Universal Multiple-Octet Coded Character Set<br>International Organization for Standardization<br>Organisation Internationale de Normalisation<br>Международная организация по стандартизации

| Doc Type: | Working Group Document |
| :--- | :--- |
| Title: | Preliminary proposal to encode the Bagam script in the UCS |
| Source: | UC Berkeley Script Encoding Initiative (Universal Scripts Project) |
| Author: | Michael Everson |
| Status: | Liaison Contribution |
| Date: | $2012-07-24$ |

This proposal gives preliminary information towards the encoding of an African script related to Bamum, known as the Bagam or Eghap script. This script was first described in 1921 by British military officer Louis William Gordon Malcolm, but the details of his description were lost until rediscovered in 1999 by Konrad Tuchscherer.

The Bagam script is named for Bagam, a town in the Western Province of Cameroon, about 70 km west of Foumban, the centre of the Bamoum kingdom. It was used for the Mengaka language (also known as Ghap, Benzing, and Megaka), spoken by a people who call themselves the Eghap, but who are called Bagam by outsiders. One issue is whether the name of the script should be Bagam or Eghap.

The Bagam script shows some influences from the Bamum script, and was itself devised around 1910; the Bamum script was devised around 1896 by Sultan Njoya and his scribes.

Bagam script has not been completely deciphered. Only one manuscript, deposited by Malcolm in the Haddon Library of Cambridge University, is known. This material, however, published by Tuchscherer (1999), gives values for a significant percentage of the Bagam characters. As with Bamum, the script consists of both logographic and phonetic characters. Rovenchak (2009) suggests that the former are native to the script, and the latter borrowed from Bagam. Malcolm's informant in 1921 made the same observation. Identification of the characters is problematic because of evident transcription errors made by Malcolm, who was not a linguist. Further study and comparison with the modern Mengaka lexicon are required.

In the charts, the first set of characters given are the logograms. Then follows a short set of numbers (evidently similar in structure to the Bamum numbers), and finally the syllables. Each character is named with the catalogue number assigned in Rovenchak 2009 and 2011. The logograms and numbers are followed by their readings, which derive from Malcom's manuscript; in these, $\omega$ is written 00 and the apostrophe marking a glottal stop is represented by a hyphen. Since the decipherment of the script is incomplete, readings have only been given in informative notes in the syllables.

## Bibliography.

Malcolm, Louis William Gordon. 1921. "Short notes on the syllabic writing of the E $\gamma \overline{\mathrm{a}} \mathrm{p}$-Central Cameroons", in Journal of the Royal African Society 20, 78: 127-129 (with a prefatory note by H. H. Johnston)

Rovenchak, Andrij. 2009. "Towards the decipherment of the Bagam script", in Afrikanistik online 2009. http://www.afrikanistik-online.de/archiv/2009/1912/

Rovenchak, Andrij \& Jason Glavy. 2011. "Eghap script", in African Writing Systems of the Modern Age: The Sub-Saharan Region. New Haven, Buena Park, New Rochelle, London, Lviv, Abidjan: Athinkra. ISBN 978-0-9818294-1-8
Tuchscherer, Konrad. 1999. "The lost script of the Bagam", in African Affairs 98, 55-77.

Acknowledgements. This project was made possible in part by a grant from the U.S. National Endowment for the Humanities, which funded the which funded the Universal Scripts Project (part of the Script Encoding Initiative at UC Berkeley) in respect of the Bagam encoding Any views, findings, conclusions or recommendations expressed in this publication do not necessarily reflect those of the National Endowment for the Humanities.

|  | 1670 | 1671 | 1672 | 1673 | 1674 | 1675 | 1676 | 1677 | 1678 | 1679 | 167A |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0 | $16700$ | $\underset{16710}{\boldsymbol{母}}$ | $16720$ | $\mathfrak{j b}_{16730}$ | $\boldsymbol{F}$ | $\mathbf{Q}_{16750}$ | $\begin{gathered} 3 \\ 16760 \end{gathered}$ | $\boldsymbol{\beta}^{\boldsymbol{\beta}}$ | $16780$ | $\Psi$ | 167A0 |
| 1 | $\begin{gathered} N \\ 16701 \end{gathered}$ | $\begin{gathered} \boldsymbol{O} \\ 16711 \end{gathered}$ | $16721$ | $\underset{16731}{ }$ |  | $\boldsymbol{\gamma}$ | $\begin{gathered} \wedge \\ 16761 \end{gathered}$ | 市 |  | $16791$ | $\underset{167 \mathrm{~A} 1}{\boldsymbol{\nabla}}$ |
| 2 | $16702$ | $\underset{16712}{\ddagger}$ | $\underset{\mathcal{F}}{\boldsymbol{\mathcal { F }}}$ | $\underset{16732}{\boldsymbol{\aleph}}$ | $16742$ | $\begin{gathered} \cup \\ 16752 \end{gathered}$ | $\begin{gathered} \Pi \\ 16762 \end{gathered}$ | $\boldsymbol{\mathcal { f }}$ | $\underset{16782}{\boldsymbol{f}}$ | $\underline{\boldsymbol{v}}$ | $\mu_{167 \mathrm{~A} 2}$ |
| 3 | $\int^{\boldsymbol{P}}$ | $\square$ | $7$ | $\dot{\mathbf{i}}$ | $16743$ | $16753$ | $\begin{gathered} y \\ 16763 \end{gathered}$ | $\underset{16773}{ }$ | $\begin{gathered} \boldsymbol{X} \\ 16783 \end{gathered}$ | $\underset{16793}{S}$ | $\Delta$ 167A3 |
| 4 | $\overline{\mathfrak{\jmath}}$ | $\sqrt{16714}$ | $\sim_{16724}$ | $16734$ | $16744$ | $16754$ |  | $f$ | $\boldsymbol{N}_{16784}$ | $\boldsymbol{\delta}_{16794}$ | 167A4 |
| 5 | $16705$ | $\gamma^{n}$ $16715$ | $16725$ | $\underset{16735}{\boldsymbol{p}}$ | $\psi$ $16745$ | $\begin{gathered} 16755 \end{gathered}$ | $0 \times 1$ <br> 16765 | $\begin{gathered} n \\ 16775 \end{gathered}$ | $/_{16785}^{l}$ | $\gamma$ | $\sqrt{ } \mathbf{E}$ <br> 167A5 |
| 6 | $\boldsymbol{\wedge}$ | $\boldsymbol{P}_{16716}$ | $\boldsymbol{1}_{16726}^{0}$ | $16736$ | $\begin{gathered} \boldsymbol{O} \\ 16746 \end{gathered}$ | $\begin{array}{\|} 16756 \\ \hline \end{array}$ |  | 16776 | $16786$ | $\underset{16796}{\boldsymbol{N}}$ | $3$ <br> 167A6 |
| 7 | $\underset{16707}{\boldsymbol{\Delta}}$ | $16$ | $\boldsymbol{n}$ | N | $\begin{gathered} \mid 4 \\ 16747 \end{gathered}$ | $\sqrt{16757}$ |  | $16777$ | $\boldsymbol{Z A l}_{16787}$ | $\bigcap_{16797}$ | 167A7 |
| 8 | $16708$ | $\underset{16718}{\boldsymbol{\lambda}}$ | $\underset{16728}{\boldsymbol{p}}$ | $16738$ | $\begin{gathered} \Im \\ 16748 \\ \hline \end{gathered}$ | $\boldsymbol{j}$ | $\begin{gathered} \boldsymbol{9} \\ 16768 \end{gathered}$ | $\underset{16778}{\boldsymbol{Y}}$ | $\begin{gathered} 8 \\ 16788 \end{gathered}$ | $\underset{16798}{\boldsymbol{\delta}}$ | $\begin{aligned} & \mathbf{X} \\ & 167 \mathrm{~A} 8 \end{aligned}$ |
| 9 | $\underset{16709}{ }$ | $\underset{16719}{\boldsymbol{j}}$ | $\underbrace{\rho ?}_{16729}$ | $\underset{16739}{\boldsymbol{P}}$ | $\begin{gathered} 1 \\ 16749 \end{gathered}$ | $\underset{16759}{\mathcal{M}}$ | 又 <br> 16769 | $\begin{gathered} S \\ 16779 \end{gathered}$ | $\prod_{16789}^{\bullet}$ | $\begin{gathered} \boldsymbol{\alpha} \\ 16799 \end{gathered}$ | $\begin{gathered} 3 \\ 167 \mathrm{~A} 9 \end{gathered}$ |
| A | $\underset{1670 \mathrm{~A}}{\boldsymbol{\varphi}}$ | $y$ | 1672A | $\underset{1673 A}{ }$ | $\begin{gathered} \boldsymbol{y} \\ 1674 \mathrm{~A} \\ \hline \end{gathered}$ | $\begin{gathered} \text { O } \\ 1675 \mathrm{~A} \end{gathered}$ | $\underset{1676 \mathrm{~A}}{\boldsymbol{A}}$ | $\begin{gathered} P \\ 1677 \mathrm{~A} \\ \hline \end{gathered}$ | $\begin{gathered} \uparrow \\ 1678 \mathrm{~A} \\ \hline \end{gathered}$ | $3$ | er |
| B | 1670B | $\begin{aligned} & \text { 1671B } \end{aligned}$ | do <br> 1672B | $\underset{1673 B}{ }$ | $\underset{1674 B}{\text { J }}$ | $\underset{1675 B}{7}$ | $\underset{\text { 1676B }}{\boldsymbol{J}^{2}}$ | $\underset{1677 B}{p}$ | $\underline{p}$ | $x$ <br> 1679B | 耳8 <br> 167AB |
| C | $\Gamma_{1670 C}$ | $才$ 1671C | $1672 \mathrm{C}$ | $\bar{F}$ | $\underset{1674 C}{ }$ |  | $\begin{aligned} & \boldsymbol{Z} \\ & 1676 \mathrm{C} \end{aligned}$ | $\begin{gathered} \boldsymbol{\beta} \\ 1677 C \end{gathered}$ | $\mathfrak{b}$ | $\begin{gathered} \nleftarrow \\ 1679 C \end{gathered}$ |  |
| D | $\underset{1670 \mathrm{D}}{\boldsymbol{\varphi} \boldsymbol{\Psi}}$ | $\boldsymbol{\gamma}$ | 1672D | $\underbrace{}_{1673 D}$ | $\begin{gathered} \boldsymbol{\beta} \\ 1674 D \end{gathered}$ | $\begin{gathered} \boldsymbol{Y} \\ \text { 1675D } \end{gathered}$ | $\begin{gathered} \text { 2 } \\ 1676 \mathrm{D} \end{gathered}$ | $\boldsymbol{7}$ | 1678D |  |  |
| E | $\boldsymbol{H}_{1670}^{4}$ | $\boldsymbol{T}$ | $\underset{1672 E}{\sharp}$ | $\begin{gathered} \text { G } \\ 1673 E \end{gathered}$ |  | $\mathbf{F}_{1675}$ | $\boldsymbol{\sigma}_{1676 \mathrm{E}}^{\boldsymbol{\prime}}$ | $\begin{gathered} \boldsymbol{M} \\ 1677 \mathrm{E} \end{gathered}$ | $\boldsymbol{\gamma}_{1678 \mathrm{E}}^{6}$ |  |  |
| F | $\underset{1670 \mathrm{~F}}{2}$ | $\pm$ | $\underset{1672 \mathrm{~F}}{\boldsymbol{H}}$ | $\rho$ | $\underset{1674 F}{\psi}$ | $\begin{gathered} \boldsymbol{\beta} \\ 1675 F \end{gathered}$ | $p_{1676 F}^{p}$ | $\underset{1677 \mathrm{~F}}{\boldsymbol{y}}$ | $\begin{gathered} \varphi \\ 1678 \mathrm{~F} \end{gathered}$ | $P$ <br> 1679F |  |

