESTION MARK. Of interest is the fact that after this mark was used internally within a sentence after a clause, and also finally where it was followed by a FULL STOP (?., kerned as ?.). Note too the 2-shaped diacritic used at the beginning of the sentence clauses (over *ubi* and *quis*); this is analogous to the Armenian question mark, which goes over a stressed vowel. The usage here of both the combining 2-shaped mark and the MEDIEVAL QUESTION MARK (analogous to Spanish ¿?) is confined to the south Italian minuscule known as the Beneventan script; how the 2-shaped mark should be encoded requires further study. (If we had combining European digits as we do for Devanagari and Grantha, I would just use that. I would not use U+1DE2 COMBINING LATIN SMALL LETTER R ROTUNDA because that would likely clash with other uses of that character in medieval texts. See L2/11-375 (2011-10-15), which should have been accepted.)

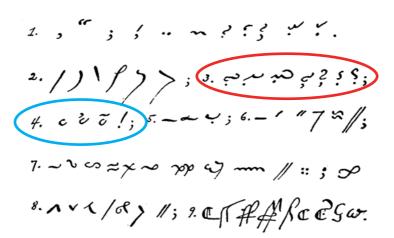
Exclamation Marks

There is no consistent and uniform method for marking an exclamation. In MSS. of the developed period we find an oblique hook (\checkmark), or the mere oblique line, over o, but this is probably nothing more than the ordinary acute accent used over other stressed syllables and especially over monosyllabic words. The dot which is found in the middle of the o is not confined to exclamatory o. In glosses we find o with the acute accent placed over words in the vocative case, e. g.

Incipe parue puer risu cognoscere matrem.

The sign which is commonly used to mark interrogative sentences is occasionally placed over proper names in the vocative case to call attention to the intonation proper to direct address. But this sign is not a conventional exclamation mark like our own, but an inflexion sign indicating a certain rise and fall of the voice.²

Figure 10. Sample from Loew 1914:235, discussing the Beneventan exclamation marks, o, ō, and ó, which are different from the MEDIEVAL EXCLAMATION MARK proposed here.



The question mark was rather late in coming in; it found currency very slowly, probably because the order of the words sufficiently denoted the interrogatory character of the sentence. That is probably why most penmen were content to indicate the completion of the interrogative sentence with a comma, a period, a colon, or the virgule. The rather frequent use of the question mark in exclamatory sentences, both in manuscripts and in printed books, was probably due to the fact that so many questions partake of the character of exclamations. In shape the early question mark, often found within a sentence, was very much like an inverted semicolon, the dot being replaced

by a comma; many penmen, especially in France, made it almost horizontal (No. 3). Even those penmen who were acquainted with and made use of the question mark often preferred to use the virgule.

Exclamation marks seem to have found favor even later and more slowly than question marks. Their use was for a long time as lawless as that of the other new punctuation marks; though they seem never to have been used for other points, almost any other point could be used as a substitute for them. One of the most curious places for a colon was above the first word of an exclamation. Monsieur Chassant informs us, in his Paléographie des chartes, that in French documents from the eleventh century to the seventeenth the exclamation mark took any of the forms shown in No. 4.

Figure 11. Sample and discussion of Elizabethan punctuation marks Tannenbaum 1931:141, 143-144. Item 3 shows the MEDIEVAL QUESTION MARK, item 4 shows three Beneventan-style exclamation marks (see Figure 10 above) and then one MEDIEVAL EXCLAMATION MARK.

Punctuation is a complicated and much debated matter, connected as it is with such different subjects as grammar, prosody, rhetoric, liturgical practice and music, and because it is immediately concerned with the sense of the text.⁶ Only its most elementary features can be dealt with here. Modern punctuation is of a syntactical nature, that is, it indicates the grammatical structure of the text. Medieval punctuation had partly the same function, but was to a great extent rhetorical, in other words it underscored the structure of the text (its rhetorical units) as it was read aloud. It not only marked the pauses the reader had to observe while pronouncing the written text and their length, but also the pitch. This is clearly visible in the question-mark (punctus interrogativus), of general use in the period studied in the present book, which has its origin in a neume or sign of musical notation, which indicated that the voice had to rise at the end of the sentence (11).

Ancient punctuation theory distinguished three signs for three different pauses: *comma*, for the short pause; *colon*, for the medial pause; and *periodus* for the final pause (which can be replaced by the question-mark). In the so-called Cistercian punctuation system a second sign for a medial pause was added, the *punctus flexus*, which has approximately the shape of figure 7 (12) and was used mainly in Bibles and liturgical books by the scribes of that order, by the Carthusians, Dominicans and the Augustinian Canons of the Windesheim Congregation (pls. 33, 45, 57, 95).

