To: Unicode Technical Committee

From: Neil Patel and Mark Jamra (JamraPatel), Ibrahima Barry, Abdoulaye Barry

Subject: Replacement of Adlam Reference Font in Codesheet to Updated Design

Date: 8 August 2024

Changes from version presented in Jan 2024:

- Changed font recommendation to a new version of Ebrima (v5.20, 2024)

- Included changes to CAPITAL LETTER I and SMALL LETTER I
- Added examples of revised letterforms in use
- Added appendix showing evolution of letterforms in all released fonts

1. Introduction

This document describes the changes that have been made to Adlam letterforms by Abdoulaye and Ibrahima Barry since the reference font in the Adlam code chart was last revised in 2019 (<u>L2/19-119R</u>). For reference, the relevant proposals for the Adlam script can be found here. (<u>L2/13-19I</u>, <u>L2/14-219</u>). While the changes are not as significant as those made in 2019, updating the reference chart will ensure that it represents the latest adjustments made for ease of writing and character recognition.

The motivation to update the code chart in 2019 was in response to "new insights from the language community that exposed instances of ambiguity amongst letterforms and highlighted potential legibility concerns." This was 2 years after the Adlam encoding was published in Unicode 9.0.

In the years since Adlam has continued to spread due to its availability on all computing platforms and efforts to promote its use. Today, Fulani throughout west Africa and the Sahel are now learning the writing system with trained teachers. The impact of this growth is a steady unification of the Fulah language and its various dialects. Fulah words from certain regions are being introduced into others where previously only loan words were available. This coupled with a large-scale effort to provide translations for CLDR has increased the demand for the writing system to minimize legibility concerns, reduce ambiguity amongst letterforms and simplify forms for ease of writing. In 2024 the reason to update the reference font remains the same as 2019, however the scale of feedback that has prompted these new revisions is larger.

To address the concerns, we have been working with the community to test out alternate forms with each new font or font update. These intermediate solutions offered the community the chance to try the adjustments in real time and assess their effectiveness. The feedback from teachers was collected by Ibrahima and Abdoulaye via regular meetings. After many iterations, consensus has been reached and the forms present in Ebrima (v.5.20) are expected to remain stable.

2. Recommendation

We recommend replacing the reference font in the Adlam code chart with Ebrima v5.20 to establish the correct reference for future font development. Currently, there are only 4 fonts that are widely in use for Adlam. These are Noto, Ebrima, Kigelia and ADLaM Display. Both Kigelia and Ebrima have been updated with the revised forms. ADLaM Display contains most of the current forms and Noto needs more extensive updating.

While the number of fonts and their distribution have increased since 2019, amending these fonts remains a manageable task. Since both Noto and ADLaM Display are open-source fonts, they can more easily be updated. Updating the code chart at this time will ensure that it aligns better with the fonts currently in use, reinforces the forms that are now being taught in Adlam schools and provides a proper reference for future designs.

3. Technical Overview

The letterforms that have been modified were done to alleviate the following concerns.

- Complexity when writing
 - o Example: 91 CAPITAL LETTER MIIM
- Ambiguity in the case of a letter
 - o example: 5 CAPITAL LETTER HA, 6 CAPITAL LETTER ALIF
- Ambiguity between letters which have mirrored counterparts
 - o example: 19 Capital Letter sha, IF Capital Letter zal
- Legibility of letterforms where the upper portion of a letter resembles another letter
 - o example: № SMALL LETTER TU, ⋒ SMALL LETTER JIIM
- Legibility of letterforms in context
 - o example: U capital letter i, u small letter i

3. Overview of Updates:

The differences highlighted in light grey are minor adjustments made to simplify the writing model and/or improve the dynamics. These changes are within the realm of normal design variation amongst fonts. The glyphs highlighted in dark grey have been adjusted more notably and these will be discussed in more detail in section 4.

		0	1	2	3	4	5	6	7	8	9	А	В	С	D	Е	F
U+1E90x	Current	ხ	У	Э	91	Ю	Щ	D	Я	Б	ß	ħ	U	С	а	ک	FI
	Proposed	Б	Ч	Э	S	Ю	W	D	Я	ħ	B	ħ	U	2	В	ک	FI
	Current	2	3	31	Ø	נט	В	5	Я	3	ล	æ	æ	FI	Æ	R	Ю
U+1E91x	Proposed	2	3	3	Ø	മ	В	כ	2	3	ន	m	æ	FI	Æ	R	Æ
U+1E92x	Current	2	И	ช	7	ם	9	Ю	W	ם	G	ħ	ß	Б	U	С	Ы
	Proposed	Ð	FU	ט	Ч	מ	S	Б	W	D	9	ħ	ß	Б	ט	Ω	В
	Current	۲	Fl	2	3	3	О	M	۵	Ó	의	ሄ	ล	æ	æ	А	Æ
U+1E93x	Proposed	۲	A	2	Э	3	Ø	m	ර	כ	೪	5	ត	ע	æ	Ą	Æ
11.4504	Current	5	Ф	Б	И	ੱ	័	ਂ	័	്	്	்	`				
U+1E94x	Proposed	5	Ф	Б	Œ	ੌ	ं	៑	័	്	്	்	١				
U+1E95x	Current	Ŋ	I	1	٦	٤	8	న	Я	8	9					Ä	Ş
	Proposed	0	7	ጎ	٤	٤	ક	٦	8	8	?					Ä	ξ

4. Details of Updates

The discussion below will be focused on the deliberate adjustments made to resolve issues outlined in section 3. For reference, each letter will be shown in the most current version of all four widely used fonts with positional forms where applicable. Ebrima and ADLaM Display are not connected fonts and therefore only show the isolated form. Noto Sans Adlam Old has been included a historical reference since in some cases, the revised letterforms are directly related to those older forms.

Noto Sans Adlam Old, Released 2017

Noto Sans Adlam New, Released 2019

Current (Ebrima), Released 2019

ADLaM Display, Released 2024

Kigelia v2.3, Released 2024

Proposed (Ebrima v5.2), Released 2024

A. Complexity when writing

U+1E903: CAPITAL LETTER MIIM

999 9	Noto Sans Adlam Old
2 2 <i>l</i> 2 <i>l</i> 2	Noto Sans Adlam New
S	ADLaM Display
2 SKK	Kigelia
91	Current
S	Proposed

The design in the current refence font was intended to make the CAPITAL LETTER MIIM more distinct from the 9 SMALL LETTER MIIM. This made the letterform more complicated to write. With some proportional adjustments and remodeling of the upper bowl it was found that the change was unnecessary. The current reference font is the only font that uses this more complex design.

U+1E912: CAPITAL LETTER YA

3333	Noto Sans Adlam Old
31313 3	Noto Sans Adlam New
3	ADLaM Display
31313 3	Kigelia
34	Current
3	Proposed

The leading vertical stroke from the CAPITAL LETTER YA was introduced into the current reference typeface to make the letter more distinct from its lower-case counterpart 3 SMALL LETTER YA. This remains useful in connected all caps text however for the unconnected text it is not necessary. Subsequent designs have removed the vertical line for the initial and isolated forms.

U+1E943: SMALL LETTER SHA

א אאאו	Noto Sans Adlam Old
	Noto Sans Adlam New
ы	ADLaM Display
$\Box\Box\Box\Box$	Kigelia
И	Current
Ū	Proposed

The difficulty with the form of SMALL LETTER SHA in the current code chart font occurs when written without careful control of the proportions. This results in the left side resembling an U SMALL LETTER I, thus causing readability problems. The form seen in Adlam Display was an attempt to remedy this issue, but this change was not readily accepted by the community due to its complexity. The final solution was to change the design to resemble the W SMALL LETTER SINNYIIYHE with an overbar. This has a relationship to the older design seen in Noto Sans Adlam Old which featured a similar structure in the upper portion. It should be noted that the SMALL LETTER SHA is primarily used in loan words and proper names.

B. Ambiguity in the case of a letter

U+1E900: CAPITAL LETTER ALIF

GGG G	Noto Sans Adlam Old
GGG G	Noto Sans Adlam New
G	ADLaM Display
ច្ច្រាច្ច	Kigelia
b	Current
Б	Proposed

U+1E905: CAPITAL LETTER SINNYIIYHE

щщш ш	Noto Sans Adlam Old
ש מושוש	Noto Sans Adlam New
ພ	ADLaM Display
מו מדמדמו	Kigelia
Щ	Current
W	Proposed

The horizontal stroke was moved from the bottom to the top to simplify writing. The defining part of the letterform which is the double "u" shapes remains intact, while

keeping the uppercase form distinct from the lowercase form. The current reference font is the only font that does not reflect this update.

U+1E916: CAPITAL LETTER HA

333 3	Noto Sans Adlam Old
ל ללל	Noto Sans Adlam New
3	ADLaM Display
כ כבב	Kigelia
5	Current
۲	Proposed

The aperture in the older form of the CAPITAL LETTER HA only rises to the "x-height", causing this letter to appear as a lower-case letter. Increasing the aperture size to capheight and folding the vertical extension down to a horizontal position resolves the confusion.

U+1E920: CAPITAL LETTER KPO

व ववव	Noto Sans Adlam Old
<u>666</u> 6	Noto Sans Adlam New
Ð	ADLaM Display
DDD D	Kigelia
6	Current
Ð	Proposed

Users were finding that the shape of the CAPITAL LETTER KPO resembled its lower-case form 2 SMALL LETTER KPO too closely. The redesign preserves the general idea but extends the right side down to the base line. This also helps indicate that there is a phonetic relationship to the D CAPITAL LETTER PE.

C. Ambiguity between letters which have mirrored counterparts

These changes are primarily applied to letters for loan sounds that do not commonly occur in the Fulani language.

1919191	Noto Sans Adlam Old
във в	Noto Sans Adlam New
Ю	ADLaM Display
肥肥肥	Kigelia
Æ	Current
Ю	Proposed

U+1E904: CAPITAL LETTER BA U+1E917: CAPITAL LETTER QAAF

어어어 어	Noto Sans Adlam Old
स धर्म	Noto Sans Adlam New
2	ADLaM Display
පසප ප	Kigelia
Я	Current
ع	Proposed

The problems with the CAPITAL LETTER QAAF were two-fold. The primary issue was the similarity to the CAPITAL LETTER BA which was its mirrored counterpart. Secondarily, in newer designs the left side of the letter resembles a S CAPITAL LETTER MIIM. The solution was to emphasize the upper looped portion of the letterform and reshape the bottom, so it is more distinct. CAPITAL LETTER BA remains unchanged.

U+1E926: SMALL LETTER BA

lelele le	Noto Sans Adlam Old
न वमम	Noto Sans Adlam New
Б	ADLaM Display
त असम	Kigelia
ŀЕ	Current
Б	Proposed

U+1E939: SMALL LETTER QAAF

ી બિબિ	Noto Sans Adlam Old
원원의 의	Noto Sans Adlam New
2	ADLaM Display
සසුව ව	Kigelia
왜	Current
ع	Proposed

The SMALL LETTER BA and SMALL LETTER QAAF had the same confusability issues as ther capital counterparts. The SMALL LETTER QAAF was adjusted in the same fashion as the CAPITAL LETTER QAAF with a different stroke dynamic.

U+1E91F: CAPITAL LETTER ZAL

ANN A	Noto Sans Adlam Old
មាមាម មា	Noto Sans Adlam New
Ŋ	ADLaM Display
समम स	Kigelia
Ю	Current
Æ	Proposed

U+1E921: CAPITAL LETTER SHA

א האהו ה	Noto Sans Adlam Old
MALA LA	Noto Sans Adlam New
N	ADLaM Display
FUFUEN FU	Kigelia
Ŋ	Current
FU	Proposed

In previous designs CAPITAL LETTER ZAL and CAPITAL LETTER SHA were mirrors of one another resulting in confusability between them. Various attempts to adjust the stroke dynamics did not yield elegant results that were easy to write. The updated form of the CAPITAL LETTER ZAL rearranges the strokes so that is distinct from the CAPITAL LETTER SHA. This allows the CAPITAL LETTER SHA to be flipped horizontally, thus giving it a stronger relationship to the historical form seen in Noto Sans Adlam Old.

U+1E931: SMALL LETTER WAW

म्मा न	Noto Sans Adlam Old
ध्यम ध	Noto Sans Adlam New
FI	ADLaM Display
AAA A	Kigelia
A	Current
A	Proposed

U+1E93E: SMALL LETTER VA

AAA A	Noto Sans Adlam Old
ብ የውን	Noto Sans Adlam New
A	ADLaM Display
የህዝ ነ	Kigelia
A	Current
Ą	Proposed

In previous designs SMALL LETTER WAW and SMALL LETTER VA only differed by the side the center stroke attached to. This distinguishing feature is difficult to register at small sizes. This has been resolved by flipping the entire letterform, so the overall shape differs.

D. Legibility of letterforms where the upper portion of a letter resembles another letter

U+1E914: CAPITAL LETTER JIIM

മ്പ്രമ്പ മ	Noto Sans Adlam Old
ത്തെ ത	Noto Sans Adlam New
മ	ADLaM Display
സ്ഥ്യ ന	Kigelia
ט	Current
m	Proposed

U+1E91A: CAPITAL LETTER TU

ന സ്ഥന	Noto Sans Adlam Old
യ യമ്മ	Noto Sans Adlam New
æ	ADLaM Display
rener re	Kigelia
M	Current
æ	Proposed

Particularly when connected, the upper portion of Adlam letters strongly contribute to character recognition. Both the CAPITAL LETTER JIIM and CAPITAL LETTER TU feature double arches at the top. Various attempts to modify the lower portion of the letter failed to resolve the confusability between the two letters.

Changing the stroke dynamic of the CAPITAL LETTER TU has made it distinguishable from the CAPITAL LETTER JIIM. This has allowed the lower part of the CAPITAL LETTER JIIM to return to the closed off shape seen in older designs.

E. Legibility of letterforms in context

U+1E90B: CAPITAL LETTER I

UUU U	Noto Sans Adlam Old
ULLU U	Noto Sans Adlam New
U	ADLaM Display
ט טעט	Kigelia
U	Current
Ù	Proposed

U+1E92D: SMALL LETTER I

ט טעט	Noto Sans Adlam Old
uluu u	Noto Sans Adlam New
U	ADLaM Display
ט טעט	Kigelia
U	Current
U	Proposed

An inner diagonal stroke has been added to the CAPITAL LETTER I and SMALL LETTER I in the most recent updates. This is not a significant visual change, but it makes a significant improvement to legibility. A persistent issue with Adlam, particularly when connected, has been that the repetition of the u-like shape across many of the letterforms made it difficult to read. When the LETTER I was adjacent to similar forms it was extremely difficult to determine if one is seeing the letter I or a script connection between two letters.

For example, when the LETTER I is adjacent to the LETTER SINNYIIYHE the boundaries of the letterforms are hard to distinguish. Different solutions have been attempted like adding an ascender in medial positions and adjusting proportions and spacing. While these solutions have helped, they were not robust. The diagonal stroke makes the delineation between the letters more obvious. See example below.

Noto Sans Adlam

Kigelia

5. Examples of revised letterforms in use

The manuscript samples are a subset of 173 images from 116 students collected from various countries in West Africa. The presented samples were chosen based on the quality of the penmanship and prevalence of the revised forms. An attempt has been made to identify multiple examples of the revised letterforms in use.