## Logograms

| 16700 | － | BAGAM LETTER B001 TI－I |
| :---: | :---: | :---: |
| 16701 | N | BAGAM LETTER B002 M－VE |
| 16702 | ค | $\begin{aligned} & \text { BAGAM LETTER B003 U-U } \\ & =\mathrm{w}(\mathrm{oo}) \end{aligned}$ |
| 16703 | S | BAGAM LETTER B004 A－A |
| 16704 | す | BAGAM LETTER B005 GYIE |
| 16705 | $\nabla$ | $\underset{=-0}{\text { BAGAM LETTER B006 HO－OH }}$ |
| 16706 | $\uparrow$ | BAGAM LETTER B007 I－I |
| 16707 | 1 | BAGAM LETTER B008 TUNGO |
| 16708 | m | BAGAM LETTER B009 PA－AP |
| 16709 | $\mathcal{P}$ | BAGAM LETTER B010 MUOO |
| 1670A | $\varphi$ | BAGAM LETTER B011 UNG $=-\mathrm{p}$ |
| 1670B | M | BAGAM LETTER B012 N－DE |
| 1670C | T | BAGAM LETTER B013 UWAT |
| 1670D | ${ }_{4}$ | BAGAM LETTER B014 SHE |
| 1670E | A | BAGAM LETTER B015 IYA－A |
| 1670F | $\stackrel{\square}{*}$ | BAGAM LETTER B016 TE |
| 16710 | 9 | BAGAM LETTER B017 OHRO |
| 16711 | $\rho$ | BAGAM LETTER B018 LAN |
| 16712 | \＃ | BAGAM LETTER B019 KU－UNG $=(\mathrm{ng}) \mathrm{g} / \mathrm{k}$－ |
| 16713 | 乙 | BAGAM LETTER B020 TE |
| 16714 | 上 | BAGAM LETTER B021 N－GA－A |
| 16715 | ${ }^{\prime \prime}$ | BAGAM LETTER B022 GE－ET |
| 16716 | \＆ | BAGAM LETTER B023 YU－UH |
| 16717 | ＇6 | BAGAM LETTER B024 IYUNG |
| 16718 | ※ | BAGAM LETTER B025 IGHU－UNG |
| 16719 | む | BAGAM LETTER B026 IDZI－I |
| 1671A | $\gamma$ | BAGAM LETTER B027 N－GA |
| 1671B | er | BAGAM LETTER B028 IYA－A |
| 1671C | 才 | BAGAM LETTER B029 MOO－OO |
| 1671D | ¢ | BAGAM LETTER B030 DZOO－OO |
| 1671E | $\uparrow$ | BAGAM LETTER B031 N－TSEH |
| 1671F | t | BAGAM LETTER B032 M－BE |
| 16720 | 介 | BAGAM LETTER B033 NI－I |
| 16721 | $\times$ | BAGAM LETTER B034 N－DZOH |
| 16722 | ${ }_{6}$ | BAGAM LETTER B035 IYE |
| 16723 | H | BAGAM LETTER B036 ME |
| 16724 | ～ | BAGAM LETTER B037 SOO |
| 16725 | ж | BAGAM LETTER B038 IGHAT |
| 16726 | $\pm$ | BAGAM LETTER B039 TSOO－OO |
| 16727 | \％ | BAGAM LETTER B040 N－NOO |
| 16728 | ¢ | BAGAM LETTER B041 ME |
| 16729 | $\bigcirc$ | BAGAM LETTER B042 NOO |
| 1672A | 万 | BAGAM LETTER B043 POO－OO |
| 1672B | do | BAGAM LETTER B044 M－BEI |
| 1672C | ¢ | BAGAM LETTER B045 PUOO |
| 1672D | 8 | BAGAM LETTER B046 N－DAP $=$ gw－ |
| 1672E | $\nVdash$ | BAGAM LETTER B047 TSEI |
| 1672F | H | BAGAM LETTER B048 NGGOO |
| 16730 | ※ | $\begin{aligned} & \text { BAGAM LETTER B049 NE } \\ & =\text { n(e)- } \end{aligned}$ |
| 16731 | W／ | BAGAM LETTER B050 KYI－I |
| 16732 | ป | BAGAM LETTER B051 PI－I |
| 16733 | k | BAGAM LETTER B052 IYONG |
| 16734 |  | BAGAM LETTER B053 IYOO |

16735 D BAGAM LETTER B054 FA－A
16736 A BAGAM LETTER B055 IZA－A $=\mathrm{v} / \mathrm{f}$－
16737 ＊BAGAM LETTER B056 FONG
16738 \＆BAGAM LETTER B057 NGKA－A
16739 \＆BAGAM LETTER B058 N－NAP
1673A צ BAGAM LETTER B059 UWA－A
1673B $\Re$ BAGAM LETTER B060 TINGGOO
1673C F BAGAM LETTER B061 PI－I
1673D A BAGAM LETTER B062 MI－I
1673E a BAGAM LETTER B063 T－SE
1673F p BAGAM LETTER B064 PEP
16740 \＆BAGAM LETTER B065 ME
16741 \＆BAGAM LETTER B066 NE
16742 e BAGAM LETTER B067 M－BU $=1 / \mathrm{r}-$
16743 ＊BAGAM LETTER B068 NDZE
$16744 \times$ BAGAM LETTER B069 KOO
16745 ～BAGAM LETTER B070 KU－UP
16746 \＆BAGAM LETTER B071 MOO－OO
16747 r4 BAGAM LETTER B072 SHHI

## Numbers

```
16748 & BAGAM LETTER B073 MOOOO
        - used for digit one
16749 & BAGAM LETTER B074 YE-PA
    - used for digit two
1674A & BAGAM LETTER B075 KYET
    - used for digit three
1674B 〕 BAGAM LETTER B076 KUA
        - used for digit four
1674C ^ BAGAM LETTER B077 TANG
    - used for digit five
1674D & BAGAM LETTER B078 NTO
    - used for digit six
1674E q BAGAM LETTER B079 SEMBA
        - used for digit seven
1674F & BAGAM LETTER B080 FOO-OO
    - used for digit eight
16750 \omega BAGAM LETTER B081 PFOO-OO
        - used for digit nine
16751 子 BAGAM LETTER B082 VUE
        - used for number ten
```


## Syllables

16752 ب BAGAM LETTER B083
16753 q BAGAM LETTER B084
16754 又 BAGAM LETTER B085 ＝－o
16755 ＾BAGAM LETTER B086
＝ts－，dz－，dzh－，s－？
$\rightarrow 16706$＾bagam letter b007 i－i
16756 世 BAGAM LETTER B087 $=\mathrm{n}-\mathrm{m}-$ ？
16757 \＆BAGAM LETTER B088 ＝ts－
16758 A BAGAM LETTER B089 ＝－a
16759 ヵ BAGAM LETTER B090 ＝ts－

