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1. MVS - Model

Here I am trying to provide our Almas solution on Apple AAT glyph mapping engine.
I would like understand the Model define rules. I got the model


NOTE:
I = Initial, M = Medial, X = Mongolian Character (Medial or Final)
MS Universal Shaping Engine (USE) applies <fina> feature to $X$
MS Universal Shaping Engine (USE) applies <init> feature to \{U+1820-A | U+1821-E \}
Harfbuzz - Same as MS - USE
Apple ?
Others?

## My comment for STANDARD MVS MONGOLIAN MODEL:

1. Let me make clear about the note "MS Universal Shaping Engine (USE) applies <init> feature to $\{U+1820-\mathrm{A} \mid \mathrm{U}+1821-\mathrm{E}\}$ " is meaning that if $\{U+1820-\mathrm{A} \mid \mathrm{U}+1821-\mathrm{E}\}$ followed after MVS will applies <init> feature to $\{U+1820-A \mid U+1821-E\}$ and, the proceeding characters will take <init> glyph even if followed by Mongolian characters.
If the original meaning is same with what mentioned above, I agree this defination.
But currently, MB and Wc not act like this. For Example:
( $\mathrm{U}+182 \mathrm{~A} \mathrm{U}+1820 \mathrm{U}+1822 \mathrm{U}+1828$ MV U+1820 U+1820 ) - 0 TV. $1 \mathrm{~T} /$
it should be get the word
Omer, $\mathrm{h}^{\mathrm{W}}$ as my understanding of the note.

Comment for MONGOLIAN MVS-CONNECTED SEQUENCE document.

```
ZWNJ+1828+MVS+1820
                                ?` undefined
ZWJ+1828+MVS+1820
ZWNJ+1828+MVS+1821
ZWJ+1828+MVS+1821
```


## $\checkmark$.

? undefined
$\checkmark$,

1. Actually, the undefined shapes like $\mathrm{ZWNJ}+1828+\mathrm{MVS}+1820$ are not the correct Mongolian script itself and unreadable to Mongolian people. I would like to ask linguistic professionals to decide if it is ok or not to allow this kind of existence Mongolian text.
Currently, it is exist on most of the fonts listed in the Notes. I am Ok to either of them.
2. We should clearly define following case for MVS model to fit the irregular sequence.
1). How to handle the unnecessary MVS. For example

$$
\{\mathrm{I}+\mathrm{M}+1832-\mathrm{T}+\mathrm{MVS}+1820 \text { \} , ~ \ { ~ I ~ + ~ M ~ + ~ 1 8 2 A - T ~ + ~ V S ~ + ~ } 1 8 2 0 \text { \} etc. }}
$$

2). How to handle the FVS1, FVS2, FVS3 before MVS?
3). How to handle MVS coming to HEAD of the word?

