L2/11-364

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 encode a Low One Dot Leader in the UCS

Source: Abteilung für Griechische und Lateinische Philologie der Ludwig-Maximilians-

Universität Müchen (Department of Greek and Latin Philology, Ludwig-

Maximilians-University of Munich, Germany)

Authors: Martin Schrage, Karl Pentzlin

Status: Expert Contribution

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

Date: 2011-10-17

1. Introduction

Several critical editions of papyri written in classical Greek use a "low dot" (i.e. a dot which is placed below the baseline) as a placeholder for a character unreadable in the original source. It is used in editions which present the text using modern punctuation, especially the full stop. Therefore, it is a different character which is visually distinguished from the full stop by its vertical placement.

The character, being a placeholder by its nature, shows more side bearings (lateral whitespace) than ordinary punctuation marks like the full stop. Showing this behavior, it is comparable to U+2024 ONE DOT LEADER. Therefore, its name is selected after that character.

Note that the examples are from works edited at considerably different times (1965 resp. 2009).

The character is needed to cite such editions correctly and unambiguously in scientific work.

2. Encoding Considerations

The low dot is proposed as a punctuation mark, following the classification of U+2024 ONE DOT LEADER.

This also has the advantage that the character is placed in the charts near the visually related U+2E33 RAISED DOT (in fact, its vertical positioning is approximately symmetrical to that character in relation to the baseline).

3. Proposed Character

Block: Supplemental Punctuation (2E00-2E7F)

Papyrological Symbol

- U+2E43 LOW ONE DOT LEADER
 - → 0323 combining dot below
 - → 2024 one dot leader
 - · indicates a character not readable in the source
 - · glyph position is below the baseline
 - usually has more side bearings than a full stop

Properties:

U+2E43 LOW ONE DOT LEADER; Po; 0; ON; ; ; ; ; N; ; ; ;

Proposal to encode a Low Dot in the UCS 2011-10-17

Page 1 of 4

4. References

- [1] Pfeiffer, Rudolf: Callimachus, vol. I: fragmenta. Oxford 1949 (corrected reprint 1965)
- [2] The Egypt Exploration Society: The Oxyrhynchus Papyri, vol. LXXIII London 2009, ISBN 978 0 85698 182 1

5. Examples and Figures

For all figures:

Marked red: LOW ONE DOT LEADER.

Marked green: U+002E FULL STOP, showing the contrastive use.

Fig. 1: From [1], p.224..

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LYRICA, Fr. 229 6-13

]οδ.κ[.]υςλ.[.]θιν όμαρτεῖν ἐτ[εὸ]ν γάρ ἐστιν
]σοι πατρόθεν τῶν ἀπὸ Δαίτε[ω], τὸ δὲ πρὸς τεκούσης
].Λαπίθην α[...].δ...κειομ.[.] εὐγένει[ο]ν.
]το[...]δ' ἔφ.[...]υδ...ιδω...ἀνέπαλτ[ο θ]υμός:
]οι τέμ[ε]ν[ο]ς [κα]λὸν ἐν ὕλη, τόθι πρῶτον ὤφθης,
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Fig. 2: from [2], p.153.

25 τὸ προκείμενον ε () ε [ν καὶ μενεῖ μοι ἡ γεωργία επὶ μόνοις τοῖς τὸ διελθ(ὸν) ι (ἔτος) τελεςθεῖςι τελέςμαςι.

Fig. 3: from [2], p.66, showing use in the critical apparatus.

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Fr. 1 col. i

2 ], vertical trace
[, prob. c 3 \tau: right end of horizontal or descending stroke, suggesting \lambda, \epsilon or \lambda

\pi corrected from \epsilon by overwriting, probably scribendo

4 H, M, or \pi, or possibly 1 or N

5 \nu: \theta, \theta, or \omega
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ISO/IEC JTC 1/SC 2/WG 2 PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 106461

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

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

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

1. Title: Proposal to encode a Low Dot in the UCS 2. Requester type (Member body/Liaison/Individual contribution): Expert Contribution 3. Requester type (Member body/Liaison/Individual contribution): 2011-10-17 5. Requester's reference (if applicable): 2011-10-17 6. Choose one of the following: 2011-10-17 7. Shoose one of the following: Yes (or) More information will be provided later: Yes (or) More information will be provided later: Yes (or) More information will be provided later: No. This is a complete proposal: Yes (or) More information will be provided later: No. The proposal is for a new script (set of characters): No. The proposal is for a delition of character(s) to an existing block: Yes Name of the existing block: Yes Name of the existing block: Yes Name of the activation of characters in proposal: Short of Character in Character i	See also http://www.dkuug.dk/JTC1/SC2/WG2/docs/roadmaps.html for latest Roadmap	S.	
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related information. See the Unicode standard at http://www.unicode.org for such information on other scripts. Also	related information. See the Unicode standard at http://www.unicode.org for such information on a		
see http://www.unicode.org/Public/UNIDATA/UCD.html and associated Unicode Technical Reports for information			

needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.

Proposal to encode a Low Dot in the UCS 2011-10-17

¹ Form number: N3702-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)

C. Technical - Justification

Has this proposal for addition of character(s) been submitted before?	No	
If YES explain		
2. 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	
If YES, with whom? One of the authors (M. S.) is a member of the scientific con	nmunity himselt	
3. Information on the user community for the proposed characters (for example:		
size, demographics, information technology use, or publishing use) is included?	Yes	
Reference: See text 4. The context of use for the proposed characters (type of use; common or rare)		
4. The context of use for the proposed characters (type of use; common or rare)	Common	
	scientific	
Reference: See text		
5. Are the proposed characters in current use by the user community?	Yes	
If YES, where? Reference: See text 6. After giving due considerations to the principles in the P&P document must the proposed characteristics.		
	ters be entirely	
in the BMP?	Yes	
If YES, is a rationale provided?	Yes	
If YES, reference: To keep them in line with related characters		
7. Should the proposed characters be kept together in a contiguous range (rather than being scatte	ered)?	
8. Can any of the proposed characters be considered a presentation form of an existing		
character or character sequence?	No	
If YES, is a rationale for its inclusion provided?		
If YES, reference:		
9. Can any of the proposed characters be encoded using a composed character sequence of eithe		
existing characters or other proposed characters?	No	
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 an existing character?	No	
If YES, is a rationale for its inclusion provided?		
If YES, reference:		
11. Does the proposal include use of combining characters and/or use of composite sequences?	No	
If YES, is a rationale for such use provided?		
If YES, reference:		
Is a list of composite sequences and their corresponding glyph images (graphic symbols) pro	vided?	
If YES, reference:		
12. Does the proposal contain characters with any special properties such as		
control function or similar semantics?	No	
If YES, describe in detail (include attachment if necessary)		
13. Does the proposal contain any Ideographic compatibility character(s)?	No	
If YES, is the equivalent corresponding unified ideographic character(s) identified?		
If YES, reference:		