Due to the infrequency of the supplementary characters ([U+1E91C – U+1E921] [U+1E93E – U+1E943]) in Fulah, written examples of some of these forms were not found. In addition, the revisions made to LETTER I are new as of June 2024, so students were not introduced to this change when the images were collected. However, these revisions are more likely to be found in on-line content and printed matter.

A variety of samples have been included showing the usage of the up-to-date fonts in printed materials and social media to illustrate the level exposure that users have to the revised letterforms. There are also six books expected to go to print this year that are typeset Kigelia (2024). These have not been included in the samples as they currently are still being edited.

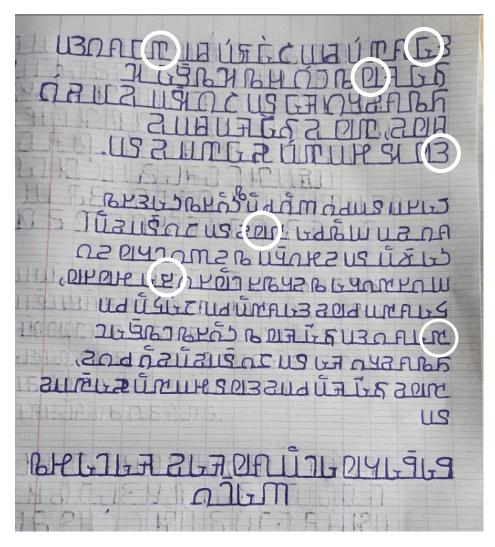


Figure 1: Writing from student A (2023) with revised forms encircled.

CAPITAL LETTER ALIF U+1E900

CAPITAL LETTER TU U+1E91A

CAPITAL LETTER U+1E913

CAPITAL LETTER YA U+1E912 (initial position)

SMALL LETTER U U+1E935

SMALL LETTER QAAF U+1E939

SMALL LETTER TU U+1E93C

मण मराष्ट्र स्वार्य हमामजेमित्र हत CILLY EU DATURA SIUZ EU EUZEN S. WYRU Ud OLE YBLU udud STATISTICS PRINTED AND REPORT माजायः पार्व प्राप्तेय विष्याम् स्या บารายรถุรณะ นั้งพาแลงพาเลา मां मार्व द्वार हर द्वार तार प्राप्त द्वार हर हर นายาธาธาราหา นายารขายอายา मराज्याह स्याप्याम्य द्यायार वाहरा अस รู้เรา ราโรง ธาโร รก ยาสุธิก ยุลหนาวส उपरुशम्प हिस्तान त्यारम् उपर राष्ट्रत क एउए इ ततार ५८ वराष्ट्र एड इत्यागप्त ग्रम त्रांशाधन त्राभावश्यम् स्थार्वयम् (ษาบนกลาย ยนกษ์) กางสมเอยุ่นกฤษค JEO SOET FAS, FO PROSTED SO UNISIDED JUE TEU PINZ YNAMM RAMUNDAN EN DOSENC ट्येट्याह्यक्रम्णियाट ह्याह्याट. हणप्राभिष

Figure 2: Writing from student A (2023) with revised forms encircled.

From top-right to bottom-left characters are as follows:

CAPTIAL LETTER JIIM U+1E914

SMALL LETTER O U+1E92E (initial position)

हा कर तिरामाय पर एक प्रथात महामुख्या के गर्ने हरें ने पर्य हित ट्राह्म ग्रिट्स स्प्रहित साध्य द्रामान्त्रमायुष्ट नार्राष्ट्रमाहण त्र यान हाक्षणाया मार्ग प्रमुख्या 20041511410 EU 11915 में के प हता है व भ รเอเรียกใน โลง ธิด ฮะเป กาด้าย ป คน โลง मिरिट मिरिट से हे में प्राप्त मिर्ग हिल इन्याह भ ADSYDRANTED PASSI OF TICHOS พบ นุการบรบ ธบ ธบ ธบากา MEREN SUNSKNEN ERSPARAM 2 ธันเมอรา 64 ธันเมอราอหล ธุลอหล CUEU. स्याद्यार व्राव्य हत्य त्राय मान्यास्य स्य รายการเกิด 259 ธา กาย มาก ข คราชมายส HELLING STERET END STERE END TO JUNE OF THE STERE OF THE एम गाव हुन, . द्याताबुरागु ७ द्याहत्तवा माय अपन क्षांत्र हिया हिया है में व हम्या है में แกรมบากา คายันกู Eu Zhara มับ Eu उत्तर पार पार, तथा हता हता हता हता हता हता แปลา การเราสุด สุด เการ์ดารักษาแ

Figure 3: Writing from student A (2023) with revised forms encircled.

From top-right to bottom-left characters are as follows:

CAPTIAL LETTER MIIM U+1E903

CAPTIAL LETTER CHI U+1E915

SMALL LETTER DHA U+1E92F

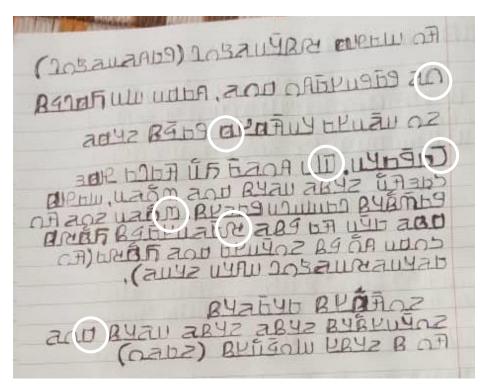


Figure 4: Writing from student B (2023) with revised forms encircled.

SMALL LETTER O U+1E92E (initial position)

SMALL LETTER U U+1E935

CAPTIAL LETTER HA U+1E916

CAPTIAL LETTER SINNYIIHE U+1E905

CAPTIAL LETTER JIIM U+1E914

SMALL LETTER TU U+1E93C

SMALL LETTER DHA U+1E92F

ROS IMI CUYU ESELU SEUS CIVIL 8 स्प्रांप पर विरोध मार्थियं अवस्थियं, हर्वेल्याहास्यां, इविहास्यान्यं ३ स्वित्व हरिया โดรทน์ 5ยน, "ผู้ โลปัคล, ๒๒๘ ป ณ ธอยนธ"ยมปหาบี RO KSELU & HIEM! के जिम्में मिरिय सिर्मा सिर्मा के कि से हिस्से से से स्वाद्य के सिर्मा से स्वादक के कि स्वादक के सिर्मा क ELS GAWARA EUSTREO ERS JAEA EARWSAS S ERS พัยชมูล Aกกษล Aubes Euch แลก , รษร ปณี Auxapen . วั अर्पाटपत्रिक हर मेर्नाहर मिर्माय सिर्फ निकेनेयार क्रिकेट हिन्साय राष्ट्रिय हिन्साय राष्ट्रिय प्राथित है के टावनित हासी हासी माने हात हुए से स्था प्रति है। "En Pa Pu Carael Guberdes de 235 पाउँएउ Aares ह्य उत्रदेश, हम मेर्प हम เป็น คิดภิปิ โฮซุด Cale 8 ยิติพุซุด Calasmilles เป็น ยิน อปโปโภดรบัติ र ताराम उत्तर है। इस हमान अपने प्रमात है। สกคุ อเลก 8 คนยนบ โรกลกรีม นับกรีการ คนโรกนย ปร คน & ชับบ वागासवामा हमायहा . हम्ब ट्राइंग घर्का संब्रुष्ट पार्वप्रताब हम्ब मधिया हिं। अक्रिक् . ट्याहार हाँदिए हर्पराध EN SKIRKU SUEYS ESYS-EUPHINS BUBU PILLER MURIN अ स्विट्या अक्षह, त्यां हेन प्रतिष्ठ निक्रमेश हिंग हारिष्य हेन द्या है। CERMU FU PIEG SAUBG. FORG LESS-EURHUE SEUE

Figure 5: Writing from student C (2023) with revised forms encircled.

