

Universal Multiple-Octet Coded Character Set
International Organization for Standardization

Doc Type: ISO/IEC JTC1/SC2/WG2

Title: Proposal to provisionally assign or accept 603 urgently-needed ideographs

Authors: Ken Lunde

Status: Member Body Contribution

Action: For consideration by WG2 and UTC

Date: 2023-04-24

China issued two drafts of a [GB 18030-2022](#) amendment within the past six months, both of which are disruptive for the international standards community in that they attempt to encode several hundred virtually unvetted ideographs in Plane 10 (U+A0000..U+AFFFFD), which is currently unallocated. Given that China did not adopt the US National Body recommendations in [L2/23-057](#) (aka IRG N2591, WG2 N5201 and SC2 N4834) per Section 02 of [L2/23-082](#) (see page 2), there is a clear and demonstrated urgent need to encode these ideographs with an aggressive time line.

The Proposal—Unicode Version 16.0

In light of the clear urgency on the part of China to encode this repertoire of ideographs, and to adhere to the standardization process to the extent that is possible given the aggressive time line, I therefore recommend that code points for 603 urgently-needed ideographs be provisionally assigned in a new block named **CJK Unified Ideographs Extension I**, immediately after the CJK Unified Ideographs Extension F block. China needs only a stable set of code points, so I further recommend that this new block be targeted for Unicode Version 16.0 (2024), and be added to ISO/IEC 10646-2020 (aka 6th Edition) Amendment 2.

Recommendations: I recommend to the UTC the following disposition ⇒

Consensus: Provisionally assign 603 code points U+2EBF0..U+2EE4A in a new CJK Unified Ideographs Extension I block at U+2EBF0..U+2EE4F, for 603 ideographs as described in L2/23-106 (see “The Proposal—Unicode Version 16.0”).

Action Item for Michel Suignard, CJK: Apply the `kIRG_GSource`, `kRSUnicode`, and `kTotalStrokes` property value additions for the 603 CJK Unified Ideographs in the new CJK Unified Ideographs Extension I block, based on document L2/23-106 (see “The Proposal—Unicode Version 16.0”), and provide to Ken Lunde an updated Unihan data file, for Unicode Version 16.0.

Action Item for Ken Lunde, CJK: Update the Unihan database to add the `kIRG_GSource`, `kRSUnicode`, and `kTotalStrokes` property values for the 603 CJK Unified Ideographs in the new CJK Unified Ideographs Extension I block, based on document L2/23-106 (see “The Proposal—Unicode Version 16.0”), for Unicode Version 16.0.

Action Item for Ken Whistler, EDC: Update the pipeline to include the new CJK Unified Ideographs Extension I block, based on document L2/23-106 (see “The Proposal—Unicode Version 16.0”), for Unicode Version 16.0.

Action Item for Ken Lunde, EDC: Document the new CJK Unified Ideographs Extension I block in PRI #467 (Proposed Update UAX #38), based on document L2/23-106 (see “The Proposal—Unicode Version 16.0”), for Unicode Version 16.0.

Action Item for Ken Lunde, EDC: Document the new CJK Unified Ideographs Extension I block in the Core Specification, based on document L2/23-106 (see “The Proposal—Unicode Version 16.0”), for Unicode Version 16.0.

Action Item for Ken Lunde, CJK: Forward document L2/23-106 to CESI as feedback to the second draft of the GB 18030-2022 amendment before 2023-05-06, indicating that the UTC accepted the proposal in the “The Proposal—Unicode Version 16.0” section.

The Alternate Proposal—Unicode Version 15.1

If this block needs to be standardized earlier than Unicode Version 16.0, we can certainly add it to Unicode Version 15.1, but there is one major caveat to consider: *the Unihan database is likely to be frozen for Unicode Version 15.1 per the recommendation in Section 01 of L2/23-082.* We can surgically insert the necessary property values—for *kIRG_GSource*, *kRSUnicode*, and *kTotalStrokes*—into the current (aka Unicode Version 15.1 Alpha) *Unihan_IRGSources.txt* data file, but without being able to update the Unihan database proper, which is implemented as a MySQL database, we will be unable to update the online [Unihan Database Lookup](#) tool. The new block would still be added to ISO/IEC 10646-2020 Amendment 2.

Recommendations: I recommend to the UTC the following disposition ⇨

Consensus: Accept 603 CJK Unified Ideographs in a new CJK Unified Ideographs Extension I block with code point range U+2EBF0..U+2EE4A (block: U+2EBF0..U+2EE4F), based on document L2/23-106 (see “The Alternate Proposal—Unicode Version 15.1”), for Unicode Version 15.1.

Action Item for Michel Suignard, CJK: Apply the *kIRG_GSource*, *kRSUnicode*, and *kTotalStrokes* property value additions for the 603 CJK Unified Ideographs in the new CJK Unified Ideographs Extension I block, based on document L2/23-106 (see “The Alternate Proposal—Unicode Version 15.1”), and provide to Ken Lunde an updated Unihan data file, for Unicode Version 15.1.

Action Item for Ken Lunde, CJK: Update the Unihan database file *Unihan_IRGSources.txt* to add the *kIRG_GSource*, *kRSUnicode*, and *kTotalStrokes* property values for the 603 CJK Unified Ideographs in the new CJK Unified Ideographs Extension I block, based on document L2/23-106 (see “The Alternate Proposal—Unicode Version 15.1”), for Unicode Version 15.1.

Action Item for Ken Whistler, EDC: Update the pipeline to include the new CJK Unified Ideographs Extension I block, based on document L2/23-106 (see “The Alternate Proposal—Unicode Version 15.1”), for Unicode Version 15.1.

Action Item for Ken Lunde, EDC: Document the new CJK Unified Ideographs Extension I block in PRI #467 (Proposed Update UAX #38), based on document L2/23-106 (see “The Alternate Proposal—Unicode Version 15.1”), for Unicode Version 15.1.

Action Item for Ken Lunde, EDC: Document the new CJK Unified Ideographs Extension I block in the Core Specification, based on document L2/23-106 (see “The Alternate Proposal—Unicode Version 15.1”), for Unicode Version 16.0.

Action Item for Ken Lunde, CJK: Forward document L2/23-106 to CESI as feedback to the second draft of the GB 18030-2022 amendment before 2023-05-06, indicating that the UTC accepted the proposal in the “The Alternate Proposal—Unicode Version 15.1” section.

The Background

The following sections provide details of the GB 18030-2022 amendment that relate to this proposal, the process of reviewing the Plane 10 repertoire of the second draft, and the resulting repertoire after it had been subjected to review by several IRG experts.

The GB 18030-2022 Amendment—Draft 1 Versus Draft 2

The first draft of the GB 18030-2022 amendment encoded 897 ideographs in Plane 10 in a single contiguous range (U+A0000..U+A0380), and based on feedback that was submitted by the US National Body and others, this repertoire was reduced to 614 ideographs in the second draft (see pp 50 through 53 of [L2/23-100](#)) in two ranges (U+A0000..U+A0259 and U+A0270..U+A027B). The repertoire in the first draft was, for all practical purposes, unordered, and was therefore difficult to review. The slightly smaller repertoire in the second draft followed conventional radical-stroke order.

