

**Universal Multiple-Octet Coded Character Set**  
**International Organization for Standardization**

**Doc Type:** ISO/IEC JTC 1/SC 2

**Title:** Proposal to encode 603 urgently needed ideographs in UCS

**Authors:** Ken Lunde, USNB

**Status:** Member Body Contribution

**Action:** For consideration by SC 2

**Date:** 2023-05-01

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 USNB recommendations in [L2/23-057](#) (aka [IRG/N2591](#), [WG 2/N5201](#) and [SC 2/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.

## **UTC #175—Unicode Version 15.1**

The Unicode Technical Committee (meeting #175) discussed a proposal to encode 603 urgently needed ideographs ([L2/23-106](#) = [WG 2/N5214](#)). This proposal was also discussed by the USNB mirror to JTC 1/SC 2 (INCITS/CS&I meeting #272). In essence, a group of ideograph experts vetted the 614 ideographs in Plane 10 of the second draft of the GB 18030-2022 amendment, which resulted in a repertoire of 603 ideographs. Please see [L2/23-106](#) or [WG 2/N5214](#) for the details of the review process.

In light of the clear urgency to encode this repertoire of 603 ideographs, the UTC accepted the proposal as a new CJK Unified Ideographs Extension I block for encoding in Unicode Version 15.1 (September).

The USNB also endorses this proposal and recommends its adoption by SC 2. Details of this proposal are described below.

## **The Proposal—ISO/IEC 10646:2020 Amendment 2**

The USNB proposes that 603 urgently needed ideographs be encoded in UCS, and be added to **ISO/IEC 10646:2020 Amendment 2** as a new **CJK Unified Ideographs Extension I** block with code points **U+2EBF0..U+2EE4A** (block: U+2EBF0..U+2EE4F). The attached data file, *Unihan.txt*, includes the property data, in the form of the G-source with a new **GIDC23** source prefix, radical-stroke values, and total stroke values. The code charts can be found on pp 2 through 9, and the Proposal Summary Form can be found on pp 10 and 11.

That is all.

2EBF0 人 9.2 𠂇 GIDC23-001	2EC04 几 16.11 𠂇 GIDC23-021	2EC18 土 32.6 空 GIDC23-041	2EC2C 土 32.12 壘 GIDC23-061
2EBF1 人 9.3 𠂇 GIDC23-002	2EC05 刀 18.6 削 GIDC23-022	2EC19 土 32.6 垆 GIDC23-042	2EC2D 土 32.12 壙 GIDC23-062
2EBF2 人 9.3 𠂇 GIDC23-003	2EC06 力 19.6 勑 GIDC23-023	2EC1A 土 32.6 塲 GIDC23-043	2EC2E 土 32.13 壟 GIDC23-063
2EBF3 人 9.3 𠂇 GIDC23-004	2EC07 力 19.8 虡 GIDC23-024	2EC1B 土 32.6 举 GIDC23-044	2EC2F 土 32.13 壘 GIDC23-064
2EBF4 人 9.4 𠂇 GIDC23-005	2EC08 厂 27.6 厔 GIDC23-025	2EC1C 土 32.7 埭 GIDC23-045	2EC30 土 32.14 壚 GIDC23-065
2EBF5 人 9.4 佩 GIDC23-006	2EC09 厂 27.13 廔 GIDC23-026	2EC1D 土 32.7 埭 GIDC23-046	2EC31 土 33.3 弄 GIDC23-066
2EBF6 人 9.5 𠂇 GIDC23-007	2EC0A 又 29.4 夬 GIDC23-027	2EC1E 土 32.8 堤 GIDC23-047	2EC32 土 33.6 討 GIDC23-067
2EBF7 人 9.5 𠂇 GIDC23-008	2EC0B 口 30.4 哧 GIDC23-028	2EC1F 土 32.8 堤 GIDC23-048	2EC33 土 33.6 堍 GIDC23-068
2EBF8 人 9.8 𠂇 GIDC23-009	2EC0C 口 30.8 舒 GIDC23-029	2EC20 土 32.9 埭 GIDC23-049	2EC34 夕 34.14 酸 GIDC23-069
2EBF9 人 9.8 𠂇 GIDC23-010	2EC0D 口 30.9 啞 GIDC23-030	2EC21 土 32.9 埭 GIDC23-050	2EC35 大 37.4 关 GIDC23-070
2EBFA 人 9.8 𠂇 GIDC23-011	2EC0E 口 30.18 嘸 GIDC23-031	2EC22 土 32.9 埭 GIDC23-051	2EC36 大 37.6 奢 GIDC23-071
2EBFB 人 9.9 𠂇 GIDC23-012	2EC0F 口 31.6 囧 GIDC23-032	2EC23 土 32.9 埭 GIDC23-052	2EC37 大 37.8 魅 GIDC23-072
2EBFC 人 9.9 𠂇 GIDC23-013	2EC10 土 32.3 坊 GIDC23-033	2EC24 土 32.10 埭 GIDC23-053	2EC38 大 37.8 美 GIDC23-073
2EBFD 人 9.12 𠂇 GIDC23-014	2EC11 土 32.3 埭 GIDC23-034	2EC25 土 32.10 埭 GIDC23-054	2EC39 女 38.2 妁 GIDC23-074
2EBFE 入 11.6 𠂇 GIDC23-015	2EC12 土 32.4 埭 GIDC23-035	2EC26 土 32.11 壩 GIDC23-055	2EC3A 女 38.3 奴 GIDC23-075
2EBFF 彳 15.3 𠂇 GIDC23-016	2EC13 土 32.4 埭 GIDC23-036	2EC27 土 32.11 堍 GIDC23-056	2EC3B 女 38.4 妁 GIDC23-076
2EC00 彳 15.11 捷 GIDC23-017	2EC14 土 32.5 埭 GIDC23-037	2EC28 土 32.11 壙 GIDC23-057	2EC3C 女 38.4 妁 GIDC23-077
2EC01 彳 15.12 凌 GIDC23-018	2EC15 土 32.6 埭 GIDC23-038	2EC29 土 32.11 埭 GIDC23-058	2EC3D 女 38.4 妁 GIDC23-078
2EC02 几 16.5 𠂇 GIDC23-019	2EC16 土 32.6 埭 GIDC23-039	2EC2A 土 32.11 壘 GIDC23-059	2EC3E 女 38.5 妁 GIDC23-079
2EC03 几 16.7 𠂇 GIDC23-020	2EC17 土 32.6 埭 GIDC23-040	2EC2B 土 32.12 壙 GIDC23-060	2EC3F 女 38.5 妁 GIDC23-080

2EC40 女 38.6 婁 GIDC23-081	2EC54 女 38.11 媿 GIDC23-101	2EC68 山 46.7 崑 GIDC23-121	2EC7C 心 61.4 悞 GIDC23-141
2EC41 女 38.6 姁 GIDC23-082	2EC55 女 38.11 媯 GIDC23-102	2EC69 山 46.7 嶽 GIDC23-122	2EC7D 心 61.4 悞 GIDC23-142
2EC42 女 38.6 媮 GIDC23-083	2EC56 女 38.11 媮 GIDC23-103	2EC6A 山 46.8 嶷 GIDC23-123	2EC7E 心 61.4 悞 GIDC23-143
2EC43 女 38.6 媮 GIDC23-084	2EC57 女 38.12 媮 GIDC23-104	2EC6B 山 46.8 嶷 GIDC23-124	2EC7F 心 61.5 悞 GIDC23-144
2EC44 女 38.7 媮 GIDC23-085	2EC58 女 38.16 媮 GIDC23-105	2EC6C 山 46.8 嶷 GIDC23-125	2EC80 心 61.6 悞 GIDC23-145
2EC45 女 38.7 媮 GIDC23-086	2EC59 女 38.16 媮 GIDC23-106	2EC6D 山 46.13 嶷 GIDC23-126	2EC81 心 61.6 悞 GIDC23-146
2EC46 女 38.7 媮 GIDC23-087	2EC5A 女 38.21 媮 GIDC23-107	2EC6E 山 46.13 嶷 GIDC23-127	2EC82 心 61.7 悞 GIDC23-147
2EC47 女 38.8 媮 GIDC23-088	2EC5B 子 39.10 媮 GIDC23-108	2EC6F 巾 50.4 媮 GIDC23-128	2EC83 心 61.8 悞 GIDC23-148
2EC48 女 38.8 媮 GIDC23-089	2EC5C 宀 40.3 媮 GIDC23-109	2EC70 广 53.5 媮 GIDC23-129	2EC84 心 61.9 悞 GIDC23-149
2EC49 女 38.8 媮 GIDC23-090	2EC5D 宀 40.4 媮 GIDC23-110	2EC71 弓 57.4 媮 GIDC23-130	2EC85 心 61.9 悞 GIDC23-150
2EC4A 女 38.8 媮 GIDC23-091	2EC5E 宀 40.9 媮 GIDC23-111	2EC72 弓 57.6 媮 GIDC23-131	2EC86 心 61.10 悞 GIDC23-151
2EC4B 女 38.8 媮 GIDC23-092	2EC5F 宀 40.15 媮 GIDC23-112	2EC73 弓 57.6 媮 GIDC23-132	2EC87 心 61.10 悞 GIDC23-152
2EC4C 女 38.8 媮 GIDC23-093	2EC60 小 42.3 媮 GIDC23-113	2EC74 弓 57.6 媮 GIDC23-133	2EC88 戈 62.9 悞 GIDC23-153
2EC4D 女 38.9 媮 GIDC23-094	2EC61 小 42.5 媮 GIDC23-114	2EC75 弓 57.7 媮 GIDC23-134	2EC89 戈 62.9 悞 GIDC23-154
2EC4E 女 38.9 媮 GIDC23-095	2EC62 山 46.4 媮 GIDC23-115	2EC76 彡 59.5 媮 GIDC23-135	2EC8A 戈 62.10 悞 GIDC23-155
2EC4F 女 38.9 媮 GIDC23-096	2EC63 山 46.4 媮 GIDC23-116	2EC77 彡 60.5 媮 GIDC23-136	2EC8B 手 64.3 悞 GIDC23-156
2EC50 女 38.10 媮 GIDC23-097	2EC64 山 46.5 媮 GIDC23-117	2EC78 彡 60.8 媮 GIDC23-137	2EC8C 手 64.4 悞 GIDC23-157
2EC51 女 38.10 媮 GIDC23-098	2EC65 山 46.5 媮 GIDC23-118	2EC79 彡 60.9 媮 GIDC23-138	2EC8D 手 64.7 悞 GIDC23-158
2EC52 女 38.11 媮 GIDC23-099	2EC66 山 46.6 媮 GIDC23-119	2EC7A 彡 60.12 媮 GIDC23-139	2EC8E 手 64.10 悞 GIDC23-159
2EC53 女 38.11 媮 GIDC23-100	2EC67 山 46.6 媮 GIDC23-120	2EC7B 心 61.3 媮 GIDC23-140	2EC8F 手 64.11 悞 GIDC23-160

2EC90 支 66.5 𠂇 GIDC23-161	2ECA4 日 72.11 瞠 GIDC23-181	2ECB8 木 75.15 櫟 GIDC23-201	2ECCC 水 85.11 灈 GIDC23-221
2EC91 支 66.6 𠂈 GIDC23-162	2ECA5 日 72.12 瞪 GIDC23-182	2ECB9 木 75.17 櫟 GIDC23-202	2ECCD 水 85.12 灈 GIDC23-222
2EC92 支 66.7 𠂉 GIDC23-163	2ECA6 月 74.5 肸 GIDC23-183	2ECBA 欠 76.11 𠂊 GIDC23-203	2ECCE 水 85.12 灈 GIDC23-223
2EC93 文 67.5 𠂊 GIDC23-164	2ECA7 月 74.6 𠂋 GIDC23-184	2ECBB 止 77.11 𠂌 GIDC23-204	2ECCF 水 85.13 灈 GIDC23-224
2EC94 文 67.8 𠂋 GIDC23-165	2ECA8 月 74.6 𠂌 GIDC23-185	2ECBC 爻 79.4 𠂍 GIDC23-205	2ECD0 水 85.13 灈 GIDC23-225
2EC95 方 70.8 𠂌 GIDC23-166	2ECA9 木 75.4 𠂍 GIDC23-186	2ECBD 毛 82.6 𠂎 GIDC23-206	2ECD1 水 85.14 灈 GIDC23-226
2EC96 方 70.8 𠂍 GIDC23-167	2ECAA 木 75.4 𠂎 GIDC23-187	2ECBE 毛 82.7 𠂏 GIDC23-207	2ECD2 水 85.15 灈 GIDC23-227
2EC97 日 72.3 𠂎 GIDC23-168	2ECAB 木 75.4 𠂏 GIDC23-188	2ECBF 水 85.3 𠂐 GIDC23-208	2ECD3 火 86.3 𠂑 GIDC23-228
2EC98 日 72.3 𠂏 GIDC23-169	2ECAC 木 75.5 𠂐 GIDC23-189	2ECC0 水 85.4 𠂑 GIDC23-209	2ECD4 火 86.3 𠂒 GIDC23-229
2EC99 日 72.4 𠂐 GIDC23-170	2ECAD 木 75.6 𠂑 GIDC23-190	2ECC1 水 85.6 𠂒 GIDC23-210	2ECD5 火 86.3 𠂓 GIDC23-230
2EC9A 日 72.4 𠂑 GIDC23-171	2ECAE 木 75.6 𠂒 GIDC23-191	2ECC2 水 85.6 𠂓 GIDC23-211	2ECD6 火 86.4 𠂔 GIDC23-231
2EC9B 日 72.5 𠂒 GIDC23-172	2ECAF 木 75.6 𠂓 GIDC23-192	2ECC3 水 85.7 𠂔 GIDC23-212	2ECD7 火 86.4 𠂕 GIDC23-232
2EC9C 日 72.6 𠂓 GIDC23-173	2ECB0 木 75.7 𠂔 GIDC23-193	2ECC4 水 85.8 𠂕 GIDC23-213	2ECD8 火 86.4 𠂖 GIDC23-233
2EC9D 日 72.6 𠂔 GIDC23-174	2ECB1 木 75.8 𠂕 GIDC23-194	2ECC5 水 85.8 𠂖 GIDC23-214	2ECD9 火 86.4 𠂗 GIDC23-234
2EC9E 日 72.6 𠂕 GIDC23-175	2ECB2 木 75.8 𠂖 GIDC23-195	2ECC6 水 85.8 𠂗 GIDC23-215	2ECDA 火 86.4 𠂘 GIDC23-235
2EC9F 日 72.8 𠂖 GIDC23-176	2ECB3 木 75.9 𠂗 GIDC23-196	2ECC7 水 85.9 𠂘 GIDC23-216	2ECDB 火 86.4 𠂙 GIDC23-236
2ECA0 日 72.9 𠂗 GIDC23-177	2ECB4 木 75.9 𠂘 GIDC23-197	2ECC8 水 85.9 𠂙 GIDC23-217	2ECDC 火 86.5 𠂚 GIDC23-237
2ECA1 日 72.10 𠂘 GIDC23-178	2ECB5 木 75.9 𠂙 GIDC23-198	2ECC9 水 85.9 𠂚 GIDC23-218	2ECDD 火 86.6 𠂛 GIDC23-238
2ECA2 日 72.10 𠂙 GIDC23-179	2ECB6 木 75.12 𠂚 GIDC23-199	2ECCA 水 85.9 𠂛 GIDC23-219	2ECDE 火 86.6 𠂜 GIDC23-239
2ECA3 日 72.10 𠂚 GIDC23-180	2ECB7 木 75.12 𠂛 GIDC23-200	2ECCB 水 85.11 𠂜 GIDC23-220	2ECDF 火 86.6 𠂝 GIDC23-240

2ECE0 火 86.6	煨 GIDC23-241	2ECF4 犬 94.6	狃 GIDC23-261	2ED08 玉 96.6	瑛 GIDC23-281	2ED1C 玉 96.9	瓊 GIDC23-301
2ECE1 火 86.7	煨 GIDC23-242	2ECF5 犬 94.7	狃 GIDC23-262	2ED09 玉 96.6	瑛 GIDC23-282	2ED1D 玉 96.9	瓊 GIDC23-302
2ECE2 火 86.7	煨 GIDC23-243	2ECF6 犬 94.12	狃 GIDC23-263	2ED0A 玉 96.6	瑛 GIDC23-283	2ED1E 玉 96.9	瓊 GIDC23-303
2ECE3 火 86.8	煨 GIDC23-244	2ECF7 玉 96.3	玊 GIDC23-264	2ED0B 玉 96.6	瑛 GIDC23-284	2ED1F 玉 96.9	瓊 GIDC23-304
2ECE4 火 86.8	煨 GIDC23-245	2ECF8 玉 96.3	玊 GIDC23-265	2ED0C 玉 96.6	瑛 GIDC23-285	2ED20 玉 96.10	瓊 GIDC23-305
2ECE5 火 86.8	煨 GIDC23-246	2ECF9 玉 96.3	玊 GIDC23-266	2ED0D 玉 96.6	瑛 GIDC23-286	2ED21 玉 96.10	瓊 GIDC23-306
2ECE6 火 86.8	煨 GIDC23-247	2ECFA 玉 96.3	玊 GIDC23-267	2ED0E 玉 96.6	瑛 GIDC23-287	2ED22 玉 96.10	瓊 GIDC23-307
2ECE7 火 86.9	煨 GIDC23-248	2ECFB 玉 96.4	玊 GIDC23-268	2ED0F 玉 96.7	瑛 GIDC23-288	2ED23 玉 96.11	瓊 GIDC23-308
2ECE8 火 86.9	煨 GIDC23-249	2ECFC 玉 96.4	玊 GIDC23-269	2ED10 玉 96.7	瑛 GIDC23-289	2ED24 玉 96.11	瓊 GIDC23-309
2ECE9 火 86.9	煨 GIDC23-250	2ECFD 玉 96.4	玊 GIDC23-270	2ED11 玉 96.7	瑛 GIDC23-290	2ED25 玉 96.11	瓊 GIDC23-310
2ECEA 火 86.9	煨 GIDC23-251	2ECFE 玉 96.4	玊 GIDC23-271	2ED12 玉 96.7	瑛 GIDC23-291	2ED26 玉 96.12	瓊 GIDC23-311
2ECEB 火 86.10	煨 GIDC23-252	2ECFF 玉 96.4	玊 GIDC23-272	2ED13 玉 96.7	瑛 GIDC23-292	2ED27 玉 96.12	瓊 GIDC23-312
2ECEC 火 86.10	煨 GIDC23-253	2ED00 玉 96.5	玊 GIDC23-273	2ED14 玉 96.7	瑛 GIDC23-293	2ED28 玉 96.12	瓊 GIDC23-313
2ECED 火 86.11	煨 GIDC23-254	2ED01 玉 96.5	玊 GIDC23-274	2ED15 玉 96.7	瑛 GIDC23-294	2ED29 玉 96.12	瓊 GIDC23-314
2ECEE 火 86.11	煨 GIDC23-255	2ED02 玉 96.5	玊 GIDC23-275	2ED16 玉 96.8	瑛 GIDC23-295	2ED2A 玉 96.12	瓊 GIDC23-315
2ECEF 火 86.13	煨 GIDC23-256	2ED03 玉 96.5	玊 GIDC23-276	2ED17 玉 96.8	瑛 GIDC23-296	2ED2B 玉 96.12	瓊 GIDC23-316
2ECF0 火 86.13	煨 GIDC23-257	2ED04 玉 96.5	玊 GIDC23-277	2ED18 玉 96.8	瑛 GIDC23-297	2ED2C 玉 96.13	瓊 GIDC23-317
2ECF1 牛 93.3	犏 GIDC23-258	2ED05 玉 96.5	玊 GIDC23-278	2ED19 玉 96.8	瑛 GIDC23-298	2ED2D 玉 96.14	瓊 GIDC23-318
2ECF2 牛 93.4	犏 GIDC23-259	2ED06 玉 96.6	玊 GIDC23-279	2ED1A 玉 96.8	瑛 GIDC23-299	2ED2E 玉 96.14	瓊 GIDC23-319
2ECF3 牛 93.8	犏 GIDC23-260	2ED07 玉 96.6	玊 GIDC23-280	2ED1B 玉 96.8	瑛 GIDC23-300	2ED2F 玉 96.15	瓊 GIDC23-320