From top-right to bottom-left characters are as follows:

CAPITAL LETTER BHE U+1E907

CAPTIAL LETTER SINNYIIHE U+1E905

SMALL LETTER TU U+1E93C

CAPTIAL LETTER MIIM U+1E903

CAPTIAL LETTER JIIM U+1E914

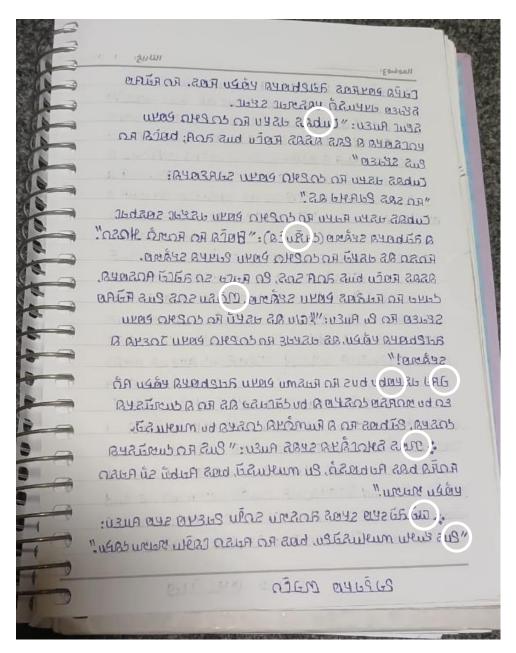


Figure 6: Writing from student D (2023) with revised forms encircled.

SMALL LETTER DHA U+1E92F

SMALL LETTER QAAF U+1E939

CAPTIAL LETTER JIIM U+1E914

CAPTIAL LETTER ALIF U+1E900

SMALL LETTER U U+1E935

CAPITAL LETTER TU U+1E91A

CAPTIAL LETTER SINNYIIHE U+1E905

CAPTIAL LETTER MIIM U+1E903

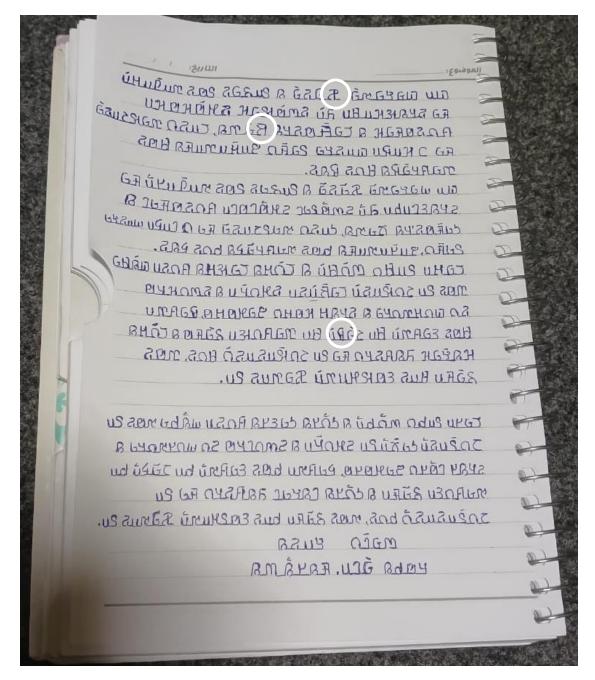


Figure 7: Writing from student D (2023) with revised forms encircled.

CAPITAL LETTER NHA U+1E91B

CAPTIAL LETTER CHI U+1E915

CAPITAL LETTER BHE U+1E907

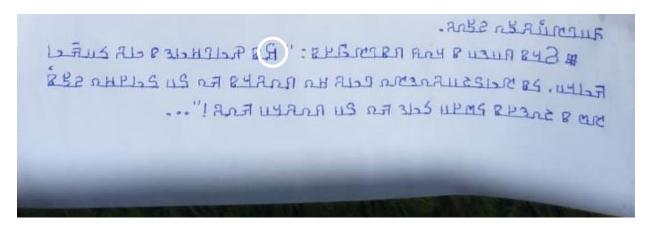


Figure 8: Writing from student E (2023) with revised forms encircled.

CAPITAL LETTER BHE U+1E907



Figure 9: Thiong'o, Ngũgĩ wa. (2023). *The Upright Evolution or Why Humans Walk Upright*, (A. Barry, Trans.). Les Editions Finde Communication/Winden Jangen (Original work published 2016) This edition uses Kigelia (2023) which features all of the updated letterforms.

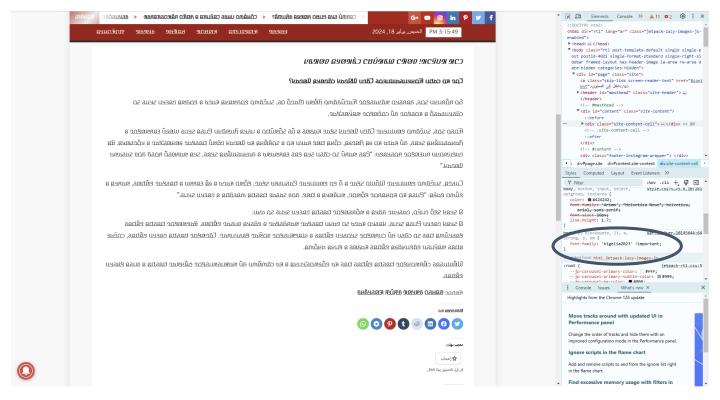


Figure 10: Tabalde. (July 2024) www.tabalde.com. This is the primary news site that publishes content exclusively in Adlam. Fonts are self-hosted and always updated to the latest version of Kigelia. As a result, users reading articles on the site are readily exposed to the most up-to-date forms.



Figure 11: Road sign in Guinea showing the 9 provinces of Fouta Jallon using ADLaM Display (2023), revised forms encircled.

CAPITAL LETTER U U+1E913

CAPITAL LETTER ALIF U+1E900

CAPTIAL LETTER YA U+1E912

CAPTIAL LETTER SINNYIIHE U+1E905

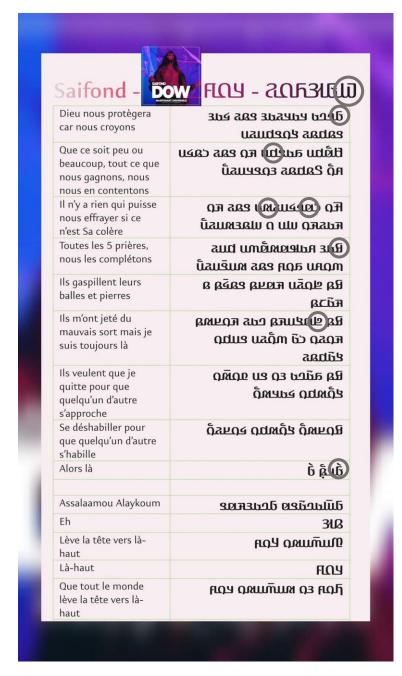


Figure 12: Barry, Abdoulaye. (2024, May 2) *Translation of lyrics from musical artist Saifond*. [Image Attached] [Facebook post] Facebook.

https://www.facebook.com/share/p/pUS6buj9B5E6t1aG/

Typeset in Kigelia (2023) with revised forms encircled.