In the late Middle Ages the set of three (or four) punctuation signs recommended by the grammatical treatises is rarely found in Latin manuscripts. Most scribes kept to one or two signs in addition to the question-mark. The point on the baseline, or slightly above it (*punctus*), was frequently used as a sign for all pauses. More sophisticated punctuation normally provided two pauses: *punctus*, which was used for the final pause (where it is followed by a majuscule) and for a short pause; and the 'tick-and-point' (inverted semi-colon) or *punctus elevatus* (13), which likewise indicated a short pause. The final point often took the shape of a semicolon (*punctus versus*). In the fourteenth and fifteenth centuries the points were often replaced by slanting hair-line strokes (*virgulae suspensivae* (pls. 68, 71, 139)). The exclamation-mark (*punctus exclamativus*) appeared in the second half of the fourteenth century but was of extremely limited use.⁷

One finds in general a great deal of freedom and inconsistency in the punctuation of later medieval manuscripts especially. Although its importance for understanding the sense of a given text should not be underestimated, the reproduction of medieval punctuation in a modern transcription can render the reading of the text cumbersome and we would generally not



⁶ Bischoff, *Palaeography*, pp. 169–71; more bibliography is given in Boyle, *Medieval Latin Palaeography*, pp. 265–6; P. Rafti, 'L'interpunzione nel libro manoscritto. Mezzo secolo di studi', *Scrittura e Civiltà*, 12 (1988), pp. 239–98. See also *Grafia e interpunzione del latino nel Medioevo. Seminario internazionale, Roma, 1984*, ed. A. Maierù, Rome 1987 (Lessico Intellettuale Europeo, 41) and especially the fundamental work by M. B. Parkes, *Pause and Effect: An Introduction to the History of Punctuation in the West*, Cambridge 1992.

Figure 12. Discussion of punctuation in Derolez 2003:185. № 11 is the MEDIEVAL QUESTION MARK; № 12 is the *punctus flexus* (not yet encoded) and № 13 is the PUNCTUS ELEVATUS. Derolez's reference to the *punctus exclamativus* in his footnote 7 points to Parkes 1993, and Figure 7 above shows the *punctus exclamativus* from Parkes' Plate 30.

⁷ See examples in Parkes, *Pause and Effect* (see n. 6), pls. 30–9.

The defense of the answere Idolatrous 150

facrificers mongers.

and Masse-haue suffered punishment for their sinne, and haue received due rewarde for the wickednesse which they committed: what revengement shall afterward hang over their soules, if they have committed no other fault, if there is no other sinne, which may condemne them, but onely have committed this fact, and for the same have received the punishment due by the lave : The Lord will not punishe one thing twile, for they have received the rewarde for their finne, and the paine for their offence is finished. And for this cause is not this kind of commaundement cruell(as the heretikes affirme, accusing the lawe of God, and denying that there is any kinde of humanitie in it) but it is full of mercie: bycause hereby the people should rather be purged from their sinnes, than condemned. But nowe there is no punishment layd vpon the body, nor any purging of sinne, through corporall punishment, but through repentance, which if a man doe worthily worke, to that he may feme worthie to have the punishment withdrawne, he maye finde forgivenesse. But howforure this and Owere of Cyrill, may in some points minister occasion of quarrelling to suche as be dis poled, pet this is evident, that the quantitic of linne & the heynoulnelle of it, is not to be esterned according to the corporall and externall punishmente, but according to the commannoement of God, to the which it is repugnant, and according to the threates nings of Coo in the scriptures pronouced against the same, so, we see that lesser faults are by man punified with greater forments, even according to the fate of every cous try. And this finelleth not one white of the Manichees herefic, but the cleane contrarie. Peither doe I make this difference betwirt the leueritie of the law, and les nitie of the Golpell, in any other respect, than of tempozall punishment appoyed ted in the lawe.

rie,13.

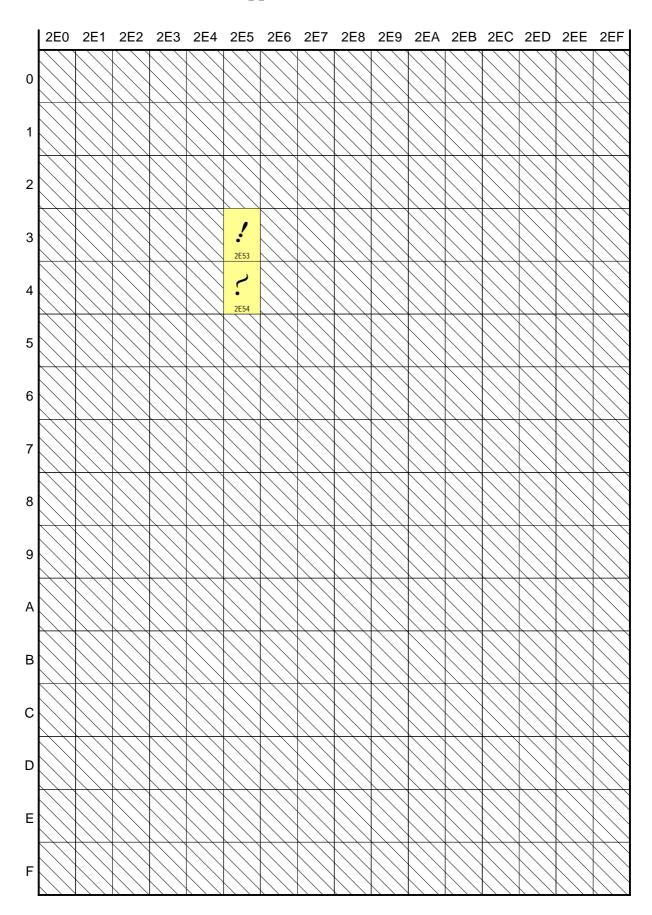
Luther.