2ED30 玉 96.15 瓊 GIDC23-321	2ED44 石 112.6 砧 GIDC23-341	2ED58 示 113.6 裨 GIDC23-361	2ED6C 竹 118.6 筭 GIDC23-381
2ED31 玉 96.16 璿 GIDC23-322	2ED45 石 112.6 堊 GIDC23-342	2ED59 示 113.9 禡 GIDC23-362	2ED6D 竹 118.7 筴 GIDC23-382
2ED32 玉 96.16 璣 GIDC23-323	2ED46 石 112.6 礪 GIDC23-343	2ED5A 示 113.9 禳 GIDC23-363	2ED6E 竹 118.7 筴 GIDC23-383
2ED33 瓜 97.5 瓠 GIDC23-324	2ED47 石 112.6 甓 GIDC23-344	2ED5B 示 113.13 禴 GIDC23-364	2ED6F 竹 118.7 筴 GIDC23-384
2ED34 瓦 98.9 甌 GIDC23-325	2ED48 石 112.6 礪 GIDC23-345	2ED5C 禾 115.4 稭 GIDC23-365	2ED70 竹 118.8 筴 GIDC23-385
2ED35 田 102.1 畎 GIDC23-326	2ED49 石 112.6 砭 GIDC23-346	2ED5D 禾 115.6 稭 GIDC23-366	2ED71 竹 118.8 筴 GIDC23-386
2ED36 田 102.2 𪔵 GIDC23-327	2ED4A 石 112.6 碧 GIDC23-347	2ED5E 禾 115.7 稭 GIDC23-367	2ED72 竹 118.8 筴 GIDC23-387
2ED37 田 102.5 畎 GIDC23-328	2ED4B 石 112.7 砭 GIDC23-348	2ED5F 禾 115.8 稭 GIDC23-368	2ED73 竹 118.9 筴 GIDC23-388
2ED38 田 102.5 𪔵 GIDC23-329	2ED4C 石 112.8 砭 GIDC23-349	2ED60 禾 115.9 稭 GIDC23-369	2ED74 竹 118.12 筴 GIDC23-389
2ED39 田 102.6 𪔵 GIDC23-330	2ED4D 石 112.8 砭 GIDC23-350	2ED61 立 117.4 竝 GIDC23-370	2ED75 竹 118.18 籩 GIDC23-390
2ED3A 田 102.7 𪔵 GIDC23-331	2ED4E 石 112.8 砭 GIDC23-351	2ED62 立 117.5 竝 GIDC23-371	2ED76 米 119.3 籩 GIDC23-391
2ED3B 田 102.12 𪔵 GIDC23-332	2ED4F 石 112.9 砭 GIDC23-352	2ED63 立 117.7 竝 GIDC23-372	2ED77 米 119.8 籩 GIDC23-392
2ED3C 目 109.3 𪔵 GIDC23-333	2ED50 石 112.9 砭 GIDC23-353	2ED64 立 117.8 竝 GIDC23-373	2ED78 米 119.11 籩 GIDC23-393
2ED3D 目 109.4 𪔵 GIDC23-334	2ED51 石 112.9 礪 GIDC23-354	2ED65 立 117.11 竝 GIDC23-374	2ED79 米 119.11 籩 GIDC23-394
2ED3E 目 109.8 𪔵 GIDC23-335	2ED52 石 112.9 礪 GIDC23-355	2ED66 立 117.11 竝 GIDC23-375	2ED7A 糸 120.10 絜 GIDC23-395
2ED3F 目 109.8 𪔵 GIDC23-336	2ED53 石 112.12 礪 GIDC23-356	2ED67 竹 118.2 筴 GIDC23-376	2ED7B 糸 120.3 絜 GIDC23-396
2ED40 石 112.4 砭 GIDC23-337	2ED54 示 113.4 禡 GIDC23-357	2ED68 竹 118.4 筴 GIDC23-377	2ED7C 糸 120.5 絜 GIDC23-397
2ED41 石 112.4 砭 GIDC23-338	2ED55 示 113.4 禡 GIDC23-358	2ED69 竹 118.4 筴 GIDC23-378	2ED7D 糸 120.5 絜 GIDC23-398
2ED42 石 112.4 砭 GIDC23-339	2ED56 示 113.5 禡 GIDC23-359	2ED6A 竹 118.5 筴 GIDC23-379	2ED7E 糸 120.7 絜 GIDC23-399
2ED43 石 112.4 砭 GIDC23-340	2ED57 示 113.6 禡 GIDC23-360	2ED6B 竹 118.5 筴 GIDC23-380	2ED7F 糸 120.10 絜 GIDC23-400

2ED80 纟 120.10 绂 GIDC23-401	2ED94 艸 140.7 苓 GIDC23-421	2EDA8 艸 140.14 蒹 GIDC23-441	2EDBC 讠 149.12 讠 GIDC23-461
2ED81 羽 124.2 翹 GIDC23-402	2ED95 艸 140.7 蒨 GIDC23-422	2EDA9 艸 140.14 蒨 GIDC23-442	2EDBD 豆 151.2 豆 GIDC23-462
2ED82 羽 124.5 翬 GIDC23-403	2ED96 艸 140.7 蒨 GIDC23-423	2EDAA 艸 140.15 蒨 GIDC23-443	2EDBE 贝 154.1 贝 GIDC23-463
2ED83 羽 124.5 翬 GIDC23-404	2ED97 艸 140.8 蒨 GIDC23-424	2EDAB 艸 140.17 蒨 GIDC23-444	2EDBF 贝 154.5 贝 GIDC23-464
2ED84 羽 124.6 翬 GIDC23-405	2ED98 艸 140.8 蒨 GIDC23-425	2EDAC 虫 142.3 虫 GIDC23-445	2EDC0 贝 154.7 贝 GIDC23-465
2ED85 羽 124.6 翬 GIDC23-406	2ED99 艸 140.8 蒨 GIDC23-426	2EDAD 虫 142.5 虫 GIDC23-446	2EDC1 贝 154.7 贝 GIDC23-466
2ED86 羽 124.12 翬 GIDC23-407	2ED9A 艸 140.9 蒨 GIDC23-427	2EDAE 虫 142.5 虫 GIDC23-447	2EDC2 贝 154.10 贝 GIDC23-467
2ED87 耳 128.4 聃 GIDC23-408	2ED9B 艸 140.9 蒨 GIDC23-428	2EDAF 虫 142.7 虫 GIDC23-448	2EDC3 足 157.6 足 GIDC23-468
2ED88 耳 128.5 聃 GIDC23-409	2ED9C 艸 140.9 蒨 GIDC23-429	2EDB0 衣 145.4 衣 GIDC23-449	2EDC4 足 157.7 足 GIDC23-469
2ED89 耳 128.6 聃 GIDC23-410	2ED9D 艸 140.9 蒨 GIDC23-430	2EDB1 衣 145.5 衣 GIDC23-450	2EDC5 身 158.4 身 GIDC23-470
2ED8A 肉 130.4 肱 GIDC23-411	2ED9E 艸 140.10 蒨 GIDC23-431	2EDB2 衣 145.7 衣 GIDC23-451	2EDC6 身 158.5 身 GIDC23-471
2ED8B 肉 130.9 肱 GIDC23-412	2ED9F 艸 140.11 蒨 GIDC23-432	2EDB3 衣 145.9 衣 GIDC23-452	2EDC7 身 158.5 身 GIDC23-472
2ED8C 舟 137.4 舩 GIDC23-413	2EDA0 艸 140.11 蒨 GIDC23-433	2EDB4 衣 145.17 衣 GIDC23-453	2EDC8 车 159.2 车 GIDC23-473
2ED8D 舟 137.12 舩 GIDC23-414	2EDA1 艸 140.11 蒨 GIDC23-434	2EDB5 见 147.6 见 GIDC23-454	2EDC9 车 159.4 车 GIDC23-474
2ED8E 艸 140.2 芑 GIDC23-415	2EDA2 艸 140.11 蒨 GIDC23-435	2EDB6 言 149.9 言 GIDC23-455	2EDCA 车 159.4 车 GIDC23-475
2ED8F 艸 140.3 芑 GIDC23-416	2EDA3 艸 140.11 蒨 GIDC23-436	2EDB7 讠 149.5 讠 GIDC23-456	2EDCB 车 159.5 车 GIDC23-476
2ED90 艸 140.3 艾 GIDC23-417	2EDA4 艸 140.11 蒨 GIDC23-437	2EDB8 讠 149.5 讠 GIDC23-457	2EDCC 车 159.6 车 GIDC23-477
2ED91 艸 140.3 芑 GIDC23-418	2EDA5 艸 140.12 蒨 GIDC23-438	2EDB9 讠 149.5 讠 GIDC23-458	2EDCD 车 159.8 车 GIDC23-478
2ED92 艸 140.5 芑 GIDC23-419	2EDA6 艸 140.12 蒨 GIDC23-439	2EDBA 讠 149.8 讠 GIDC23-459	2EDCE 车 159.9 车 GIDC23-479
2ED93 艸 140.7 芑 GIDC23-420	2EDA7 艸 140.13 蒨 GIDC23-440	2EDBB 讠 149.8 讠 GIDC23-460	2EDCF 车 159.10 车 GIDC23-480

