L2/08-247

## **Font Issues:**

Every character in Unicode has some properties like General Category, BiDi Class Value, and Combining Class Value etc. Like,

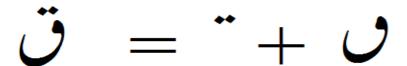
Arabic letter Beh, Unicode 0628, has General category of Lo (Letter, others), BiDi Class Value of AL (Right-to-Left Arabic) and Combining Class Value of 0 (Spacing, split, enclosing, reordrant, and Tibetan subjoined).

Arabic letter Fatahtan, Unicode 064B, has General category of Mn (Mark, Non Spacing), BiDi Class Value of NSM (Non Spacing Mark) and Combining Class Value of 27.

Like these characters we want to know such properties of Nuqtas Characters in 08 Block which are

- 0880 ARABIC SINGLE NUQTA ABOVE
- 0881 ARABIC SINGLE NUQTA BELOW
- 0882 ARABIC DOUBLE NUQTA ABOVE
- 0883 ARABIC DOUBLE NUQTA BELOW
- 0884 ARABIC TRIPLE NUQTA ABOVE
- 0885 ARABIC TRIPLE NUQTA BELOW
- 0886 ARABIC TRIPLE INVERTED NUOTA ABOVE
- 0887 ARABIC TRIPLE INVERTED NUQTA BELOW
- 0888 ARABIC QUADRUPLE NUQTA ABOVE
- 0889 ARABIC QUADRUPLE NUQTA BELOW
- 088B ARABIC DOUBLE DANDA BELOW
- 088C ARABIC DOUBLE NUOTA VERTICAL ABOVE
- 088D ARABIC DOUBLE NUQTA VERTICAL BELOW
- 0893 ARABIC SINGLE CIRCLE BELOW
- 0894 ARABIC TOTA ABOVE
- 0895 ARABIC TOTA BELOW

We are developing font with the combination of Ghost characters and Nuqtas. We have achieved successfully the combination of isolated Ghost character and Nuqta. i.e.



Now we are facing the problem of carriage return with the Nuqta character. These are spacing marks which are creating problem of not changing the shape of ghost character into initial, medial or terminal forms, when combine with the nuqtas. For this problem we need your help to give the proper properties of these nuqtas characters, so that our problem can be solved. We need nuqtas with properties which can be stored in database and which have the behavior like diacritics.

A new proposal for diacritics and nuqtas as follows: