



Assoc Prof. Khaled Bakro
Ph.D Computer Engineering,
Artificial Intelligence, (DIP)(NLP)Arabic Language Processing,
Faculty of Information Technology
Istanbul Branch
Turkey
Tel: +902124515109
Cel: +905366916963
Email: Khaled.Bakro@aul.edu.lb
Email: Dr.Khaled.Bakro@gmail.com
URL: www.aul.edu.lb

To: Unicode Organization

Re: Application by Mr. Mohammad M. Khair for addition of two new characters to the Unicode table of Arabic 0600

I would like to express support and confirmation for the immense need to add the following two characters to the Arabic 0600 Unicode Character Set table as requested by Mr. Mohammad Khair in his application for the following two symbols:

- 1) ﺕ
- 2) ﺕ

These two symbols are very commonly used in the Islamic holy text of Quran throughout its verses. Each of these two symbols counts as a single letter in Arabic and should be represented in the Quran text as a single letter, and therefore there is an critical need to make symbols an indivisible part of the Arabic 0600 block so that they can be typed in as a single letter representation. Until today, users have had to type these two single letters symbols in Unicode by placing in sequence multiple symbols to make up the figure of these single letter representations such as using three symbols x0640 x0654 x0627 for the first letter and x0640 x0654 for the second letter, however, these are single letters and require their own single symbol in the Unicode 0600 Arabic block. We propose using any currently available Unicode symbol values in the table Arabic 0600 such as 061D, and/or freeing up and using the Unicode values 0607 or 0606 for symbols representing square root shapes as they do not represent any Arabic letters but are actually mathematical symbols and therefore do not belong to this table of Arabic 0600. This leads to numerous issues when performing essential base letter count of the holy text of the Quran, and makes computing a numeric count and other statistics on the Quran text either too complex or erroneous due to the lack of proper representation of each single letter by a single symbol in the text using the Unicode table of characters. The addition of these two symbols will greatly facilitate the Quran statistical and numeric counting of letters and other computations which are a subject of an emerging field of numeric science on the Quran holy text using modern computer information technology.

The Quran text is the most published book in the world, therefore having sufficient symbols in Arabic Unicode table 0600 to adequately represent its essential base letters using one Unicode symbol per one letter symbol uniquely is of critical importance to enable the proper typing of its text representation, and its proper letter counting. We request the kind addition of the requested two symbols described above and in the application submitted. Please forward any questions or inquiries to the following email:

Thank you,

Assoc. Prof. Dr. Khaled Bakro
Dean of the Faculty of Science and Information Technology
Director of Istanbul Branch

