Title: Proposal to Encode the SIYAQ NUMBER MARK for Arabic
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Status: Expert contribution
Action: For consideration by UTC
Date: 2015-02-03

1 Introduction

This is a proposal to encode a new character in the ‘Arabic’ block of the Unicode standard:

<table>
<thead>
<tr>
<th>Glyph</th>
<th>Code</th>
<th>Character name</th>
</tr>
</thead>
<tbody>
<tr>
<td>٠</td>
<td>061D</td>
<td>ARABIC SIYAQ NUMBER MARK</td>
</tr>
</tbody>
</table>

2 Description

In some Siyaq traditions, the supertending mark ـ is written above numbers in order to indicate that they belong to a set (see figure 1). This mark is an abbreviation of the Arabic word السياق siyāq consisting of the initial form of س ـ +0633 ARABIC LETTER SEEN followed by ـ U+0640 ARABIC TATWEEL. The sign extends the entire width of the numerical sequence. In code charts, the character is to be represented using the glyph ٠ in order to specify that it requires special rendering behavior. It is used in encoded text as follows:

<٠ ARABIC SIYAQ NUMBER MARK, ٠ OTTOMAN SIYAQ NUMBER SEVEN HUNDRED, ٠ OTTOMAN SIYAQ NUMBER ONE, ٠ OTTOMAN SIYAQ NUMBER FORTY, . U+002E FULL STOP>

The ARABIC SIYAQ NUMBER MARK may be used with all four Siyaq blocks.

3 Character Data

Character properties In the format of UnicodeData.txt:
061D;ARABIC SIYAQ NUMBER MARK;Cf;0;AN;;N;;;;;

Linebreaking properties In the format of LineBreak.txt:
061D;AL # Cf ARABIC SIYAQ NUMBER MARK

Arabic shaping properties In the format of ArabicShaping.txt:
061D; ARABIC SIYAQ NUMBER MARK; U; No_Joining_Group
4 References


5 Acknowledgments

I am grateful to Roozbeh Pournader for his detailed comments regarding the encoding of the four Siyaq blocks.

This project was made possible in part through a Google Research Award, granted to Deborah Anderson for the Script Encoding Initiative. Any views, findings, conclusions or recommendations expressed in this publication do not necessarily reflect those of Google.

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desquels nous répétons les valeurs en chiffres arabes. Le ـ (s), dont le trait se prolonge au-dessus des signes numériques, est l’abrégéation du mot arabe سُيَاقـ syāq :

\[\text{سُيَاقـ 41} \]

Ce nombre représente effectivement, mais en abrégé, et en sous-entendant la conjonction ـ، nécessaire entre les diverses quantités exprimées en arabe :

ـ السَّبُوعِـیِـت ـ وَدَهَد ـ وَارِبَّ‌یِن (six cents et un et quarante).

En turc, il se lit : ـ تُبَ وَجَرُق بِیِرُ.

En résumé, les chiffres syāq, dont les fonctionnaires turcs font tant de mystère, ne sauraient embarrasser longtemps qui-conque s’ait un peu d’arabe ; et les explications que nous avons données plus haut suffisent pour faire lire sans difficulté les nombres suivants, soit en arabe, soit en turc :

\[\text{1,668,875} \quad 4,665,890 \]

\[\text{3,477,390} \quad 5,463,346 \]

Figure 1: Usage of the Siyaq number sign (from Pihan 1860: 237).
Addendum to Acknowledgments

This project was made possible in part through a Google Research Award, granted to Deborah Anderson for the Script Encoding Initiative, and a grant from the United States National Endowment for the Humanities (PR-50205-15), which funds the Universal Scripts Project (part of the Script Encoding Initiative at the University of California, Berkeley). Any views, findings, conclusions or recommendations expressed in this publication do not necessarily reflect those of Google or the National Endowment for the Humanities.