2EDD0 辵 162.5 逌 GIDC23-481	2EDE4 金 167.11 鏹 GIDC23-501	2EDF8 钅 167.6 钶 GIDC23-521	2EE0C 钅 167.10 鎧 GIDC23-541
2EDD1 辵 162.5 逌 GIDC23-482	2EDE5 金 167.12 鏹 GIDC23-502	2EDF9 钅 167.6 钶 GIDC23-522	2EE0D 钅 167.10 鎧 GIDC23-542
2EDD2 辵 162.7 逌 GIDC23-483	2EDE6 钅 167.3 钶 GIDC23-503	2EDFA 钅 167.7 钶 GIDC23-523	2EE0E 钅 167.11 鎧 GIDC23-543
2EDD3 辵 162.8 逌 GIDC23-484	2EDE7 钅 167.3 钶 GIDC23-504	2EDFB 钅 167.7 钶 GIDC23-524	2EE0F 钅 167.11 鎧 GIDC23-544
2EDD4 辵 162.8 逌 GIDC23-485	2EDE8 钅 167.4 钶 GIDC23-505	2EDFC 钅 167.7 钶 GIDC23-525	2EE10 钅 167.11 鎧 GIDC23-545
2EDD5 辵 162.9 逌 GIDC23-486	2EDE9 钅 167.4 钶 GIDC23-506	2EDFD 钅 167.7 钶 GIDC23-526	2EE11 钅 167.11 鎧 GIDC23-546
2EDD6 辵 162.10 逌 GIDC23-487	2EDEA 钅 167.4 钶 GIDC23-507	2EDFE 钅 167.7 钶 GIDC23-527	2EE12 钅 167.11 鎧 GIDC23-547
2EDD7 辵 162.10 逌 GIDC23-488	2EDEB 钅 167.4 钶 GIDC23-508	2EDFF 钅 167.7 钶 GIDC23-528	2EE13 钅 167.12 鎧 GIDC23-548
2EDD8 辵 162.11 逌 GIDC23-489	2EDEC 钅 167.4 钶 GIDC23-509	2EE00 钅 167.7 钶 GIDC23-529	2EE14 钅 167.15 鎧 GIDC23-549
2EDD9 邑 163.4 邲 GIDC23-490	2EDED 钅 167.4 钶 GIDC23-510	2EE01 钅 167.8 钶 GIDC23-530	2EE15 门 169.6 閿 GIDC23-550
2EDDA 邑 163.4 邲 GIDC23-491	2EDEE 钅 167.4 钶 GIDC23-511	2EE02 钅 167.8 钶 GIDC23-531	2EE16 门 169.6 閿 GIDC23-551
2EDDB 邑 163.7 邲 GIDC23-492	2EDEF 钅 167.5 钶 GIDC23-512	2EE03 钅 167.8 钶 GIDC23-532	2EE17 门 169.8 閿 GIDC23-552
2EDDC 邑 163.8 邲 GIDC23-493	2EDF0 钅 167.5 钶 GIDC23-513	2EE04 钅 167.8 钶 GIDC23-533	2EE18 门 169.10 閿 GIDC23-553
2EDDD 邑 163.9 邲 GIDC23-494	2EDF1 钅 167.5 钶 GIDC23-514	2EE05 钅 167.9 钶 GIDC23-534	2EE19 阜 170.8 隄 GIDC23-554
2EDDE 邑 163.9 邲 GIDC23-495	2EDF2 钅 167.5 钶 GIDC23-515	2EE06 钅 167.9 钶 GIDC23-535	2EE1A 阜 170.9 隄 GIDC23-555
2EDDF 里 166.9 𨛵 GIDC23-496	2EDF3 钅 167.5 钶 GIDC23-516	2EE07 钅 167.9 钶 GIDC23-536	2EE1B 阜 170.11 隄 GIDC23-556
2EDE0 金 167.5 鏹 GIDC23-497	2EDF4 钅 167.5 钶 GIDC23-517	2EE08 钅 167.9 钶 GIDC23-537	2EE1C 雨 173.3 霰 GIDC23-557
2EDE1 金 167.7 鏹 GIDC23-498	2EDF5 钅 167.6 钶 GIDC23-518	2EE09 钅 167.9 钶 GIDC23-538	2EE1D 雨 173.5 霰 GIDC23-558
2EDE2 金 167.8 鏹 GIDC23-499	2EDF6 钅 167.6 钶 GIDC23-519	2EE0A 钅 167.10 钶 GIDC23-539	2EE1E 青 174.6 靛 GIDC23-559
2EDE3 金 167.8 鏹 GIDC23-500	2EDF7 钅 167.6 钶 GIDC23-520	2EE0B 钅 167.10 钶 GIDC23-540	2EE1F 革 177.4 鞞 GIDC23-560