From top-right to bottom-left characters are as follows:

CAPTIAL LETTER SINNYIIHE U+1E905

CAPITAL LETTER ALIF U+1E900

SMALL LETTER DHA U+1E92F

SMALL LETTER U U+1E935

SMALL LETTER TU U+1E93C

SMALL LETTER BHE U+1E907

SMALL LETTER BA U+1E926 (initial form)

ALIF LENGTHENER U+1E944

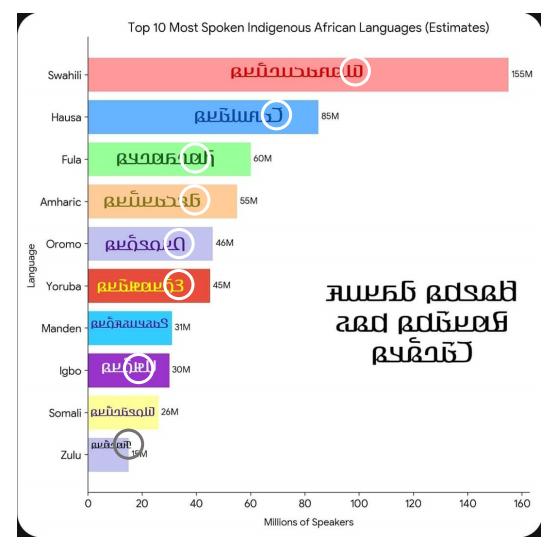


Figure 13: Tabalde Media. (2024, March 28) *Top 10 most spoken indigenous African languages*. [Image Attached] [Facebook post] Facebook.

https://www.facebook.com/photo/?fbid=926899212778020&set=g.2071942953051219

Typeset in Kigelia (2023) with revised forms encircled.

From top-right to bottom-left characters are as follows:

CAPTIAL LETTER SINNYIIHE U+1E905

CAPTIAL LETTER HA U+1E916

SMALL LETTER U U+1E935

CAPITAL LETTER ALIF U+1E900

CAPITAL LETTER O U+1E90C (initial form)

CAPTIAL LETTER YA U+1E912 (initial form)

SMALL LETTER BA U+1E926

CAPITAL LETTER ZAL U+1E91F



Figure 14: Diallo, Malick. (2024, March 26) *Social media post advertising powdered milk*. [Image Attached] [Facebook post] Facebook.

https://www.facebook.com/photo.php?fbid=3790266447922608&set=pb.100008178707739.-2207520000&type=3

Typeset in ADLaM Display. (2023)

From top-right to bottom-left characters are as follows:

CAPITAL LETTER BHE U+1E907

SMALL LETTER U U+1E935

SMALL LETTER BA U+1E926

SMALL LETTER TU U+1E93C

SMALL LETTER O U+1E92E

218	ชายมาย มายาย สะอุสาธา มายาย สาธา มายาย สาธา มายาย สาธา มายาย สาธา มายาย สาธา มายาย สาธา มายาย สาธา มายาย สาธา มาย สาธา มายาย สาธา มาย สาธา มาย สาธา มาย สาธา มาย สาธา มาย สาธา มาย สาธา มาย										
								XXXX	Q		
	ракод	ลงรวบถึ	២ មនមិត ២ភិច		ьгьң	FPMSPDB	รออมกับ	ប្តុកភេទ្ធម			
	1	ดรดัยร 11	£6:60	05:09	25:51	25:21	20:91	2161	þq		
	1	บรบูธรรา	£6:60	80:20	85:51	25:21	20:91	21:91	bot		
	, E	ดรดูธร รา	£6:60	80:20	85:51	25:31	2::91	21:91	P		
	Ł	18 รษุธย	16:60	02:08	85:51	25:21	2:91	21:91	P.		
	8	บริดัยร 21	18:80	02:08	85:51	25:21	19:02	21:91			
W	2	ดรดูธร 81	16:60	02:02	६६:६1	25:21	20:91	21:91			
V	R	บรดูธร ฎ1	18:60	02:02	FF:R1	25:21	19:02	21:91			
	8	03gFS &1	09:90	02:09	१४:४१	25:21	19:02	21:91	/		
	8	ดรดัย2 01	08:80	CZ:C9	55:51	25:21	19:02	21:91			
	10	ดรดัยร 11	65:80	50:20	हर:हा	15:38	19:02	21:91			
	11	ดรดัยร 11	65:50	50:20	15:51	15:38	19:08	81:91			
	11	ดรดูธรรา	85:80	50:50	15:51	१ ६:31	19:09	£1:91			
	21	ดรดิยระา	85:80	10:20	15:51	£2:31	19:09	21:91			
	٤1	ดรดุธรธุว	85:80	19:89	15:51	£2:31	19:08	81:91			
	61	ดรดุธรฐา	85:80	10:20	15:51	55: 2 1	19:09	81:91			
	15	ดรดิ์ยะR1	85:60	10:20	0£:E1	55:91	19:08	£1:91			
	สา	ดรดัยรชา	ZŁ:80	10:20	0F:R1	55:91	19:03	£1:91			
	81	ดรดัยะชา	25:80	05:01	0£:E1	55:91	19:09	81:91			
	91	ดรดูครอก	65:80	05:00	65:51	55:91	19:08	21:91			
	91	ดรดูธราร	산소:80	68:89	65:51	12:31	19:08	£1:91			
	11	្រពាម្ពុជាមា	산소:80	69:89	85:51	12:31	19:02	21:91			
	11	្រាខ្មុំង្គា	55:80	88:89	85:51	12:31	19:02	21:91			
	21	ក្រជាខ្នុំ៣ភ	14:60	88:80	85:51	15:31	20:91	19:15			
	٤1	ក ពង្គុធស	14:60	R8:80	85:51	15:31	19:05	21:91			
	21	ទិយត្តិ២១០	14:60	R8:80	ชร:รเ	15:31	19:02	19:15			
	Z1		05:80	26:60	8 2:21	15:31	19:05	19:15			
	81	ู	04:80	C9:95	ชร:รเ	15:31	19:02	21:91			
	81	ឋយជុំជម្លា	65:38	66:60	ช ย:ย1	15:31	19:05	21:91			
	91	ใพลื่มขอ	85:80	28:80	ช ह:ย1	12:31	19:02	21:91			
	0F	្រេយផ្ទុំជាស	85:60	18:80	25:51	15:31	19:05	21:91			
	f Malick diallo										

Figure 15: Diallo, Malick. (2024, March 12) Social media post showing the sunrise and sunset times for Ramadan. [Image Attached] [Facebook post] Facebook.

 $\frac{https://www.facebook.com/photo.php?fbid=3780929112189675\&set=pb.100008178707739.-2207520000\&type=3$

Typeset in ADLaM Display (2023) with revised forms encircled.

From top-right to bottom-left characters are as follows:

DIGIT ONE U+1E951

DIGIT SIX U+1E956



Figure 16: Finde Adlam. (2024, March 5) Advertisement for a Facebook Live presentation the day before Ramadan. [Image Attached] [Facebook post] Facebook.

https://www.facebook.com/photo/?fbid=920404383424201&set=g.2071942953051219

Typeset in ADLaM Display (2024), with revised forms encircled.

From top-right to bottom-left characters are as follows:

CAPTIAL LETTER CHI U+1E915

CAPITAL LETTER U U+1E913

CAPTIAL LETTER YA U+1E912

CAPITAL LETTER SHA U+1E921



Figure 17: Diallo, Thierno Ismaila. (2024, February 28). *Social media quiz*. https://www.facebook.com/photo/?fbid=746269100814268&set=a.437525558355292

Diallo, Thierno Ismaila. (2024, February 29). Social media quiz.

https://www.facebook.com/photo?fbid=746864957421349&set=a.437525558355292

Typeset in ADLaM Display (2024).