The Expert Review

Several IRG experts, including myself, volunteered to review the repertoire of 614 ideographs in the second draft of the GB 18030-2022 amendment, which involved scrutinizing the ordering by establishing radical-stroke (aka *kRSUnicode*) and total stroke (aka *kTotalStrokes*) property data, and to determine whether any of the ideographs have already been encoded in existing CJK Unified Ideographs blocks. IDS (*Ideographic Description Sequence*) data was also established.

The table below lists 11 ideographs that were removed from the repertoire, because they were determined to be unifiable with existing ideographs:

Glyph	Plane 10	Plane 2	Block	Sources	Code Chart Excerpt
𣎵	U+A002D	U+2A8F7	C	K	2A8F7 土 32.9 𣎵 K5-0089
𣎶	U+A0059	U+217E7	B	T	217E7 女 38.9 𣎶 TF-3367
𣎷	U+A0088	U+2D6DD	F	J	2D6DD 彳 60.3 𣎷 JMJ-059588

Glyph	Plane 10	Plane 2	Block	Sources	Code Chart Excerpt
街	U+A008A	U+2DE4A	F	K UK	2DE4A 街 街 玉 96.6 KC-06499 UK-02896
璿	U+A0131	U+24A01	B	T	24A01 璿 玉 96.10 TF-4978
琢	U+A0135	U+2DE63	F	J	2DE63 琢 玉 96.9 JMJ-059904
竝	U+A0174	U+25A5A	B	G	25A5A 竝 立 117.4 G4K-28225
蓼	U+A01AD	U+26C9E	B	T V UK	26C9E 蓼 蓼 蓼 艸 140.8 TF-3E71 V4-5279 UK-01967
迕	U+A01E2	U+28472	B	T	28472 迕 辵 162.4 TF-2873
𡗗	U+A0272	U+2BB7B	E	V	2BB7B 𡗗 土 32.7 V4-445A
譌	U+A0278	U+8B4C	URO	G H T J K KP	8B4C 譌 譌 譌 譌 譌 譌 言 149.12 GE-4D30 H-8FE3 T3-5B36 J0-6B77 K1-685A KP1-7786

This decreased the repertoire to 603 ideographs. The following four points provide additional information that provides answers to questions that may be raised:

- For those ideographs whose glyph is not an exact match for a representative glyph in the **Code Chart Excerpt** column, they are deemed unifiable to the CJK Unified Ideograph in the **Plane 2** column according to IRG unification rules.
- China is encouraged to prepare and submit a horizontal extension proposal to assign a G-source to the nine ideographs in the table above that currently lack one.
- For the two ideographs that are G-source (marked in **red** in the **Sources** column), China is encouraged to update the representative glyph of the CJK Unified Ideograph in the **Plane 2** column to match the glyph in the **Glyph** column.
- The G-source representative glyph for U+7468 璿 is the same as the T-source representative glyph for U+24A01 璿. The components in question, 晋 and 晉, are considered to be unifiable according to IRG unification rules. Furthermore, U+7468 璿 is included in China's TGH 2013 (aka 通用规范汉字表 *Tōngyòng Guīfàn Hànzìbiǎo*) standard as serial number 7623. The official TGH 2013 mappings are included in Appendix E of the GB 18030-2022 standard, so it would neither be reasonable for China to change the G-source representative glyph of U+7468 璿 to 璿, nor to change the mapping for TGH 2013 serial number 7623 to U+24A01 璿. We therefore recommend that China use U+24A01 as the mapping for 璿. The table below provides a visual representation of this situation, which would not be unique as demonstrated by the T-source representative glyphs of U+81F4 and U+26936:

Glyph	Mapping	Block	Sources	Code Chart Excerpt
璿	U+7468	URO	G H T J K KP	7468 玉 96.10 璿璿璿璿璿璿 G3-3F6B H-947A T3-4822 J1-4C45 K0-7253 KP0-EBA5
璿	U+24A01	B	T	24A01 玉 96.10 璿 TF-4978
致	U+81F4	URO	G H T J K KP V	81F4 至 133.3 致致致致致致致 G0-5642 HB1-AD50 T1-5333 J0-4357 K0-7648 KP0-EEFA V1-643C
致	U+26936	B	G T V	26936 至 133.3 致致致 GKX-1001.19 T6-3B3A VN-26936

The table below lists two ideographs that were removed from the repertoire, because they were determined to be error forms of existing G-source ideographs:

Glyph	Plane 10	Correct	Block	Sources	Code Chart Excerpt
鸞	U+A0254	U+2CE26	E	G	2CE26 鸟 196.11 鸞 GCH-7028.86
癸	U+A0258	U+4DAE	A	G	4DAE 龙 212.4 癸 G7-2227

This further decreased the repertoire to 601 ideographs.

Finally, the table below lists two ideographs that were restored from the first draft of the GB 18030-2022 amendment, because they were determined to have been removed in error (data for their traditional forms are provided in the four columns on the right):

Glyph	Plane 10	Traditional	Block	Sources	Code Chart Excerpt
燁	U+A00CE	U+7217	URO	G H T J K KP	7217 火 86.16 燁燁燁燁燁燁 GE-414F H-91E2 T3-5C57 J1-4A43 K1-6760 KP1-5657
钁	U+A00D9	U+28948	B	H	28948 金 167.3 钁 H-9BEF

Finally, this increased the repertoire to 603 ideographs.

IRG Working Set 2021

46 of the ideographs in the recommended repertoire of 603 ideographs are currently included in [IRG Working Set 2021](#), and if this proposal were to be accepted, they would need to be removed from IRG Working Set 2021. The *ws2021-46.txt* data file, which is a PDF attachment, includes the mappings.

The Representative Glyph Corrections

Four of the representative glyphs in the second draft of the GB 18030-2022 amendment were determined to be in error, and after consulting with China, they were corrected as described in the table below:

Glyph	Plane 10	Plane 2	Correction
璁	U+A0122	U+2ED0E	The dot-like stroke was removed; its traditional form may be U+24A4A 璁
蕝	U+A01AF	U+2ED9B	The 太 component was changed to 犬; its traditional form may be U+27000 蕝
鑄	U+A021C	U+2EE0E	The dot-like stroke was restored; see IRG Working Set 2021 serial number 04211 (aka UK-20966)
鏡	U+A027B	U+2EE12	The left component was originally 全, which was determined to be an error form of 𠂔

The Attachments

In addition to the *ws2021-46.txt* data file that is cited in the previous section, other PDF attachments include *Unihan.txt* (additional entries for the *Unihan_IRGSources.txt* data file), *metadata.txt* (a data file that includes mappings to the Plane 10 code points in the second draft of the GB 18030-2022 amendment), *CJKUIExtI-Regular.ttf* (a TrueType font that includes the representative glyphs that are mapped from the proposed code points), and *recommendations.txt* (a “plain text” Copy&Paste-ready version of the **Recommendations** in the first two sections of this document).

The Repertoire, Code Charts & Proposal Summary Form

Pages 7 through 20 of this document provide the code charts for the proposed repertoire of 603 ideographs, which includes their representative glyphs, their code points, their *kIRG_GSource* property values (aka source references), their *kRSUnicode* property values, and their *kTotalStrokes* property values. Pages 21 and 22 provide the Proposal Summary Form.