The true mea 23 The place of Zacharie both not make for your purpole, except you will give to the ming of sacha- parents poliver of life and deathe over their connes and daughters, and give livertie for one private man to kill another. The prophet in that place declareth what scale that be in the people against false prophets, a how much they shall preferre the true Religion of Goo before their owne naturall affection, and rather for lake their chiloze rea hate them, and kill them, than by their meanes, they thould be withozatwie from Goo: this is the true meaning of that place. If you will referre it to the time of the Gospell. But if you will apply it to the Araelites to whom this prophet now preas theth & prophecieth, then both he beclare buto them what seale and feruencie Ded requireth in them, if they truely repent them of their former Ivolatrie: euch that they thall not spare their owns children, but deale with them according to the law Deu. 13. ber. 6. fc. M. Luther expounding this place and referring it to the time of the Golpell faith thus: Et est bec fententie summa. &c. The sume hereof is, that Christians shall reteine, &c defend true and pure doctrine, without respect of any person, whether it be his kinsman, or friend, for it is necessarie that there shoulde be false doctrine, and heresies, that the truth might be tryed, but yet they shall not have the vpper hande, or prevaile. And interpreting there wooden his father and his mother that begat him shall thrust him through when he prophelieth) he laith, idest, non ferreis aut areis armis & gladys pfum conficient, fed berbo Dei. erit enim spirituale & suaue certamen, quale est parentum cum suis liberis, suut & diuus Paulus Corinthios confodit, or ipforum errores verbo Dei reprebendit. That is to lay, they shall destroy hym not with Iron or brasen armour and weapons, but with the worde of God : for the strife shall be spirituall and pleasant, suche as is betweene parentes and their Children, lyke as Saynt Paule dothe pearce throughe the Corinthians, and reprehendeth their errors by the word of God.

The bloudy affertion of

But would you in bede conclude of thes place, that those whyels have taughte falle bostrone multe of necessitie be put to deathe, thoughe they reperte ? rea that their owne parentes and friendes muste kill them, or cause them to be kylled, and not rather receive them willingly, if they will converte, and embrace them most e loyful ly to booubtedly, the Prophete bathe no fuche meaning : neyther have you anne cre ample of suche extremitie committed by a true Christian towardes a repentant I. volater, from the nativitie of Christe buto thus houre: nepther is there ange thong in the whole news Aestamente, whereby anye suche facts can be war. ranted. And howefocuer thes place maye make, for the severe punishing of stub-

Figure 13. Example from Parkes 1993 (Plate 37) showing the MEDIEVAL QUESTION MARK in Antiqua and Blackletter typefaces. The text is by John Whitgift, The defense of the answere of the admonition against the reply by T[homas] C[artwright] (London, H. Bynneman for H. Toye, 1574).



Printed: 10-Nov-2020

Medieval punctuation

- 2E53 / MEDIEVAL EXCLAMATION MARK
 - punctus exclamativus
 - \rightarrow 0021! exclamation mark
- 2E54 : MEDIEVAL QUESTION MARK
 - punctus interrogativus
 - \rightarrow 003F? question mark

A. Administrative

1. Title

Proposal to add two mediaeval punctuation characters to the UCS

2. Requester's name

Michael Everson

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

Individual contribution.

4. Submission date

2020-11-10

- 5. Requester's reference (if applicable)
- 6. Choose one of the following:
- 6a. This is a complete proposal

Yes.

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

Yes

1d. Name of the existing block

Supplementary Punctuation

2. Number of characters in proposal

2.

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 B.1.

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, Fontographer.

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.

See above.

C. Technical – Justification

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

Yes, some of the characters have. See N3193.

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?

The authors are members of the user community.

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?

Medievalists, Latinists, and other scholars.

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

Used historically and in modern editions.

4b. Reference

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

Yes.

5b. If YES, where?

Scholarly publications.

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

Ves

6b. If YES, is a rationale provided?

Yes.

6c. If YES, reference

Accordance with the Roadmap. Keep with other punctuation characters.

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

Nο.

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?

Yes.

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

Yes.

10c. If YES, reference

Some characters are ancestors of modern characters.

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?

Nο

11e. If YES, reference

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

No.

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?