| 1675A | $\star$ | BAGAM LETTER B091 <br> $=-e,-i, y e, ~ y i$ | 1677D |  | BAGAM LETTER B126 = dz- |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1675B | $\dagger$ | BAGAM LETTER B092 | 1677E | n | BAGAM LETTER B127 |
|  |  | ＝f（oo）－ | 1677F | \％ | BAGAM LETTER B128 |
| 1675C | $\wedge$ | BAGAM LETTER B093 |  |  | ＝ts－ |
|  |  | ＝－p | 16780 | h | BAGAM LETTER B129 |
| 1675D | i | BAGAM LETTER B094 ＝mw－ | 16781 | $\checkmark$ | BAGAM LETTER B130 ＝ndz－，ndzh－ |
| 1675E | 1 | BAGAM LETTER B095 | 16782 | $\mu$ | BAGAM LETTER B131 |
|  |  | $=\mathrm{ye}$ | 16783 | $\times$ | BAGAM LETTER B132 |
| 1675F | $\beta$ | BAGAM LETTER B096 $=\mathrm{m}(\mathrm{e})$－ | 16784 | A | $=(\mathrm{ng}) \mathrm{g} \text { - }$ <br> BAGAM LETTER B133 |
| 16760 | 3 | BAGAM LETTER B097 |  | ， | $=\mathrm{m}(\mathrm{a})-$ |
| 16761 | $\stackrel{1}{ }$ | BAGAM LETTER B098 ＝ n － | 16786 | $\mu$ | BAGAM LETTER B135 $=\mathrm{iy}$ |
| 16762 | m | BAGAM LETTER B099 $=n(a)$－ | 16787 | 又 1 | $\begin{aligned} & \text { BAGAM LETTER B136 } \\ & =- \text { op } \end{aligned}$ |
| 16763 | $y$ | BAGAM LETTER B100 | 16788 | 8 | BAGAM LETTER B137 |
|  |  | ＝－t | 16789 | 山＇ | BAGAM LETTER B138 |
| 16764 | $\wedge$ | BAGAM LETTER B101 $=$ ku－ | 1678A | $\uparrow$ | $=-\mathrm{ng}$ BAGAM LETTER B139 |
| 16765 | on | BAGAM LETTER B102 $=(\mathrm{m}) \mathrm{b}-$ | 1678B | ＋ | $=$ hin BAGAM LETTER B140 |
| 16766 | \} | BAGAM LETTER B103 $=-\mathrm{u}$ | 1678C | \％ | BAGAM LETTER B141 |
| 16767 | $N$ | BAGAM LETTER B104 | 1678E | $\gamma$ | BAGAM LETTER B143 |
| 16768 | i | BAGAM LETTER B105 | 1678 F 16790 | ${ }_{4}^{4}$ | BAGAM LETTER B144 |
| 16769 | 又． | BAGAM LETTER B106 ＝ng－ | 16791 | $\mu$ | $\begin{aligned} & \text { BAGAM LETTER B146 } \\ & =\mathrm{f}(\mathrm{a})- \end{aligned}$ |
| 1676A | A | BAGAM LETTER B107 $=m(i i)-$ | 16792 | $\underline{1}$ | $\begin{aligned} & \text { BAGAM LETTER B147 } \\ & =-a ? \\ & \rightarrow 1673 \mathrm{~A} \text { ч bagam letter b059 uwa-a } \end{aligned}$ |
| 1676B | $\downarrow$ | BAGAM LETTER B108 | 16793 | $s$ | $\rightarrow 1673$ A Y bagam letter b059 uwa－a <br> BAGAM LETTER B148 |
| 1676C | R | BAGAM LETTER B109 |  |  | ＝－a |
| 1676D | $\downarrow$ | BAGAM LETTER B110 | 16794 | $\delta$ | BAGAM LETTER B149 |
| 1676E | $\bigcirc$ | $\begin{aligned} & \text { BAGAM LETTER B111 } \\ & =\mathrm{s}- \end{aligned}$ | 16795 | ه | －－a ${ }^{\text {BAGAM LETTER B150 }}$ |
| 1676F | $p$ | BAGAM LETTER B112 $=\mathrm{t}$－ | 16796 | r | BAGAM LETTER B151 |
| 16770 | $\beta$ | $\begin{aligned} & \text { BAGAM LETTER B113 } \\ & =\mathrm{m}(\mathrm{i})- \end{aligned}$ | 16797 | 7 | $=s(i)-$ <br> BAGAM LETTER B152 |
| 16771 | \％ | BAGAM LETTER B114 $=k(i)-$ | 16798 | f | ＝m（00）－${ }^{\text {BAGAM LETTER B153 }}$ |
| 16772 | $f$ | BAGAM LETTER B115 $=\mathrm{gy}$ |  |  | $=-(\mathrm{ng}) \mathrm{g}-$ ？ $\rightarrow 1671 \mathrm{~A}$ ¢ bagam letter b027 n－ga |
| 16773 | ot | BAGAM LETTER B116 | 16799 | ま | BAGAM LETTER B154 |
| 16774 | 中 | BAGAM LETTER B117 |  |  | ＝iy |
| 16775 | $n$ | BAGAM LETTER B118 | 1679A | 3 | BAGAM LETTER B155 |
| 16776 | ． | BAGAM LETTER B119 $=\mathrm{k}$－ | 1679B | $x$ | BAGAM LETTER B156 $=k(a)-$ |
| 16777 | 9 | $\begin{aligned} & \text { BAGAM LETTER B120 } \\ & =\text { mong } \end{aligned}$ | 1679C | ＋ | BAGAM LETTER B157 $=\mathrm{s}(\mathrm{a})-$ |
| 16778 | I | BAGAM LETTER B121 $=\mathrm{m}(\mathrm{o})$－ | 1679E | \％ | BAGAM LETTER B158 <br> BAGAM LETTER B159 |
| 16779 | s | BAGAM LETTER B122 | $1679 F$ $167 A 0$ | ＊ | BAGAM LETTER B160 <br> BAGAM LETTER B161 |
| 1677A | $p$ | BAGAM LETTER B123 | 167A1 | 9 | BAGAM LETTER B162 |
|  |  |  | 167A2 | M | BAGAM LETTER B163 |
| 1677B | p | BAGAM LETTER B124 | 167A3 | $\triangle$ | BAGAM LETTER B164 |
| 1677C | $\beta$ | BAGAM LETTER B125 | 167A4 | － | BAGAM LETTER B165 |

167A5 ve BAGAM LETTER B166 $=\mathrm{k}(\mathrm{a})$ -
167A6 3 BAGAM LETTER B167 = shi-
167A7 BAGAM LETTER B168 $=n g$ -
167A8 $\leadsto$ BAGAM LETTER B169 = ko-
167A9 3 BAGAM LETTER B180
167AA e BAGAM LETTER B181 $=\mathrm{pi}$
167AB 2 BAGAM LETTER B182 = kopi

## A. Administrative

## 1. Title

## Preliminary proposal to encode the Bagam script in the UCS

2. Requester's name

Michael Everson
3. Requester type (Member body/Liaison/Individual contribution)

Individual contribution.
4. Submission date

2012-07-24
5. Requester's reference (if applicable)
6. Choose one of the following:

6 a. This is a complete proposal
No.
6 b . More information will be provided later
Yes.

## B. Technical - General

1. Choose one of the following:

1a. This proposal is for a new script (set of characters)
Yes.
1b. Proposed name of script

## Bagam.

1c. The proposal is for addition of character(s) to an existing block
No.
1d. Name of the existing block
2. Number of characters in proposal
172.
3. Proposed category (A-Contemporary; B.1-Specialized (small collection); B.2-Specialized (large collection); C-Major extinct; DAttested extinct; E-Minor extinct; F-Archaic Hieroglyphic or Ideographic; G-Obscure or questionable usage symbols)

## Category B-2.

4a. Is a repertoire including character names provided?
Yes.
4b. If YES, are the names in accordance with the "character naming guidelines" in Annex L of P\&P document?
Yes.
4 c . Are the character shapes attached in a legible form suitable for review?
Yes.
5a. Who will provide the appropriate computerized font (ordered preference: True Type, or PostScript format) for publishing the standard?

## Andrij Rovenchak and Michael Everson.

5 b. If available now, identify source(s) for the font (include address, e-mail, ftp-site, etc.) and indicate the tools used:

## Michael Everson, Fontographer.

6a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?
Yes.
6 b . Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached? No.
7. 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. 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 Unicode Character Database http://www.unicode.org/ Public/UNIDATA/UnicodeCharacterDatabase.html and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.
See above.

## C. Technical - Justification

1. Has this proposal for addition of character(s) been submitted before? If YES, explain.

No.
2a. Has contact been made to members of the user community (for example: National Body, user groups of the script or characters, other experts, etc.)?
Yes.
2b. If YES, with whom?
Konrad Tuchscherer, Andrij Rovenchak.

2c. 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?
Africanists and Bantuists.
4 a . The context of use for the proposed characters (type of use; common or rare)
Used historically; rare.
4b. Reference
5a. Are the proposed characters in current use by the user community?
No.
5b. If YES, where?
6a. After giving due considerations to the principles in the P\&P document must the proposed characters be entirely in the BMP?
No.
6b. If YES, is a rationale provided?
6c. If YES, reference
7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?

Yes.
8a. Can any of the proposed characters be considered a presentation form of an existing character or character sequence?
No. Genetic similarities to Bamum are apparent, however.
8b. If YES, is a rationale for its inclusion provided?
8c. If YES, reference
9a. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters?
No.
$9 b$. If YES, is a rationale for its inclusion provided?
9c. If YES, reference
10a. Can any of the proposed character(s) be considered to be similar (in appearance or function) to an existing character?
No.
10b. If YES, is a rationale for its inclusion provided?
10c. If YES, reference
11a. Does the proposal include use of combining characters and/or use of composite sequences?
No.
11b. If YES, is a rationale for such use provided?
11c. If YES, reference
11d. Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided?
No.
11e. If YES, reference
12a. Does the proposal contain characters with any special properties such as control function or similar semantics?
No.
12b. If YES, describe in detail (include attachment if necessary)
13a. Does the proposal contain any Ideographic compatibility character(s)?
No.
13b. If YES, is the equivalent corresponding unified ideographic character(s) identified?