2EE20 韦 178.6 𨾏 GIDC23-561	2EE34 马 187.4 𨾏 GIDC23-581	2EE48 鸟 196.15 𨾏 GIDC23-601
2EE21 韦 178.9 𨾏 GIDC23-562	2EE35 马 187.5 𨾏 GIDC23-582	2EE49 鸟 196.16 𨾏 GIDC23-602
2EE22 音 180.3 𨾏 GIDC23-563	2EE36 马 187.6 𨾏 GIDC23-583	2EE4A 龙 212.10 𨾏 GIDC23-603
2EE23 音 180.4 𨾏 GIDC23-564	2EE37 马 187.7 𨾏 GIDC23-584	
2EE24 音 180.4 𨾏 GIDC23-565	2EE38 马 187.7 𨾏 GIDC23-585	
2EE25 音 180.5 𨾏 GIDC23-566	2EE39 马 187.8 𨾏 GIDC23-586	
2EE26 页 181.3 𨾏 GIDC23-567	2EE3A 马 187.8 𨾏 GIDC23-587	
2EE27 页 181.8 𨾏 GIDC23-568	2EE3B 马 187.8 𨾏 GIDC23-588	
2EE28 页 181.9 𨾏 GIDC23-569	2EE3C 马 187.10 𨾏 GIDC23-589	
2EE29 页 181.9 𨾏 GIDC23-570	2EE3D 马 187.10 𨾏 GIDC23-590	
2EE2A 页 181.9 𨾏 GIDC23-571	2EE3E 马 187.11 𨾏 GIDC23-591	
2EE2B 风 182.12 𨾏 GIDC23-572	2EE3F 马 187.12 𨾏 GIDC23-592	
2EE2C 飞 183.6 𨾏 GIDC23-573	2EE40 马 187.12 𨾏 GIDC23-593	
2EE2D 食 184.4 𨾏 GIDC23-574	2EE41 鬲 193.6 𨾏 GIDC23-594	
2EE2E 食 184.10 𨾏 GIDC23-575	2EE42 鱼 195.4 𨾏 GIDC23-595	
2EE2F 彳 184.7 𨾏 GIDC23-576	2EE43 鸟 196.4 𨾏 GIDC23-596	
2EE30 香 186.10 𨾏 GIDC23-577	2EE44 鸟 196.5 𨾏 GIDC23-597	
2EE31 馬 187.4 𨾏 GIDC23-578	2EE45 鸟 196.8 𨾏 GIDC23-598	
2EE32 马 187.3 𨾏 GIDC23-579	2EE46 鸟 196.11 𨾏 GIDC23-599	
2EE33 马 187.4 𨾏 GIDC23-580	2EE47 鸟 196.11 𨾏 GIDC23-600	

**ISO/IEC JTC 1/SC 2/WG 2  
PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS  
FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 10646<sup>1</sup>**

**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.

<sup>1</sup> 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