5. Appendix

	2017	2018	2019	2020	2021	2022	2023	2024
			CAPITAL LE	ΓTER ALIF (U+1E	900)			
Noto	G GGG		ರ ರವಿರಿ					
Ebrima		6	b					Б
Kigelia			طلعا با	ಕ ಕಿಡಿಕಿ		ರ ರುದುರ	G &\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	ರ ರಹರ
ADLaM Display						G	G	G
			SMALL LET	TER ALIF (U+1E9	22)			
Noto	לעט ט		ממשט ט					
Ebrima		ט	b					ט
Kigelia			ממש מ	ממש ט		מממ מ	מממ ט	מממט ט
ADLaM Display						b	b	b
			CAPITAL LET	TER DAALI (U+1	E901)			
Noto	צאר ה		7 777					
Ebrima		У	У					Ч
Kigelia			7 777	7 777		7 777	9 444	7 777
ADLaM Display						У	У	У
Noto	.1.1.1.1			ER DAALI (U+1E	923)			
Ebrima	거 거거거	e I	n 7 777					
Kigelia		Ŋ	у	dand				Ч
ADLaM Display			7 777	7 777		ล ล สสล	ล ล สสล	л а ааа
TIDEATH Display			CADITALIET	TED I AAM (II. 1)	E002)	<u> </u>	.	
Noto	<u> </u>		CAPITAL LET	TER LAAM (U+1)	E902)			
Ebrima	کیک د	Ы	אר ייב					Эł
Kigelia		۱.	א הארא וה	אבאבאב אב		የነውን	ውይይ የ	N YYY '-
ADLaM Display			3, 300	31 3001))))))
			SMALL LETT	TER LAAM (U+1E	924)			
Noto	ວ ວວວ		ാ റാാ					
Ebrima		פ	ט					מ
Kigelia			o	ാ റാറാ		ว ววว	ว ววว	ാ ചാാ
ADLaM Display						ງ	ງ	ם
			CAPITAL LET	TER MIIM (U+1E	E903)			
Noto	9 999		21212					
Ebrima		9	91					S
Kigelia			ඉ ඉඉඉ	SISIS S		EIEIE E	EKK 2	SISIS S
ADLaM Display						S	S	S
				ΓER MIIM (U+1E9	925)			
Noto	2 222	_	9 999					_
Ebrima		9	9					S
Kigelia			9 999	9 999		2 222	2 222	2 222
ADLaM Display						S	S	S

	2017	2018	2019	2020	2021	2022	2023	2024
			CAPITAL LI	ETTER BA (U+1E	904)			
Noto	16 161616		医医肠					
Ebrima		Ю	Æ					ŀР
Kigelia			R RRR	R RRR		12 121212	化 把把把	化 地地地
ADLaM Display						Ю	Ю	Æ
			SMALL LE	ΓTER BA (U+1E9	26)			
Noto	le lelele		नमिन न					
Ebrima		Æ	Æ					Б
Kigelia			ළ ළළළ	le leJeJe		न भिष्म	6 ወወወ	भ्रमम न
ADLaM Display						Б	Б	ந
			CAPITAL LETTH	ER SINNYIIHE (U	J+1E905)			
Noto	ա պպա		مرسم م					
Ebrima		Щ	Щ					W
Kigelia			պ պպպ	مسس م		متمتق ف	مسس س	متقتص ما
ADLaM Display						យ	យ	ធ
			SMALL LETTE	R SINNYIIHE (U+	+1E927)			
Noto	w www.							
Ebrima		W	W					W
Kigelia			שששש ש	שששו ש		שששו ש	שששו ש	w white
ADLaM Display						W	W	W
			CAPITAL LI	ETTER PE (U+1E	906)			
Noto	ם ססס		0 000					
Ebrima		Д	D					D
Kigelia			ם סבס	D DDD		0 000	D DDD	D DDD
ADLaM Display						D	D	D
			SMALL LE	TTER PE (U+1E9	28)			
Noto	ממט ט		ם ססס					
Ebrima		ם	ם					D
Kigelia			ם סמס ס	0 000		0 000	0 000	0 000
ADLaM Display						0	D	D
			CAPITAL LE	TTER BHE (U+11	E907)			
Noto	A AAA		צאא א					
Ebrima		Я	R					Я
Kigelia			RRR R	RRR R		ध सम्बद्ध	ध ससस	सरस स
ADLaM Display						Я	Я	អ
				TER BHE (U+1E	929)			
Noto	a aaa		त ततत					
Ebrima		9	٤					9
Kigelia			त तत्त	त ततत		त ततत	त ततत	त ततत
ADLaM Display						9	9	٤

	2017	2018	2019	2020	2021	2022	2023	2024
			CAPITAL LE	TTER RA (U+1E				
Noto	ה ההה		F HHF	71 121(141 (0) 12)				
Ebrima		ħ	F.					ħ
Kigelia			F ATA	F AAA		도 서버다	도 워퓨터	F ATA
ADLaM Display						F	F	F erer
ADLawi Dispiay			SMALL LET	TER RA (U+1E92	?A)			
Noto	חחח ח		ի հհի	121(141 (0) 12)				
Ebrima		Ρ	F - -					F
Kigelia		_	ը հ ո ր _	ի հհի		ի իհի	ի իհի	<u> </u>
ADLaM Display						ب	٦ 	F
1 /			CAPITALL	ETTER E (U+1E9	n9)			_
Noto	3 BBB		B BBB 8	LITEKE (O+IL)	07)			
Ebrima	, ,	R	R R					ß
Kigelia		κ.,	B BBB	8 888		B BBB	B BBB	8 8.8.8
ADLaM Display			io idado	io iadao		R R	R R	B
1 7			SMALL LE	TTER E (U+1E92	B)	,	<u>,-</u>	,
Noto	වෙන ව		മക്കു മ					
Ebrima		ß	ß					8
Kigelia			8888	8 888		8888	8.8.8	8.8.8
ADLaM Display						B	B	ß
			CAPITAL LE	TTER FA (U+1E9	0A)			
Noto	ብ <i>በ</i> ለብ		<u> </u>					
Ebrima		ĥ	Ћ					Ћ
Kigelia		·	ቫ ቬቬቫ	<u> </u>		ቫ ቬቬቫ	ቫ ቬቬቫ	ቫ ቬቬቫ
ADLaM Display			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	., ,		ĥ	ĥ	ĥ
			SMALL LET	ΓTER FA (U+1E92	C)		•	
Noto	ನೂನ ನ		तत्तत्र त					
Ebrima		Б	Б					Б
Kigelia			तत्तत्व त	ក ក្រភ		तत्तत्व त	तत्त्व त	ಕ್ರಕ್ತಕ್ಕ
ADLaM Display						F	٦	ค
			CAPITAL L	ETTER I (U+1E90)B)			
Noto	U UUU		U UUUU					
Ebrima		U	U					U
Kigelia			U UUU	U UUU		U WWW	U UUU	UUUU U
ADLaM Display						U	U	U
			SMALL LE	TTER I (U+1E92I	D)			
Noto	עעעט ט		ບ ധ്ഥ					
Ebrima		U	U					ט
Kigelia			ບ ധധ	υ ധ്ധ		u www	u ww	០ ពារា
ADLaM Display						U	U	U

	2017	2018	2019	2020	2021	2022	2023	2024
			CAPITAL LI	ETTER O (U+1E90	OC)			
Noto	C CCC		כ ממכ					
Ebrima		С	С					2
Kigelia			c ccc	$C \Omega \Omega C$		ດດດ	ດດດ	ດດດ
ADLaM Display						C	C	C
			SMALL LE	TTER O (U+1E92I	E)			
Noto	0 000		כ ממכ					
Ebrima		Q	C					Ω
Kigelia			c aac	$C \Omega\Omega C$		$\Omega\Omega\Omega$	$\Omega\Omega\Omega$	ممم م
ADLaM Display						Q	Q	Ω
			CAPITAL LET	TER DHA (U+1E	90D)			
Noto	d ddd		ය යයය					
Ebrima		В	В					Ы
Kigelia			ය යසය	ය යයය		ය සසස	ය සසස	ස සසස
ADLaM Display						В	В	В
			SMALL LET	TER DHA (U+1E9	2F)			
Noto	d ddd		ರ ರದರ					
Ebrima		а	Ы					В
Kigelia			म समम	ರ ದದರ		d ddd	d ddd	d ddd
ADLaM Display						Ħ	d	d
			CAPITAL LE	ΓTER YHE (U+1E	90E)			
Noto	ح ححے ح		ک ککک					
Ebrima		ک	ک					ک
Kigelia			<u> </u>	<i>خ ځکځ</i>		<u> </u>	<u> </u>	<u> </u>
ADLaM Display						ċ	ċ	ċ
			SMALL LET	TER YHE (U+1E9	30)			
Noto	כ ככב		כ ככב					
Ebrima		۲	۲					۲
Kigelia			כ כככ	כ כבב		כ כככ	כ כככ	כ כככ
ADLaM Display						τ	τ	τ
			CAPITAL LET	TER WAW (U+1E	E90F)			
Noto	न ननन		FI FUFFI					
Ebrima		FI	FĪ					FI
Kigelia			FI FLFLFI	FLFLF1 F1		FLFLFI FL	FLFLFI FL	FI FLFLFI
ADLaM Display						FI	FI	FI
			SMALL LET	TER WAW (U+1E9	931)			
Noto	ብ የሁራብ		eren n					
Ebrima		FĪ	A					FI
Kigelia			A AAA	A AAA		በ የሌብ	A AAA	ម មា
ADLaM Display						FI	FI	A

	2017	2018	2019	2020	2021	2022	2023	2024
	•		CAPITAL LET	ΓTER NUN (U+1E	910)			
Noto	2 222		යයය ය					
Ebrima		3	a					a
Kigelia			ය යයය	ය යයය		ය යයය	ය යයය	a aaa
ADLaM Display						ล	ล	ล
			SMALL LET	TER NUN (U+1E9	32)			
Noto	a aaa		2 222					
Ebrima		а	а					2
Kigelia			2.22.2	2.22.2		2.8.8 2	2.8.8.5	2 යය2
ADLaM Display						2	2	2
			CAPITAL LE	TTER KAF (U+1E	911)			
Noto	EFETE IE		EEE E					
Ebrima		五	3					3
Kigelia			EEE E	EEE E		EEE E	EEE E	EEE E
ADLaM Display						3	3	Æ
				TER KAF (U+1E9	33)			
Noto	म ममम		ਜ ਜਜ਼ਜ					
Ebrima		3	3					Ŧ
Kigelia			EEE E	H.H.H		EEE E	EEE E	A AAA
ADLaM Display						Э	Э	Э
			CAPITAL LI	ETTER YA (U+1E9	12)			
Noto	3 333		3 31313					
Ebrima		3	31					3
Kigelia			31 313131	3 31313		3 31313	3 31313	3 31313
ADLaM Display						3	3	3
27.4				ΓTER YA (U+1E93	4)			
Noto	3 333		3 333					
Ebrima		3	3					3
Kigelia			3 333	3 333		3 333	3 333	3 333
ADLaM Display						3	3	3
			CAPITAL L	ETTER U (U+1E9)	13)			
Noto	व्यव्यव		www w					
Ebrima		Ŋ	Ŋ					Ø
Kigelia			www w	OLOLO U		D DAD	D DAD	D DAD
ADLaM Display						Ø	Ø	Ø
				TTER U (U+1E935	5)			
Noto	0) 01010)		д ара					
Ebrima		Ø	Q					Ø
Kigelia			の ののの	ល លាលាល		0 07070	O OTOTO	O OTOTO
ADLaM Display						Ø	Ø	Ø

	2017	2018	2019	2020	2021	2022	2023	2024
			CAPITAL LE	TTER JIIM (U+1E	E914)			
Noto	ന സ്ഥന		യ സ്ക					
Ebrima		മ	ט					\Box
Kigelia			നസ്ത	യ സസ്ത		ന സ്ഥ	ന സ്ഥ	ന സ്ഥ
ADLaM Display						ប្រ	വ	ា
			SMALL LET	TER JIIM (U+1E9	936)			
Noto	ന സ്ഥ		ന സ്ഥ					
Ebrima		Μ	M					m
Kigelia			ጠ በነነነነ	ന സ്ഥ്ഥ		ሠ መመጠ	m mmm	m mmm
ADLaM Display						M	M	M
				TTER CHI (U+1E	2915)			
Noto	a aaa		සසස ස					
Ebrima		ਬ	В					В
Kigelia			BBB B	BBB B		BBB B	ත තතත	ත තතත
ADLaM Display						ล	ล	ล
Noto	* * * *			TER CHI (U+1E9	937)			
Ebrima	ත ත <u>ත</u> ත	*	ଦ ଦ <u>ୁ</u>					*
Kigelia		۵	۵	* * * *		* * * *	* * * *	۵
ADLaM Display			<u> ዕ</u> ዕልል	ඊ ඊරුර		ద దదద	ర రదద	ద దదద
ADLawi Display			CARITALIA		016)	ک	<u>ජ</u>	 5
Noto	2 2 2 2			ETTER HA (U+1E	916)			
Ebrima	5 555	ر	5 555					J
		3	5			7 777	7 777	
Kigelia ADLaM Display			5 555	5 555		כבב כ כ	כבב כ כ	כבב כ
ADLaw Display			SMALL LE	ΓTER HA (U+1E9	38)	J	J	3
Noto	5 555		לבב כ	TERTET (OTTES)				
Ebrima		5	5					J
Kigelia			5 555	לבב כ		לבב כ	כבב כ	לבב כ
ADLaM Display						5	5	5
			CAPITAL LET	TTER QAAF (U+1	E917)			
Noto	9 999		еве е					
Ebrima		Э	91					ع
Kigelia			еее е	REPE R		EEE E	ව පුපුප	ව පුපුව
ADLaM Display						म	ع	2
- ,			SMALL LET	ΓER QAAF (U+1E	2939)			
Noto	ા કાર્ય		ા કાર્ય					
Ebrima		94	의					٤
Kigelia			भ अभभ	의 의의의		म ममम	೯ ೪೪೬	೯ ೪೪೬

	2017	2018	2019	2020	2021	2022	2023	2024
			CAPITAL LI	ETTER GA (U+1E9	18)			
Noto	R RRR		2 222					
Ebrima		3	3					3
Kigelia			9 999	2 222		2 222	2 222	2 222
ADLaM Display						3	3	3
			SMALL LET	TTER GA (U+1E93	A)			
Noto	R RRR		ध धधध					
Ebrima		ያ	ያ					8
Kigelia			৪ ৪৪৪	ያ ያያያ		৪ ৪৪৪	৪ ৪৪৪	৪ ৪৪৪
ADLaM Display						ያ	ទ	ម
			CAPITAL LE	TTER NYA (U+1E	919)			
Noto	8888		გ გგგ					
Ebrima		δ	δ					δ
Kigelia			දු පුවු	දු දුපුව		දු පුවු	გ გგგ	ል ልልል
ADLaM Display						გ	ล	ត
			SMALL LET	TER NYA (U+1E93	BB)			
Noto	S SSS		ጻ ጸጹል					
Ebrima		δ	δ					δ
Kigelia			გ გგგ	გ გგგ		ል ልልል	ል ልልል	<u> </u>
ADLaM Display						ត	ត	ន
			CAPITAL LE	ETTER TU (U+1E9	1A)			
Noto	നമ്മെ ഇ		ന സ്ഥന					
Ebrima		æ	M					æ
Kigelia			ന സ്ഥന	ന സ്ഥന		መመመ ወ	ന്നു സ	ന്മ സ്ഥന
ADLaM Display						æ	æ	æ
			SMALL LET	ΓTER TU (U+1E93	C)			
Noto	യയ വ		യമ്പി ച					
Ebrima		æ	ጦ					ע
Kigelia			መመመ ወ	ന ന്ന്ന		א אטאאן	א אאא	א אאא
ADLaM Display						l ₹	Ŋ	l €
			CAPITAL LE	ΓTER NHA (U+1E	91B)			
Noto	ል ልልል		ጽ					
Ebrima		&	Ֆ					ጽ
Kigelia			ል ዴዴል	ጽጽጽ		ጽጽጽ	ጽጽጽ	ጽ
ADLaM Display						æ	8	æ
			SMALL LET	TER NHA (U+1E93	BD)			
Noto	ቅ ልልል		ጽ					
Ebrima		ж	35					æ
Kigelia			ጽ ጽጽጽ	ጽ ጽጽጽ		ጽ	ጽ	ጽ
ADLaM Display						3	3	ጽ

	2017	2018	2019	2020	2021	2022	2023	2024
			CAPITAL LE	TTER VA (U+1E	91C)			
Noto	AFFA A		RFF FI					
Ebrima		FI	FI					FI
Kigelia			A AAA	RAPA PI		A RRA	A RRA	A PARA
ADLaM Display						R	R	Ħ
			SMALL LET	TTER VA (U+1E9	3E)			
Noto	A AAA		ቦውን የ					
Ebrima		FI	P					P
Kigelia			A AAA	ብ ብብብ		A AAA	A HAA	ባ የሌባ
ADLaM Display						A	A	H
			CAPITAL LET	TER KHA (U+1	E91D)			
Noto	E EEE		E EEE					
Ebrima		Ŧ	Æ					Æ
Kigelia			E EEE	E EEE		E EEE	E EEE	E EEE
ADLaM Display						Æ	Æ	Æ
			SMALL LET	ΓER KHA (U+1	E93F)			
Noto	हि हिहि		E EEE					
Ebrima		Æ	Æ					Æ
Kigelia			E EEE	E EEE		F. F.F.F.	F. F.F.F.	F. F.F.F.
ADLaM Display						Æ	Æ	Æ
			CAPITAL LET	TER GBE (U+	1E91E)			
Noto	A AAA		R RRR					
Ebrima		2	R					R
Kigelia			R RRR	R RRR		R RRR	R RRR	R RRR
ADLaM Display						R	R	R
			SMALL LET	TER GBE (U+1	E940)			
Noto	<u>ର ଶ୍ର</u>		व्यव्					
Ebrima		5	۶					۶
Kigelia			5 555	५५५ ५		9 999	५५५५	व्यव् व
ADLaM Display						5	5	5
			CAPITAL LET	TTER ZAL (U+	1E91F)			
Noto	स समम		<u> </u>					
Ebrima	,	Ω	H U					Æ
Kigelia			0 MMM	<u> </u>		ы кит	៧ ៧៧៧	න නනන
ADLaM Display						Fl FTTT!	ਹ ਨ	æ
1 -7			SMALL LET	TER ZAL (U+1E	941)		_,	
Noto	<u> </u>		<u> </u>					
Ebrima		Φ	Φ					Φ
Kigelia			<u> </u>	<u>መ መመመ</u>		<u> መመመ</u>	<u> </u>	<u> </u>
ADLaM Display						œ	œ	\mathfrak{D}

Noto P PP		1	1		1		1	1	1
Note 한 한		2017	2018	2019	2020	2021	2022	2023	2024
Belima				CAPITAL LE	TTER KPO (U+1E	920)			
Note 보고	Noto	ववव व		6 666					
Note PEP PE	Ebrima		2	2					Ð
Note PEP PE	Kigelia			6 666	6 6bb		R RRR	8 888	8 888
Noto 은 말만 은 모든 은 모든 은 모든 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이									
Ebrima P P P P P P P P P P P P P P P P P P				SMALL LET	TER KPO (U+1E9	42)			
Note Page	Noto	ववव व		ը ըրը					
ADLAM Display Noto 본 보고	Ebrima		Б	Б					Б
Noto 본 년보인 명 대체제 등 대체 등 대체	Kigelia			<u>qqq</u> g	9 999		6 666	6 666	6 666
Noto 본 보일보 대 대표 대 대 대 대	ADLaM Display						6	6	6
Noto 본 보일보 대 대표 대 대 대 대				CAPITAL LE	TTER SHA (U+1E	921)			
변경 변경 변경 변경 변경 변경 변경 변	Noto	ששש ש							
Rigelia Ri		,	μ						FI
ADLAM Display			_		IA IAIAIA		ना नानाना	ना नानाना	
Noto 世 地地	_			01 0 12 12 1	01 0 20 20 1				
Noto 본 보면보 내 내내내 내 내내내 나 나 나 나 나 나 나 나 나 나 나 나 나	112 2m:12 10p:my			SMALL LET	TER SHA (U+1E9	43)	10	10	
Ebrima 반반 내 내내내 내 내내내 변 대표를 다 되었다. ADLAM Display	Noto	א האהר			,	,			
Kigelia	Ebrima	•	ניט						Ш
ADLAM Display	Kigelia				ін інінін		भ भिभिभ	र्सिसिस स	
Noto 이 1 1 보는									
Noto 이 1 전 2				DIGITS (I	[+1F950 - IJ+1F95	9)			
Noto 한경 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 성 8 성 연 연 6 성 8 성 연 6 d 8 성 연 6 d 8 성 연 6 d 8 성 연 6 d 8 성 연 6 d 8 성 연 6 d 8 성 6 d 8 성 연 6 d 8 성 연 6 d 8 성 연 6 d 8 성 연 6 d 8 d 6 d 8 d 6 d 8 d 8 d 8 d 8 d 8 d		ህ ለአን			7111230 0111233	<i>)</i>			
Ebrima 이 11보는 기 1 보는	Noto								
Ebrima \$\partial \text{RSP}\$	_	• •	0118F						<u> </u>
ADLaM Display Nasalization Mark (U+1E94B) Noto III Kigelia PARSP PARSP PARSP PARSP PARSP PARSP PARSP NASALization Mark (U+1E94B) ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	Ebrima								
ADLaM Display NASALIZATION MARK (U+1E94B) Noto III Kigelia NASALIZATION MARK (U+1U) MASALIZATION MARK (U+1E94B) MASALIZATION MARK (U+1E94B) MASALIZATION MARK (U+1E94B)	77. 1.			3112F	3112F		2115	0518F	0512Z
NASALIZATION MARK (U+1E94B) Noto	Kigelia			<i>୧</i> ଟ୍ଟେମ୍ବର	<u> ୧</u> ୪୧୪୫		988 <i>5</i> 9	988 <i>5</i> 9	988 <i>5</i> 9
NASALIZATION MARK (U+1E94B) Noto III Ebrima Kigelia	ADLaM Display						שווצצ	31157	31157
Noto IIII Ebrima ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	ADLaw Display						98859	98859	98859
Noto IIII Ebrima ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '									
Ebrima ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '				NASALIZATI	ON MARK (U+1E	94B)			
Kigelia	Noto			1 111					
rigena	Ebrima			1					1
ADLaM Display	Kigelia			1 111	1 111		1 m	1 111	1 111
	ADLaM Display						•	•	•