The source references use a new source prefix, **GIDC23**, and the values that follow are three zero-padded integer values, starting with 001.

That is all.

Glyph	Code Point	Source Reference	RS	TS
仇	U+2EBF0	GIDC23-001	9.2	4
仿	U+2EBF1	GIDC23-002	9.3	5
仈	U+2EBF2	GIDC23-003	9.3	5
仅	U+2EBF3	GIDC23-004	9.3	5
伋	U+2EBF4	GIDC23-005	9.4	6
佩	U+2EBF5	GIDC23-006	9.4	6
仞	U+2EBF6	GIDC23-007	9.5	7
怪	U+2EBF7	GIDC23-008	9.5	7
佻	U+2EBF8	GIDC23-009	9.8	10
倮	U+2EBF9	GIDC23-010	9.8	10
倮	U+2EBFA	GIDC23-011	9.8	10
俞	U+2EBFB	GIDC23-012	9.9	11
倝	U+2EBFC	GIDC23-013	9.9	11
龠	U+2EBFD	GIDC23-014	9.12	14
龡	U+2EBFE	GIDC23-015	11.6	8
冫	U+2EBFF	GIDC23-016	15.3	5
凇	U+2EC00	GIDC23-017	15.11	13
凇	U+2EC01	GIDC23-018	15.12	14
冫	U+2EC02	GIDC23-019	16.5	7
凇	U+2EC03	GIDC23-020	16.7	9
凇	U+2EC04	GIDC23-021	16.11	13
冫	U+2EC05	GIDC23-022	18.6	8

Glyph	Code Point	Source Reference	RS	TS
勑	U+2EC06	GIDC23-023	19.6	8
凇	U+2EC07	GIDC23-024	19.8	10
凇	U+2EC08	GIDC23-025	27.6	8
凇	U+2EC09	GIDC23-026	27.13	15
凇	U+2EC0A	GIDC23-027	29.4	6
凇	U+2EC0B	GIDC23-028	30.4	7
凇	U+2EC0C	GIDC23-029	30.8	11
凇	U+2EC0D	GIDC23-030	30.9	12
凇	U+2EC0E	GIDC23-031	30.18	21
凇	U+2EC0F	GIDC23-032	31.6	9
凇	U+2EC10	GIDC23-033	32.3	6
凇	U+2EC11	GIDC23-034	32.3	6
凇	U+2EC12	GIDC23-035	32.4	7
凇	U+2EC13	GIDC23-036	32.4	7
凇	U+2EC14	GIDC23-037	32.5	8
凇	U+2EC15	GIDC23-038	32.6	9
凇	U+2EC16	GIDC23-039	32.6	9
凇	U+2EC17	GIDC23-040	32.6	9
凇	U+2EC18	GIDC23-041	32.6	9
凇	U+2EC19	GIDC23-042	32.6	9
凇	U+2EC1A	GIDC23-043	32.6	9
凇	U+2EC1B	GIDC23-044	32.6	9

Glyph	Code Point	Source Reference	RS	TS
埭	U+2EC1C	GIDC23-045	32.7	10
埭	U+2EC1D	GIDC23-046	32.7	10
埭	U+2EC1E	GIDC23-047	32.8	11
埭	U+2EC1F	GIDC23-048	32.8	11
埭	U+2EC20	GIDC23-049	32.9	12
埭	U+2EC21	GIDC23-050	32.9	12
埭	U+2EC22	GIDC23-051	32.9	12
埭	U+2EC23	GIDC23-052	32.9	12
埭	U+2EC24	GIDC23-053	32.10	13
埭	U+2EC25	GIDC23-054	32.10	13
埭	U+2EC26	GIDC23-055	32.11	14
埭	U+2EC27	GIDC23-056	32.11	14
埭	U+2EC28	GIDC23-057	32.11	14
埭	U+2EC29	GIDC23-058	32.11	14
埭	U+2EC2A	GIDC23-059	32.11	14
埭	U+2EC2B	GIDC23-060	32.12	15
埭	U+2EC2C	GIDC23-061	32.12	15
埭	U+2EC2D	GIDC23-062	32.12	15
埭	U+2EC2E	GIDC23-063	32.13	16
埭	U+2EC2F	GIDC23-064	32.13	16
埭	U+2EC30	GIDC23-065	32.14	17
埭	U+2EC31	GIDC23-066	33.3	6

Glyph	Code Point	Source Reference	RS	TS
𡗗	U+2EC32	GIDC23-067	33.6	9
𡗘	U+2EC33	GIDC23-068	33.6	9
𡗙	U+2EC34	GIDC23-069	34.14	17
𡗚	U+2EC35	GIDC23-070	37.4	7
𡗛	U+2EC36	GIDC23-071	37.6	9
𡗜	U+2EC37	GIDC23-072	37.8	11
𡗝	U+2EC38	GIDC23-073	37.8	11
𡗞	U+2EC39	GIDC23-074	38.2	5
𡗟	U+2EC3A	GIDC23-075	38.3	6
𡗠	U+2EC3B	GIDC23-076	38.4	7
𡗡	U+2EC3C	GIDC23-077	38.4	7
𡗢	U+2EC3D	GIDC23-078	38.4	7
𡗣	U+2EC3E	GIDC23-079	38.5	8
𡗤	U+2EC3F	GIDC23-080	38.5	8
𡗥	U+2EC40	GIDC23-081	38.6	9
𡗦	U+2EC41	GIDC23-082	38.6	9
𡗧	U+2EC42	GIDC23-083	38.6	9
𡗨	U+2EC43	GIDC23-084	38.6	9
𡗩	U+2EC44	GIDC23-085	38.7	10
𡗪	U+2EC45	GIDC23-086	38.7	10
𡗫	U+2EC46	GIDC23-087	38.7	10
𡗬	U+2EC47	GIDC23-088	38.8	11

Glyph	Code Point	Source Reference	RS	TS
媿	U+2EC48	GIDC23-089	38.8	11
媿	U+2EC49	GIDC23-090	38.8	11
媿	U+2EC4A	GIDC23-091	38.8	11
媿	U+2EC4B	GIDC23-092	38.8	11
媿	U+2EC4C	GIDC23-093	38.8	11
媿	U+2EC4D	GIDC23-094	38.9	12
媿	U+2EC4E	GIDC23-095	38.9	12
媿	U+2EC4F	GIDC23-096	38.9	12
媿	U+2EC50	GIDC23-097	38.10	13
媿	U+2EC51	GIDC23-098	38.10	13
媿	U+2EC52	GIDC23-099	38.11	14
媿	U+2EC53	GIDC23-100	38.11	14
媿	U+2EC54	GIDC23-101	38.11	14
媿	U+2EC55	GIDC23-102	38.11	14
媿	U+2EC56	GIDC23-103	38.11	14
媿	U+2EC57	GIDC23-104	38.12	15
媿	U+2EC58	GIDC23-105	38.16	19
媿	U+2EC59	GIDC23-106	38.16	19
媿	U+2EC5A	GIDC23-107	38.21	24
媿	U+2EC5B	GIDC23-108	39.10	13
媿	U+2EC5C	GIDC23-109	40.3	6
媿	U+2EC5D	GIDC23-110	40.4	7

Glyph	Code Point	Source Reference	RS	TS
窻	U+2EC5E	GIDC23-111	40.9	12
窻	U+2EC5F	GIDC23-112	40.15	18
窻	U+2EC60	GIDC23-113	42.3	6
窻	U+2EC61	GIDC23-114	42.5	8
窻	U+2EC62	GIDC23-115	46.4	7
窻	U+2EC63	GIDC23-116	46.4	7
窻	U+2EC64	GIDC23-117	46.5	8
窻	U+2EC65	GIDC23-118	46.5	8
窻	U+2EC66	GIDC23-119	46.6	9
窻	U+2EC67	GIDC23-120	46.6	9
窻	U+2EC68	GIDC23-121	46.7	10
窻	U+2EC69	GIDC23-122	46.7	10
窻	U+2EC6A	GIDC23-123	46.8	11
窻	U+2EC6B	GIDC23-124	46.8	11
窻	U+2EC6C	GIDC23-125	46.8	11
窻	U+2EC6D	GIDC23-126	46.13	16
窻	U+2EC6E	GIDC23-127	46.13	16
窻	U+2EC6F	GIDC23-128	50.4	7
窻	U+2EC70	GIDC23-129	53.5	8
窻	U+2EC71	GIDC23-130	57.4	7
窻	U+2EC72	GIDC23-131	57.6	9
窻	U+2EC73	GIDC23-132	57.6	9

Glyph	Code Point	Source Reference	RS	TS
𢇗	U+2EC74	GIDC23-133	57.6	9
𢇘	U+2EC75	GIDC23-134	57.7	10
𢇙	U+2EC76	GIDC23-135	59.5	8
𢇚	U+2EC77	GIDC23-136	60.5	8
𢇛	U+2EC78	GIDC23-137	60.8	11
𢇜	U+2EC79	GIDC23-138	60.9	12
𢇝	U+2EC7A	GIDC23-139	60.12	15
𢇞	U+2EC7B	GIDC23-140	61.3	6
𢇟	U+2EC7C	GIDC23-141	61.4	7
𢇠	U+2EC7D	GIDC23-142	61.4	7
𢇡	U+2EC7E	GIDC23-143	61.4	7
𢇢	U+2EC7F	GIDC23-144	61.5	8
𢇣	U+2EC80	GIDC23-145	61.6	10
𢇤	U+2EC81	GIDC23-146	61.6	9
𢇥	U+2EC82	GIDC23-147	61.7	11
𢇦	U+2EC83	GIDC23-148	61.8	11
𢇧	U+2EC84	GIDC23-149	61.9	12
𢇨	U+2EC85	GIDC23-150	61.9	12
𢇩	U+2EC86	GIDC23-151	61.10	13
𢇪	U+2EC87	GIDC23-152	61.10	13
𢇫	U+2EC88	GIDC23-153	62.9	13
𢇬	U+2EC89	GIDC23-154	62.9	13

Glyph	Code Point	Source Reference	RS	TS
𢇭	U+2EC8A	GIDC23-155	62.10	14
𢇮	U+2EC8B	GIDC23-156	64.3	6
𢇯	U+2EC8C	GIDC23-157	64.4	7
𢇰	U+2EC8D	GIDC23-158	64.7	10
𢇱	U+2EC8E	GIDC23-159	64.10	13
𢇲	U+2EC8F	GIDC23-160	64.11	15
𢇳	U+2EC90	GIDC23-161	66.5	9
𢇴	U+2EC91	GIDC23-162	66.6	10
𢇵	U+2EC92	GIDC23-163	66.7	11
𢇶	U+2EC93	GIDC23-164	67.5	9
𢇷	U+2EC94	GIDC23-165	67.8	12
𢇸	U+2EC95	GIDC23-166	70.8	12
𢇹	U+2EC96	GIDC23-167	70.8	12
𢇺	U+2EC97	GIDC23-168	72.3	7
𢇻	U+2EC98	GIDC23-169	72.3	7
𢇼	U+2EC99	GIDC23-170	72.4	8
𢇽	U+2EC9A	GIDC23-171	72.4	8
𢇾	U+2EC9B	GIDC23-172	72.5	9
𢇿	U+2EC9C	GIDC23-173	72.6	10
𢈀	U+2EC9D	GIDC23-174	72.6	10
𢈁	U+2EC9E	GIDC23-175	72.6	10
𢈂	U+2EC9F	GIDC23-176	72.8	12

Glyph	Code Point	Source Reference	RS	TS
惇	U+2ECA0	GIDC23-177	72.9	13
瞍	U+2ECA1	GIDC23-178	72.10	14
瞞	U+2ECA2	GIDC23-179	72.10	14
瞤	U+2ECA3	GIDC23-180	72.10	14
瞥	U+2ECA4	GIDC23-181	72.11	15
瞪	U+2ECA5	GIDC23-182	72.12	16
眈	U+2ECA6	GIDC23-183	74.5	9
眊	U+2ECA7	GIDC23-184	74.6	10
看	U+2ECA8	GIDC23-185	74.6	10
県	U+2ECA9	GIDC23-186	75.4	8
眍	U+2ECAA	GIDC23-187	75.4	8
眎	U+2ECAB	GIDC23-188	75.4	8
眏	U+2ECAC	GIDC23-189	75.5	9
眐	U+2ECAD	GIDC23-190	75.6	10
眑	U+2ECAE	GIDC23-191	75.6	10
眒	U+2ECAF	GIDC23-192	75.6	10
眓	U+2ECB0	GIDC23-193	75.7	11
眔	U+2ECB1	GIDC23-194	75.8	12
眕	U+2ECB2	GIDC23-195	75.8	12
眖	U+2ECB3	GIDC23-196	75.9	13
眗	U+2ECB4	GIDC23-197	75.9	13
眘	U+2ECB5	GIDC23-198	75.9	13

Glyph	Code Point	Source Reference	RS	TS
榧	U+2ECB6	GIDC23-199	75.12	16
榧	U+2ECB7	GIDC23-200	75.12	16
榧	U+2ECB8	GIDC23-201	75.15	19
榧	U+2ECB9	GIDC23-202	75.17	21
欵	U+2ECBA	GIDC23-203	76.11	15
𪛀	U+2ECBB	GIDC23-204	77.11	15
𪛁	U+2ECBC	GIDC23-205	79.4	8
𪛂	U+2ECBD	GIDC23-206	82.6	10
𪛃	U+2ECBE	GIDC23-207	82.7	11
𪛄	U+2ECBF	GIDC23-208	85.3	6
𪛅	U+2ECC0	GIDC23-209	85.4	7
𪛆	U+2ECC1	GIDC23-210	85.6	9
𪛇	U+2ECC2	GIDC23-211	85.6	9
𪛈	U+2ECC3	GIDC23-212	85.7	10
𪛉	U+2ECC4	GIDC23-213	85.8	11
𪛊	U+2ECC5	GIDC23-214	85.8	11
𪛋	U+2ECC6	GIDC23-215	85.8	11
𪛌	U+2ECC7	GIDC23-216	85.9	12
𪛍	U+2ECC8	GIDC23-217	85.9	12
𪛎	U+2ECC9	GIDC23-218	85.9	12
𪛏	U+2ECCA	GIDC23-219	85.9	12
𪛐	U+2ECCB	GIDC23-220	85.11	14

Glyph	Code Point	Source Reference	RS	TS
燦	U+2ECCC	GIDC23-221	85.11	15
漚	U+2ECCD	GIDC23-222	85.12	15
漚	U+2ECCE	GIDC23-223	85.12	17
漚	U+2ECCF	GIDC23-224	85.13	16
漚	U+2ECD0	GIDC23-225	85.13	16
漚	U+2ECD1	GIDC23-226	85.14	17
漚	U+2ECD2	GIDC23-227	85.15	18
炆	U+2ECD3	GIDC23-228	86.3	7
炆	U+2ECD4	GIDC23-229	86.3	7
炆	U+2ECD5	GIDC23-230	86.3	7
炆	U+2ECD6	GIDC23-231	86.4	8
炆	U+2ECD7	GIDC23-232	86.4	8
炆	U+2ECD8	GIDC23-233	86.4	8
炆	U+2ECD9	GIDC23-234	86.4	8
炆	U+2ECDA	GIDC23-235	86.4	8
炆	U+2ECDB	GIDC23-236	86.4	8
炆	U+2ECDC	GIDC23-237	86.5	9
炆	U+2ECDD	GIDC23-238	86.6	10
炆	U+2ECDE	GIDC23-239	86.6	10
炆	U+2ECDF	GIDC23-240	86.6	10
炆	U+2ECE0	GIDC23-241	86.6	10
炆	U+2ECE1	GIDC23-242	86.7	11

Glyph	Code Point	Source Reference	RS	TS
炆	U+2ECE2	GIDC23-243	86.7	11
炆	U+2ECE3	GIDC23-244	86.8	12
炆	U+2ECE4	GIDC23-245	86.8	12
炆	U+2ECE5	GIDC23-246	86.8	12
炆	U+2ECE6	GIDC23-247	86.8	12
炆	U+2ECE7	GIDC23-248	86.9	13
炆	U+2ECE8	GIDC23-249	86.9	13
炆	U+2ECE9	GIDC23-250	86.9	13
炆	U+2ECEA	GIDC23-251	86.9	13
炆	U+2ECEB	GIDC23-252	86.10	14
炆	U+2ECEC	GIDC23-253	86.10	14
炆	U+2ECED	GIDC23-254	86.11	15
炆	U+2ECEE	GIDC23-255	86.11	15
炆	U+2ECEf	GIDC23-256	86.13	17
炆	U+2ECF0	GIDC23-257	86.13	17
炆	U+2ECF1	GIDC23-258	93.3	7
炆	U+2ECF2	GIDC23-259	93.4	8
炆	U+2ECF3	GIDC23-260	93.8	12
炆	U+2ECF4	GIDC23-261	94.6	9
炆	U+2ECF5	GIDC23-262	94.7	10
炆	U+2ECF6	GIDC23-263	94.12	16
炆	U+2ECF7	GIDC23-264	96.3	7

Glyph	Code Point	Source Reference	RS	TS
玢	U+2ECF8	GIDC23-265	96.3	7
玣	U+2ECF9	GIDC23-266	96.3	7
玤	U+2ECFA	GIDC23-267	96.3	7
玥	U+2ECFB	GIDC23-268	96.4	8
玧	U+2ECFC	GIDC23-269	96.4	8
玨	U+2ECFD	GIDC23-270	96.4	8
玩	U+2ECFE	GIDC23-271	96.4	8
玪	U+2ECFF	GIDC23-272	96.4	8
玫	U+2ED00	GIDC23-273	96.5	9
玬	U+2ED01	GIDC23-274	96.5	9
玭	U+2ED02	GIDC23-275	96.5	9
玮	U+2ED03	GIDC23-276	96.5	9
环	U+2ED04	GIDC23-277	96.5	9
现	U+2ED05	GIDC23-278	96.5	9
玱	U+2ED06	GIDC23-279	96.6	10
玲	U+2ED07	GIDC23-280	96.6	10
玳	U+2ED08	GIDC23-281	96.6	10
玴	U+2ED09	GIDC23-282	96.6	10
玵	U+2ED0A	GIDC23-283	96.6	10
玶	U+2ED0B	GIDC23-284	96.6	10
玷	U+2ED0C	GIDC23-285	96.6	10
玸	U+2ED0D	GIDC23-286	96.6	10

Glyph	Code Point	Source Reference	RS	TS
玹	U+2ED0E	GIDC23-287	96.6	10
玺	U+2ED0F	GIDC23-288	96.7	11
玻	U+2ED10	GIDC23-289	96.7	11
玼	U+2ED11	GIDC23-290	96.7	11
玽	U+2ED12	GIDC23-291	96.7	11
玾	U+2ED13	GIDC23-292	96.7	11
玿	U+2ED14	GIDC23-293	96.7	11
珀	U+2ED15	GIDC23-294	96.7	11
珁	U+2ED16	GIDC23-295	96.8	12
珂	U+2ED17	GIDC23-296	96.8	12
珃	U+2ED18	GIDC23-297	96.8	12
珄	U+2ED19	GIDC23-298	96.8	12
珅	U+2ED1A	GIDC23-299	96.8	12
珆	U+2ED1B	GIDC23-300	96.8	12
珇	U+2ED1C	GIDC23-301	96.9	13
珈	U+2ED1D	GIDC23-302	96.9	13
珉	U+2ED1E	GIDC23-303	96.9	13
珊	U+2ED1F	GIDC23-304	96.9	13
珋	U+2ED20	GIDC23-305	96.10	14
珌	U+2ED21	GIDC23-306	96.10	14
珍	U+2ED22	GIDC23-307	96.10	14
珎	U+2ED23	GIDC23-308	96.11	15

Glyph	Code Point	Source Reference	RS	TS
環	U+2ED24	GIDC23-309	96.11	15
璈	U+2ED25	GIDC23-310	96.11	15
璉	U+2ED26	GIDC23-311	96.12	16
璊	U+2ED27	GIDC23-312	96.12	16
璋	U+2ED28	GIDC23-313	96.12	16
璎	U+2ED29	GIDC23-314	96.12	16
璏	U+2ED2A	GIDC23-315	96.12	16
璠	U+2ED2B	GIDC23-316	96.12	16
璡	U+2ED2C	GIDC23-317	96.13	17
璢	U+2ED2D	GIDC23-318	96.14	18
璣	U+2ED2E	GIDC23-319	96.14	18
璤	U+2ED2F	GIDC23-320	96.15	19
璥	U+2ED30	GIDC23-321	96.15	19
璦	U+2ED31	GIDC23-322	96.16	20
璨	U+2ED32	GIDC23-323	96.16	20
璩	U+2ED33	GIDC23-324	97.5	10
璪	U+2ED34	GIDC23-325	98.9	14
璫	U+2ED35	GIDC23-326	102.1	6
璬	U+2ED36	GIDC23-327	102.2	7
璭	U+2ED37	GIDC23-328	102.5	10
璮	U+2ED38	GIDC23-329	102.5	10
璯	U+2ED39	GIDC23-330	102.6	11

Glyph	Code Point	Source Reference	RS	TS
晁	U+2ED3A	GIDC23-331	102.7	12
暉	U+2ED3B	GIDC23-332	102.12	17
眄	U+2ED3C	GIDC23-333	109.3	8
眈	U+2ED3D	GIDC23-334	109.4	9
眊	U+2ED3E	GIDC23-335	109.8	13
看	U+2ED3F	GIDC23-336	109.8	13
県	U+2ED40	GIDC23-337	112.4	9
眍	U+2ED41	GIDC23-338	112.4	9
眎	U+2ED42	GIDC23-339	112.4	9
眏	U+2ED43	GIDC23-340	112.4	9
眐	U+2ED44	GIDC23-341	112.6	11
眑	U+2ED45	GIDC23-342	112.6	11
眒	U+2ED46	GIDC23-343	112.6	11
眓	U+2ED47	GIDC23-344	112.6	11
眔	U+2ED48	GIDC23-345	112.6	11
眕	U+2ED49	GIDC23-346	112.6	11
眖	U+2ED4A	GIDC23-347	112.6	11
眗	U+2ED4B	GIDC23-348	112.7	12
眘	U+2ED4C	GIDC23-349	112.8	13
眙	U+2ED4D	GIDC23-350	112.8	13
眚	U+2ED4E	GIDC23-351	112.8	13
眛	U+2ED4F	GIDC23-352	112.9	14

Glyph	Code Point	Source Reference	RS	TS
磈	U+2ED50	GIDC23-353	112.9	14
礪	U+2ED51	GIDC23-354	112.9	14
礪	U+2ED52	GIDC23-355	112.9	14
礪	U+2ED53	GIDC23-356	112.12	17
礪	U+2ED54	GIDC23-357	113.4	9
礪	U+2ED55	GIDC23-358	113.4	9
礪	U+2ED56	GIDC23-359	113.5	10
礪	U+2ED57	GIDC23-360	113.6	11
礪	U+2ED58	GIDC23-361	113.6	11
礪	U+2ED59	GIDC23-362	113.9	14
礪	U+2ED5A	GIDC23-363	113.9	14
礪	U+2ED5B	GIDC23-364	113.13	18
礪	U+2ED5C	GIDC23-365	115.4	9
礪	U+2ED5D	GIDC23-366	115.6	11
礪	U+2ED5E	GIDC23-367	115.7	12
礪	U+2ED5F	GIDC23-368	115.8	13
礪	U+2ED60	GIDC23-369	115.9	14
礪	U+2ED61	GIDC23-370	117.4	9
礪	U+2ED62	GIDC23-371	117.5	10
礪	U+2ED63	GIDC23-372	117.7	12
礪	U+2ED64	GIDC23-373	117.8	13
礪	U+2ED65	GIDC23-374	117.11	16

Glyph	Code Point	Source Reference	RS	TS
礪	U+2ED66	GIDC23-375	117.11	16
礪	U+2ED67	GIDC23-376	118.2	8
礪	U+2ED68	GIDC23-377	118.4	10
礪	U+2ED69	GIDC23-378	118.4	10
礪	U+2ED6A	GIDC23-379	118.5	11
礪	U+2ED6B	GIDC23-380	118.5	11
礪	U+2ED6C	GIDC23-381	118.6	12
礪	U+2ED6D	GIDC23-382	118.7	13
礪	U+2ED6E	GIDC23-383	118.7	13
礪	U+2ED6F	GIDC23-384	118.7	13
礪	U+2ED70	GIDC23-385	118.8	14
礪	U+2ED71	GIDC23-386	118.8	14
礪	U+2ED72	GIDC23-387	118.8	14
礪	U+2ED73	GIDC23-388	118.9	15
礪	U+2ED74	GIDC23-389	118.12	18
礪	U+2ED75	GIDC23-390	118.18	24
礪	U+2ED76	GIDC23-391	119.3	9
礪	U+2ED77	GIDC23-392	119.8	14
礪	U+2ED78	GIDC23-393	119.11	17
礪	U+2ED79	GIDC23-394	119.11	17
礪	U+2ED7A	GIDC23-395	120.10	16
礪	U+2ED7B	GIDC23-396	120'.3	6

Glyph	Code Point	Source Reference	RS	TS
纒	U+2ED7C	GIDC23-397	120'.5	8
縑	U+2ED7D	GIDC23-398	120'.5	8
絳	U+2ED7E	GIDC23-399	120'.7	10
縑	U+2ED7F	GIDC23-400	120'.10	13
縑	U+2ED80	GIDC23-401	120'.10	13
翹	U+2ED81	GIDC23-402	124.2	8
翹	U+2ED82	GIDC23-403	124.5	11
翹	U+2ED83	GIDC23-404	124.5	11
翹	U+2ED84	GIDC23-405	124.6	12
翹	U+2ED85	GIDC23-406	124.6	12
翹	U+2ED86	GIDC23-407	124.12	18
翹	U+2ED87	GIDC23-408	128.4	10
翹	U+2ED88	GIDC23-409	128.5	11
翹	U+2ED89	GIDC23-410	128.6	12
肺	U+2ED8A	GIDC23-411	130.4	8
肺	U+2ED8B	GIDC23-412	130.9	13
舩	U+2ED8C	GIDC23-413	137.4	10
舩	U+2ED8D	GIDC23-414	137.12	18
芑	U+2ED8E	GIDC23-415	140.2	6
芑	U+2ED8F	GIDC23-416	140.3	7
艾	U+2ED90	GIDC23-417	140.3	7
芑	U+2ED91	GIDC23-418	140.3	7

Glyph	Code Point	Source Reference	RS	TS
苳	U+2ED92	GIDC23-419	140.5	9
苳	U+2ED93	GIDC23-420	140.7	11
苳	U+2ED94	GIDC23-421	140.7	11
苳	U+2ED95	GIDC23-422	140.7	11
苳	U+2ED96	GIDC23-423	140.7	11
苳	U+2ED97	GIDC23-424	140.8	12
苳	U+2ED98	GIDC23-425	140.8	12
苳	U+2ED99	GIDC23-426	140.8	12
苳	U+2ED9A	GIDC23-427	140.9	13
苳	U+2ED9B	GIDC23-428	140.9	13
苳	U+2ED9C	GIDC23-429	140.9	13
苳	U+2ED9D	GIDC23-430	140.9	13
苳	U+2ED9E	GIDC23-431	140.10	14
苳	U+2ED9F	GIDC23-432	140.11	15
苳	U+2EDA0	GIDC23-433	140.11	15
苳	U+2EDA1	GIDC23-434	140.11	15
苳	U+2EDA2	GIDC23-435	140.11	15
苳	U+2EDA3	GIDC23-436	140.11	15
苳	U+2EDA4	GIDC23-437	140.11	15
苳	U+2EDA5	GIDC23-438	140.12	16
苳	U+2EDA6	GIDC23-439	140.12	16
苳	U+2EDA7	GIDC23-440	140.13	17

Glyph	Code Point	Source Reference	RS	TS
滿	U+2EDA8	GIDC23-441	140.14	18
蘩	U+2EDA9	GIDC23-442	140.14	18
瑾	U+2EDAA	GIDC23-443	140.15	19
藎	U+2EDAB	GIDC23-444	140.17	21
𧈧	U+2EDAC	GIDC23-445	142.3	9
𧈨	U+2EDAD	GIDC23-446	142.5	11
𧈩	U+2EDAE	GIDC23-447	142.5	11
𧈪	U+2EDAF	GIDC23-448	142.7	13
𧈫	U+2EDB0	GIDC23-449	145.4	10
𧈬	U+2EDB1	GIDC23-450	145.5	11
𧈭	U+2EDB2	GIDC23-451	145.7	13
𧈮	U+2EDB3	GIDC23-452	145.9	15
𧈯	U+2EDB4	GIDC23-453	145.17	23
𧈰	U+2EDB5	GIDC23-454	147'.6	10
𧈱	U+2EDB6	GIDC23-455	149.9	16
𧈲	U+2EDB7	GIDC23-456	149'.5	7
𧈳	U+2EDB8	GIDC23-457	149'.5	7
𧈴	U+2EDB9	GIDC23-458	149'.5	7
𧈵	U+2EDBA	GIDC23-459	149'.8	10
𧈶	U+2EDBB	GIDC23-460	149'.8	10
𧈷	U+2EDBC	GIDC23-461	149'.12	14
𧈸	U+2EDBD	GIDC23-462	151.2	9

Glyph	Code Point	Source Reference	RS	TS
𧈹	U+2EDBE	GIDC23-463	154'.1	5
𧈺	U+2EDBF	GIDC23-464	154'.5	9
𧈻	U+2EDC0	GIDC23-465	154'.7	11
𧈼	U+2EDC1	GIDC23-466	154'.7	11
𧈽	U+2EDC2	GIDC23-467	154'.10	14
𧈾	U+2EDC3	GIDC23-468	157.6	13
𧈿	U+2EDC4	GIDC23-469	157.7	14
𧉀	U+2EDC5	GIDC23-470	158.4	11
𧉁	U+2EDC6	GIDC23-471	158.5	12
𧉂	U+2EDC7	GIDC23-472	158.5	12
𧉃	U+2EDC8	GIDC23-473	159'.2	6
𧉄	U+2EDC9	GIDC23-474	159'.4	8
𧉅	U+2EDCA	GIDC23-475	159'.4	8
𧉆	U+2EDCB	GIDC23-476	159'.5	9
𧉇	U+2EDCC	GIDC23-477	159'.6	10
𧉈	U+2EDCD	GIDC23-478	159'.8	12
𧉉	U+2EDCE	GIDC23-479	159'.9	13
𧉊	U+2EDCF	GIDC23-480	159'.10	14
𧉋	U+2EDD0	GIDC23-481	162.5	9
𧉌	U+2EDD1	GIDC23-482	162.5	9
𧉍	U+2EDD2	GIDC23-483	162.7	11
𧉎	U+2EDD3	GIDC23-484	162.8	12

Glyph	Code Point	Source Reference	RS	TS
迭	U+2EDD4	GIDC23-485	162.8	12
遐	U+2EDD5	GIDC23-486	162.9	13
邈	U+2EDD6	GIDC23-487	162.10	14
邈	U+2EDD7	GIDC23-488	162.10	14
適	U+2EDD8	GIDC23-489	162.11	15
邠	U+2EDD9	GIDC23-490	163.4	7
邠	U+2EDDA	GIDC23-491	163.4	7
邡	U+2EDDB	GIDC23-492	163.7	10
邢	U+2EDDC	GIDC23-493	163.8	11
那	U+2EDDD	GIDC23-494	163.9	12
邤	U+2EDDE	GIDC23-495	163.9	12
邥	U+2EDDF	GIDC23-496	166.9	16
邦	U+2EDE0	GIDC23-497	167.5	13
邧	U+2EDE1	GIDC23-498	167.7	15
邨	U+2EDE2	GIDC23-499	167.8	16
邩	U+2EDE3	GIDC23-500	167.8	16
邪	U+2EDE4	GIDC23-501	167.11	19
邫	U+2EDE5	GIDC23-502	167.12	20
邬	U+2EDE6	GIDC23-503	167'.3	8
邭	U+2EDE7	GIDC23-504	167'.3	8
邮	U+2EDE8	GIDC23-505	167'.4	9
邯	U+2EDE9	GIDC23-506	167'.4	9

Glyph	Code Point	Source Reference	RS	TS
邰	U+2EDEA	GIDC23-507	167'.4	9
邱	U+2EDEB	GIDC23-508	167'.4	9
邲	U+2EDEC	GIDC23-509	167'.4	9
邳	U+2EDED	GIDC23-510	167'.4	9
邴	U+2EDEE	GIDC23-511	167'.4	9
邽	U+2EDEF	GIDC23-512	167'.5	10
邾	U+2EDF0	GIDC23-513	167'.5	10
邿	U+2EDF1	GIDC23-514	167'.5	10
郈	U+2EDF2	GIDC23-515	167'.5	10
郉	U+2EDF3	GIDC23-516	167'.5	10
郊	U+2EDF4	GIDC23-517	167'.5	10
郋	U+2EDF5	GIDC23-518	167'.6	11
郌	U+2EDF6	GIDC23-519	167'.6	11
郍	U+2EDF7	GIDC23-520	167'.6	11
郎	U+2EDF8	GIDC23-521	167'.6	11
郏	U+2EDF9	GIDC23-522	167'.6	11
郑	U+2EDFA	GIDC23-523	167'.7	12
郒	U+2EDFB	GIDC23-524	167'.7	12
郓	U+2EDFC	GIDC23-525	167'.7	12
郔	U+2EDFD	GIDC23-526	167'.7	12
郕	U+2EDFE	GIDC23-527	167'.7	12
郖	U+2EDFF	GIDC23-528	167'.7	12

Glyph	Code Point	Source Reference	RS	TS
𨮑	U+2EE00	GIDC23-529	167'.7	12
𨮒	U+2EE01	GIDC23-530	167'.8	13
𨮓	U+2EE02	GIDC23-531	167'.8	13
𨮔	U+2EE03	GIDC23-532	167'.8	13
𨮕	U+2EE04	GIDC23-533	167'.8	13
𨮖	U+2EE05	GIDC23-534	167'.9	14
𨮗	U+2EE06	GIDC23-535	167'.9	14
𨮘	U+2EE07	GIDC23-536	167'.9	14
𨮙	U+2EE08	GIDC23-537	167'.9	14
𨮚	U+2EE09	GIDC23-538	167'.9	14
𨮛	U+2EE0A	GIDC23-539	167'.10	15
𨮜	U+2EE0B	GIDC23-540	167'.10	15
𨮝	U+2EE0C	GIDC23-541	167'.10	15
𨮞	U+2EE0D	GIDC23-542	167'.10	15
𨮟	U+2EE0E	GIDC23-543	167'.11	16
𨮠	U+2EE0F	GIDC23-544	167'.11	16
𨮡	U+2EE10	GIDC23-545	167'.11	16
𨮢	U+2EE11	GIDC23-546	167'.11	16
𨮣	U+2EE12	GIDC23-547	167'.11	16
𨮤	U+2EE13	GIDC23-548	167'.12	17
𨮥	U+2EE14	GIDC23-549	167'.15	20
𨮦	U+2EE15	GIDC23-550	169'.6	9

Glyph	Code Point	Source Reference	RS	TS
𨮧	U+2EE16	GIDC23-551	169'.6	9
𨮨	U+2EE17	GIDC23-552	169'.8	11
𨮩	U+2EE18	GIDC23-553	169'.10	13
𨮪	U+2EE19	GIDC23-554	170.8	11
𨮫	U+2EE1A	GIDC23-555	170.9	12
𨮬	U+2EE1B	GIDC23-556	170.11	14
𨮭	U+2EE1C	GIDC23-557	173.3	11
𨮮	U+2EE1D	GIDC23-558	173.5	13
𨮯	U+2EE1E	GIDC23-559	174.6	14
𨮰	U+2EE1F	GIDC23-560	177.4	13
𨮱	U+2EE20	GIDC23-561	178'.6	10
𨮲	U+2EE21	GIDC23-562	178'.9	13
𨮳	U+2EE22	GIDC23-563	180.3	12
𨮴	U+2EE23	GIDC23-564	180.4	13
𨮵	U+2EE24	GIDC23-565	180.4	13
𨮶	U+2EE25	GIDC23-566	180.5	14
𨮷	U+2EE26	GIDC23-567	181'.3	9
𨮸	U+2EE27	GIDC23-568	181'.8	14
𨮹	U+2EE28	GIDC23-569	181'.9	15
𨮺	U+2EE29	GIDC23-570	181'.9	15
𨮻	U+2EE2A	GIDC23-571	181'.9	15
𨮼	U+2EE2B	GIDC23-572	182'.12	16

Glyph	Code Point	Source Reference	RS	TS
𪗇	U+2EE2C	GIDC23-573	183'.6	9
𪗈	U+2EE2D	GIDC23-574	184.4	12
𪗉	U+2EE2E	GIDC23-575	184.10	18
𪗊	U+2EE2F	GIDC23-576	184'.7	10
𪗋	U+2EE30	GIDC23-577	186.10	19
𪗌	U+2EE31	GIDC23-578	187.4	14
𪗍	U+2EE32	GIDC23-579	187'.3	6
𪗎	U+2EE33	GIDC23-580	187'.4	7
𪗏	U+2EE34	GIDC23-581	187'.4	7
𪗐	U+2EE35	GIDC23-582	187'.5	8
𪗑	U+2EE36	GIDC23-583	187'.6	9
𪗒	U+2EE37	GIDC23-584	187'.7	10
𪗓	U+2EE38	GIDC23-585	187'.7	10
𪗔	U+2EE39	GIDC23-586	187'.8	11
𪗕	U+2EE3A	GIDC23-587	187'.8	11
𪗖	U+2EE3B	GIDC23-588	187'.8	11
𪗗	U+2EE3C	GIDC23-589	187'.10	13
𪗘	U+2EE3D	GIDC23-590	187'.10	13
𪗙	U+2EE3E	GIDC23-591	187'.11	14
𪗚	U+2EE3F	GIDC23-592	187'.12	15
𪗛	U+2EE40	GIDC23-593	187'.12	15
𪗜	U+2EE41	GIDC23-594	193.6	16

Glyph	Code Point	Source Reference	RS	TS
𪗝	U+2EE42	GIDC23-595	195'.4	12
𪗞	U+2EE43	GIDC23-596	196'.4	8
𪗟	U+2EE44	GIDC23-597	196'.5	10
𪗠	U+2EE45	GIDC23-598	196'.8	13
𪗡	U+2EE46	GIDC23-599	196'.11	16
𪗢	U+2EE47	GIDC23-600	196'.11	16
𪗣	U+2EE48	GIDC23-601	196'.15	20
𪗤	U+2EE49	GIDC23-602	196'.16	21
𪗥	U+2EE4A	GIDC23-603	212'.10	15

**ISO/IEC JTC 1/SC 2/WG 2
PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS
FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 10646¹.**

Please fill all the sections A, B and C below.

Please read Principles and Procedures Document (P & P) from <http://std.dkuug.dk/JTC1/SC2/WG2/docs/principles.html> for guidelines and details before filling this form.

Please ensure you are using the latest Form from <http://std.dkuug.dk/JTC1/SC2/WG2/docs/summaryform.html>.

See also <http://std.dkuug.dk/JTC1/SC2/WG2/docs/roadmaps.html> for latest Roadmaps.

A. Administrative

1. Title:
2. Requester's name:
3. Requester type (Member body/Liaison/Individual contribution):
4. Submission date:
5. Requester's reference (if applicable):
6. Choose one of the following:
- This is a complete proposal:
- (or) More information will be provided later:

B. Technical – General

1. Choose one of the following:
- a. This proposal is for a new script (set of characters):
- Proposed name of script:
- b. The proposal is for addition of character(s) to an existing block:
- Name of the existing block:
2. Number of characters in proposal:
3. Proposed category (select one from below - see section 2.2 of P&P document):
- A-Contemporary B.1-Specialized (small collection) B.2-Specialized (large collection)
- C-Major extinct D-Attested extinct E-Minor extinct
- F-Archaic Hieroglyphic or Ideographic G-Obscure or questionable usage symbols
4. Is a repertoire including character names provided?
- a. If YES, are the names in accordance with the "character naming guidelines" in Annex L of P&P document?
- b. Are the character shapes attached in a legible form suitable for review?
5. Fonts related:
- a. Who will provide the appropriate computerized font to the Project Editor of 10646 for publishing the standard?
- b. Identify the party granting a license for use of the font by the editors (include address, e-mail, ftp-site, etc.):
6. References:
- a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?
- b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached?
7. Special encoding issues:
- 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)?

8. Additional Information:

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/reports/tr44/>) and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.

¹ Form number: N4502-F (Original 1994-10-14; Revised 1995-01, 1995-04, 1996-04, 1996-08, 1999-03, 2001-05, 2001-09, 2003-11, 2005-01, 2005-09, 2005-10, 2007-03, 2008-05, 2009-11, 2011-03, 2012-01)

C. Technical - Justification

1. Has this proposal for addition of character(s) been submitted before? If YES explain	No
2. Has contact been made to members of the user community (for example: National Body, user groups of the script or characters, other experts, etc.)? If YES, with whom? If YES, available relevant documents:	Yes See proposal See proposal
3. Information on the user community for the proposed characters (for example: size, demographics, information technology use, or publishing use) is included? Reference:	Yes See proposal
4. The context of use for the proposed characters (type of use; common or rare) Reference:	Rare See proposal
5. Are the proposed characters in current use by the user community? If YES, where? Reference:	Yes See proposal
6. After giving due considerations to the principles in the P&P document must the proposed characters be entirely in the BMP? If YES, is a rationale provided? If YES, reference:	No
7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?	Yes
8. Can any of the proposed characters be considered a presentation form of an existing character or character sequence? If YES, is a rationale for its inclusion provided? If YES, reference:	No
9. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters? If YES, is a rationale for its inclusion provided? If YES, reference:	No
10. Can any of the proposed character(s) be considered to be similar (in appearance or function) to, or could be confused with, an existing character? If YES, is a rationale for its inclusion provided? If YES, reference:	Yes Yes See proposal
11. Does the proposal include use of combining characters and/or use of composite sequences? If YES, is a rationale for such use provided? If YES, reference: Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided? If YES, reference:	No
12. Does the proposal contain characters with any special properties such as control function or similar semantics? If YES, describe in detail (include attachment if necessary)	No
13. Does the proposal contain any Ideographic compatibility characters? If YES, are the equivalent corresponding unified ideographic characters identified? If YES, reference:	No