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 modifier letter used in French abbreviations in the UCS
Source: Karl Pentzlin
Status: Individual Contribution
Action: For consideration by JTC1/SC2/WG2 and UTC
Date: 2010-07-13

q   U+A7F7   MODIFIER LETTER SMALL Q

                            ≈   <super> 0071 q

Properties:

```
A7F7;MODIFIER LETTER SMALL Q;Lm;0;L;<super> 0071;;;;N;;;;;
```

Rationale

French abbreviations of single words often are done by showing the last letter, phoneme, or syllable of the word as superscript, instead of showing an abbreviation dot or similar.
As abbreviations of this kind are plain text, the abbreviation method being a fixed convention like the use of punctuation marks, it is desirable to have the possibility to use modifier letters in this case, rather than to have to rely on markup or higher level protocols.

Of the basic Latin alphabet (a-z), all necessary letters are already encoded, except the q.

However, the q is also used, as the following photos of signposts in Paris (taken 2010-07-11/12) show (the abbreviation Biblio^{que} stands for Bibliothéque; the lower pictures are enlarged details):

Having the MODIFIER SMALL LETTER Q encoded, the complete table of the encoded superscript variants of the lowercase basic Latin letters a-z is:

```
a:  U+1D43 MODIFIER LETTER SMALL A
b:  U+1D47 MODIFIER LETTER SMALL B
c:  U+1D9C MODIFIER LETTER SMALL C
d:  U+1D48 MODIFIER LETTER SMALL D
e:  U+1D49 MODIFIER LETTER SMALL E
f:  U+1DA0 MODIFIER LETTER SMALL F
g:  U+1D4D MODIFIER LETTER SMALL G
h:  U+02B0 MODIFIER LETTER SMALL H
i:  U+2071 SUPERSCRIPT LATIN SMALL LETTER I
j:  U+02B2 MODIFIER LETTER SMALL J
k:  U+1D4F MODIFIER LETTER SMALL K
l:  U+02E1 MODIFIER LETTER SMALL L
m:  U+1D50 MODIFIER LETTER SMALL M
n:  U+207F SUPERSCRIPT LATIN SMALL LETTER N
o:  U+1D52 MODIFIER LETTER SMALL O
p:  U+1D56 MODIFIER LETTER SMALL P
q:  U+A7F7 MODIFIER LETTER SMALL Q  # this is the character proposed here
r:  U+02B3 MODIFIER LETTER SMALL R
s:  U+02E2 MODIFIER LETTER SMALL S
t:  U+1D57 MODIFIER LETTER SMALL T
u:  U+1D58 MODIFIER LETTER SMALL U
v:  U+1D5B MODIFIER LETTER SMALL V
w:  U+02B7 MODIFIER LETTER SMALL W
x:  U+02E3 MODIFIER LETTER SMALL X
y:  U+02B8 MODIFIER LETTER SMALL Y
z:  U+1DBB MODIFIER LETTER SMALL Z
```

<table>
<tr><td colspan="2" align="center">

ISO/IEC JTC 1/SC 2/WG 2
PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS
FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 10646[1]
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.
See also http://www.dkuug.dk/JTC1/SC2/WG2/docs/roadmaps.html **for latest _Roadmaps_.**

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A. Administrative

1. **Title:**	*Proposal to encode a modifier letter used in French abbreviations in the UCS*
2. Requester's name:	*Karl Pentzlin*
3. Requester type (Member body/Liaison/Individual contribution):	*Individual contribution*
4. Submission date:	*2010-07-13*
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 characters):   *No*
        Proposed name of script:
    b. The proposal is for addition of character(s) to an existing block: *Yes*
        Name of the existing block: *Latin Extended-D*
2. Number of characters in proposal: *1*
3. Proposed category (select one from below - see section 2.2 of P&P document):
A-Contemporary   **X**   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
4. Is a repertoire including character names provided?   *Yes*
    a. If YES, are the names in accordance with the "character naming guidelines"
        in Annex L of P&P document?   *Yes*
    b. Are the character shapes attached in a legible form suitable for review?   *Yes*
5. Fonts related:
    a. Who will provide the appropriate computerized font to the Project Editor of 10646 for publishing the
    standard?
        Not necessary; glyph is a straightforward modification (superscripting) of an existing character
    b. Identify the party granting a license for use of the font by the editors (include address, e-mail, ftp-site, etc.):

6. References:
    a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?   *Yes*
    b. Are published examples of use (such as samples from newspapers, magazines, or other sources)
    of proposed characters attached?   *Yes*
7. Special encoding issues:
    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)?   *No*

8. Additional Information:
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 for such information on other scripts. Also 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.

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[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

1. 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.)?   *No*
        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?   *Yes*
    Reference: *see text*
4. The context of use for the proposed characters (type of use; common or rare)   *common*
    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 characters be entirely
    in the BMP?   *Yes*
        If YES, is a rationale provided?   *Yes*
        If YES, reference: *to keep it in line with similar characters*
7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?   *N/A*
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 either
    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) provided?
        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: