

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

Doc Type: ISO/IEC JTC1/SC2/WG2/IRG

Title: US/Unicode Activity Report for IRG #56

Source: Ken Lunde

Status: Member Body Contribution

Action: None

Date: 2021-02-05

The UTC and others in the US have been involved in the following activities since IRG #53 took place (IRG #54 and IRG #55 were canceled):

1. [Unicode Version 13.0](#) was released on 2020-03-10, which includes Extension G (aka IRG Working Set 2015) in [Plane 3](#) (aka Tertiary Ideographic Plane or TIP) with 4,939 CJK Unified Ideographs, along with 30 additional CJK Unified Ideographs appended to the URO (13), Extension A (10), and Extension B (7). New Unihan database properties include *kSpoofingVariant*, *kTGHZ2013*, *kUnihanCore2020*, *kIRG_SSource*, and *kIRG_UKSource*. The latter two properties were split from the existing *kIRG_USource* property. The Core Specification is available free in [PDF](#) (14MB) and for purchase as [Print-on-Demand](#) (POD).
2. Work on [Unicode Version 14.0](#) is well underway, and is scheduled to be released on 2021-09-21. In addition to the new Unihan database property *kStrange*, which is already documented in [UTN #43](#), please note that eight additional CJK Unified Ideographs, which resulted from UNC proposals (see IRG N2430R, IRG N2433R, IRG N2439, IRG N2441, and IRG N2446) and the disunification of U+3B3F 𠮟 (see IRG N2443) and U+722B 𠮟 (see IRG N2434), have been tentatively appended to the URO (3), Extension B (2), and Extension C (3). **Any objections to these UNCs or disunifications need to be discussed during IRG #56.** Below are the relevant changes and additions, with UNCs highlighted in green and disunifications highlighted in red, and with document numbers and notes as comments:

U+3B3F	kIRG_VSource	VU-03B3F	# IRG N2443; Previously V2-8166
U+722B	kIRG_VSource	VU-0722B	# IRG N2434; Previously V0-3D5B
U+9FFD	kIRG_MSource	MC-00134	# IRG N2430R
U+9FFD	kRSUnicode	30.10	
U+9FFD	kTotalStrokes	13	
U+9FFE	kIRG_GSource	GDM-00031	# IRG N2441
U+9FFE	kIRG_MSource	MC-00139	# IRG N2430R
U+9FFE	kIRG_USource	UTC-03009	# IRG N2439
U+9FFE	kRSUnicode	32.9	
U+9FFE	kTotalStrokes	12	
U+9FFF	kIRG_GSource	GDM-00085	# IRG N2441
U+9FFF	kIRG_MSource	MC-00137	# IRG N2430R
U+9FFF	kIRG_USource	UTC-02993	# IRG N2439
U+9FFF	kRSUnicode	85.9	
U+9FFF	kTotalStrokes	14	
U+2A6DE	kIRG_MSource	MC-00136	# IRG N2430R
U+2A6DE	kIRG_TSource	TC-662B	# IRG N2433R
U+2A6DE	kRSUnicode	96.10	
U+2A6DE	kTotalStrokes	14	

U+2A6DF	kIRG_MSource	MC-00138	# IRG N2430R
U+2A6DF	kRSUnicode	109.4	
U+2A6DF	kTotalStrokes	9	
U+2B735	kIRG_VSource	V0-3D5B	# IRG N2434; Moved from U+722B
U+2B735	kRSUnicode	4.3	
U+2B735	kTotalStrokes	4	
U+2B736	kIRG_USource	UTC-00732	# IRG N2443; Moved from U+3B3F
U+2B736	kIRG_VSource	V2-8166	# IRG N2443; Moved from U+3B3F
U+2B736	kRSUnicode	130.12	
U+2B736	kTotalStrokes	16	
U+2B737	kIRG_GSource	GDM-00221	# IRG N2446
U+2B737	kRSUnicode	163.7	
U+2B737	kTotalStrokes	10	

See pp 3 through 7 of this document for Unicode Version 14.0 Alpha code chart excerpts that show these changes and additions in context.

- The UTC is in the process of overhauling the *kCantonese* property to provide a single Cantonese reading for the purpose of CLDR collation and transliteration like the *kMandarin* property provides for Mandarin readings. This overhaul is targeted for Unicode Version 14.0. The current status is that there are now over 29,000 ideographs with single readings that have been deemed reliable, which are reflected in [Draft 3 of the Unihan database for Unicode Version 14.0](#) (click the *Unihan-14.0.0d3.zip* file to download, then unzip). What remains is to check approximately 2,500 ideographs with uncertain readings. John Jenkins posted the list of ideographs to the *#cantonese* channel in Unicode's Slack workspace, which is pinned for easy discovery. For those who may be interested in helping with this effort, please contact John Jenkins or request to join Unicode's Slack workspace.
- Per instructions from the IRG Chief Editor, UTC experts reviewed the UTC-assigned portions of [IRG Working Set 2017](#) Versions 5.0 and 5.1, and submitted comments and responded to comments via the online review tool.
- In terms of the next IRG Working Set, the UTC has collected 155 ideographs thus far for inclusion in its submission.
- The UTC recently formed the *CJK & Unihan Group* that is tasked to review CJK- and Unihan-related proposals, PRI (*Public Review Issue*) feedback, and other public feedback, and to provide recommendations for the UTC. Ken Lunde serves as the Chair, and John Jenkins serves as the Vice-Chair. See [L2/20-106R](#), [L2/20-168](#), [L2/20-235](#), and [L2/21-015](#) for the CJK & Unihan Group recommendations that were prepared for UTC #163, UTC #164, UTC #165, and UTC #166, respectively. IRG experts are encouraged to join the UTC's CJK & Unihan Group, which meets four times per year as a virtual Zoom meeting. The next CJK & Unihan Group meeting, in preparation for UTC #166, is scheduled to take place on 2021-04-16 from 6 to 9PM PDT (GMT minus 7).
- [IUC44](#) (*44th Internationalization & Unicode Conference*) took place from 2020-10-14 through 2020-10-16 as a virtual conference.

That is all.

3B20 日 72.13 𦉳 𦉳 𦉳 G5-4A32 T3-5473 K4-006A	3B33 月 74.4 𦉳 𦉳 𦉳 GKX-0504.30 T3-2944 K3-275B	3B46 木 75.3 𦉳 K3-2764
3B21 日 72.13 𦉳 𦉳 GKX-0500.37 T3-546E	3B34 月 74.6 𦉳 𦉳 𦉳 GKX-0505.12 T3-314E K3-275C	3B47 木 75.4 𦉳 𦉳 G5-434F T3-294B
3B22 日 72.13 𦉳 𦉳 𦉳 GKX-0500.42 T4-5640 JA3-7549	3B35 月 74.6 𦉳 𦉳 𦉳 GKX-0505.21 T5-2E25 JA-2370	3B48 木 75.4 𦉳 𦉳 G5-434D T3-2946
3B23 日 72.14 𦉳 𦉳 G3-4763 T4-5B40	3B36 月 74.7 𦉳 𦉳 𦉳 GKX-0506.01 T3-3649 JA-2371	3B49 木 75.4 𦉳 𦉳 𦉳 G5-6748 TF-274C K3-2765
3B24 日 72.14 𦉳 G3-4836	3B37 月 74.7 𦉳 GS-2146	3B4A 木 75.4 𦉳 𦉳 G5-4346 T3-2950
3B25 日 72.14 𦉳 𦉳 𦉳 G5-4A33 T4-5B41 JA-236D	3B38 月 74.8 𦉳 𦉳 GKX-0506.15 T3-3C28	3B4B 木 75.4 𦉳 𦉳 GKX-0516.14 T3-294D
3B26 日 72.14 𦉳 𦉳 𦉳 G5-4A30 T4-5B3F JA-236E	3B39 肉 130.8 𦉳 𦉳 𦉳 GS-2140 T4-3A43 H-997B	3B4C 木 75.4 𦉳 𦉳 𦉳 GKX-0516.15 T5-2651 JA-2375
3B27 日 72.14 𦉳 𦉳 T7-3F76 JA-2622	3B3A 月 74.10 𦉳 K3-275E	3B4D 木 75.4 𦉳 GS-2177
3B28 日 72.14 𦉳 K3-2757	3B3B 月 74.10 𦉳 𦉳 𦉳 GKX-0506.23 T5-4645 K3-275F	3B4E 木 75.4 𦉳 G7-2225
3B29 日 72.15 𦉳 𦉳 GKX-0501.17 T3-5A40	3B3C 月 74.11 𦉳 𦉳 𦉳 GHZ-32106.17 T5-4D58 JA-2372	3B4F 木 75.4 𦉳 G7-234A
3B2A 日 72.15 𦉳 𦉳 GKX-0501.21 T3-5A41	3B3D 月 74.11 𦉳 GS-2142	3B50 木 75.4 𦉳 K3-2766
3B2B 日 72.16 𦉳 𦉳 𦉳 G5-4A34 T3-5C44 H-FC5E	3B3E 月 74.11 𦉳 GS-2141	3B51 木 75.5 𦉳 𦉳 GKX-0517.15 T3-2D28
3B2C 日 72.18 𦉳 𦉳 GKX-0501.39 T3-5F4C	3B3F 月 74.12 𦉳 𦉳 𦉳 GKX-0506.29 T3-5125 K3-2761	3B52 木 75.5 𦉳 𦉳 G5-4359 T3-2D2C
3B2D 日 72.18 𦉳 𦉳 G5-4A35 T3-5F4D	3B40 月 74.13 𦉳 GS-2145	3B53 木 75.5 𦉳 𦉳 GKX-0519.17 T4-296F
3B2E 日 72.19 𦉳 𦉳 G3-4828 T5-756E	3B41 木 75.2 𦉳 𦉳 𦉳 G5-433B T3-2376 V2-8947	3B54 木 75.5 𦉳 𦉳 G3-4075 T4-296C
3B2F 日 72.21 𦉳 𦉳 𦉳 GKX-0501.52 T5-756D K3-2758	3B42 木 75.3 𦉳 𦉳 𦉳 GKX-0511.05 T3-2643 H-8DB4	3B55 木 75.5 𦉳 𦉳 𦉳 G5-4351 T3-2D29 JA-2377
3B30 日 73.2 𦉳 𦉳 𦉳 GKX-0502.03 T3-2374 JA-236F	3B43 木 75.3 𦉳 𦉳 𦉳 GKX-0511.06 T4-2448 JA-2374	3B56 木 75.5 𦉳 GS-216C
3B31 日 73.12 𦉳 𦉳 𦉳 GKX-0504.09 T4-5056 K3-2759	3B44 木 75.3 𦉳 𦉳 GKX-0511.13 T3-2646	3B57 木 75.5 𦉳 K3-2768
3B32 日 73.13 𦉳 𦉳 GKX-0504.11 T3-5474	3B45 木 75.3 𦉳 K3-2763	3B58 木 75.6 𦉳 𦉳 𦉳 G5-436D T4-2D57 K3-2769

HEX	C	J	K	V	HEX	C	J	K	V		
7223 火 86.20	爌 G3-503E	爌 HB2-F8B1	爌 T2-703F	爌 K2-455B	7236 父 88.0	父 G0-3838	父 HB1-A4F7	父 T1-4558	父 J0-4963	父 K0-5D2B	父 V2-8D6A
7224 火 86.21	爍 GE-4155	爍 H-FE44	爍 T3-6143	爍 J1-4A47	7237 父 88.2	爷 G0-522F					
7225 火 86.21	爍 G5-5244	爍 H-875F	爍 T3-6142	爍 K1-7028	7238 父 88.4	爸 G0-3056	爸 HB1-AAA8	爸 T1-4E69	爸 J14-702C	爸 K1-716C	
7226 火 86.21	爍 GE-4156	爍 HB2-F8F6	爍 T2-7126		7239 父 88.6	爹 G0-3579	爹 HB1-AF52	爹 T1-5655	爹 J14-702D	爹 K1-5C63	
7227 火 86.24	爍 GE-4157	爍 HB2-F9BC	爍 T2-722C	爍 K2-455D	723A 父 88.9	爺 G1-522F	爺 HB1-B7DD	爺 T1-6525	爺 J0-4C6C	爺 K0-652C	
7228 火 86.25	爍 G0-6C60	爍 HB1-C679	爍 T1-7D46	爍 J0-6026	723B 爻 89.0	爻 G0-5833	爻 HB1-A4F8	爻 T1-4559	爻 J0-602B	爻 K0-7D21	爻 V2-8D6B
7229 火 86.29	爍 GE-4158	爍 HB2-F9C6	爍 T2-7240	爍 K2-455E	723C 爻 89.5	俎 GE-415B		俎 T3-2D6B	俎 J0-602C	俎 K2-4562	
722A 爪 87.0	爪 G0-5726	爪 HB1-A4F6	爪 T1-4557	爪 J0-445E	723D 爻 89.7	爽 G0-4B2C	爽 HB1-B26E	爽 T1-5B73	爽 J0-4156	爽 K0-5F50	爽 V1-5E50
722B 爪 87.0	𠂔 GE-4159	𠂔 H-8BD3	𠂔 T4-2151	𠂔 J14-702A	723E 爻 89.10	爾 G1-367B	爾 HB1-BAB8	爾 T1-695F	爾 J0-3C24	爾 K0-6C33	爾 V1-5E51
722C 爪 87.4	爬 G0-4540	爬 HB1-AAA6	爬 T1-4E67	爬 J0-6028	723F 月 90.0	𠂔 G0-635D	𠂔 HB2-C962	𠂔 T2-2142	𠂔 J0-602D	𠂔 K2-4563	
722D 爪 87.4	爭 G1-5579	爭 HB1-AAA7	爭 T1-4E68	爭 J0-6027	7240 月 90.4	牀 GE-415C	牀 H-FE48	牀 T3-297C	牀 J0-602E	牀 K0-5F51	牀 V1-5E52
722E 爪 87.5	爬 G3-4C37	爬 H-FE47	爬 T3-2D69		7241 月 90.5	𠂔 G3-3A3A	𠂔 HB2-CFB7	𠂔 T2-2B77	𠂔 J1-4A4D	𠂔 K2-4564	
722F 爪 87.5	再 G5-4E6A	再 T4-2A2A	再 J1-4A49	再 K2-4560	7242 月 90.6	𠂔 G3-3A3C	𠂔 HB2-D27D	𠂔 T2-3060	𠂔 J14-702F	𠂔 K1-6B46	
7230 爪 87.5	爰 G0-6B3C	爰 HB1-ACB8	爰 T1-523B	爰 J0-6029	7243 月 90.9	牒 GE-415D		牒 T4-3E4C	牒 J1-4A4F	牒 K2-4565	
7231 爪 87.6	爰 G0-302E				7244 月 90.10	𠂔 G5-3C70	𠂔 HB2-E2C5	𠂔 T2-4B6B	𠂔 J1-4A50	𠂔 K2-4566	
7232 爪 87.8	爲 G1-4E2A	爲 T3-3D22	爲 J0-602A	爲 K0-6A53	7245 月 90.11	𠂔 GE-415E	𠂔 T4-4A6D	𠂔 J1-4A50	𠂔 K2-4567		
7233 爪 87.10	爲 MD-7232				7246 月 90.13	牆 GE-415F	牆 HB1-C0F0	牆 T1-743B	牆 J0-602F	牆 K0-6D6D	牆 V1-5E53
7234 爪 87.11	𠂔 GE-415A	𠂔 T4-4A6C	𠂔 J14-702B	𠂔 K2-4561	7247 片 91.0	片 G0-462C	片 HB1-A4F9	片 T1-455A	片 J0-4A52	片 K0-7838	片 V1-5E54
7235 爪 87.14	爵 G0-3E74	爵 HB1-C0EF	爵 T1-743A	爵 J0-3C5F	7248 片 91.4	版 G0-3066	版 HB1-AAA9	版 T1-4E6A	版 J0-4847	版 K0-777A	版 V1-5E55
					7249 片 91.5	𠂔 G3-4C2C	𠂔 HB2-CFB8	𠂔 T2-2B78	𠂔 K2-4567		

HEX	C	J	K	V	HEX	C	J	K	V
9FE1	羅爾 UTC-01192				9FF4	鮠 魚 195.5 GKJ-00203			
9FE2	耶哈 UTC-01195				9FF5	鮡 魚 195.7 GKJ-00208			
9FE3	耶克 UTC-01182				9FF6	鯨 魚 195.7 GKJ-00209			
9FE4	耶格 UTC-01180				9FF7	鯧 魚 195.9 GKJ-00205			
9FE5	郎爾 UTC-01185				9FF8	鮠 魚 195.11 GKJ-00206			
9FE6	英微 UTC-01179				9FF9	鯧 魚 195.11 GKJ-00204			
9FE7	隆爾 UTC-01193				9FFA	鸚 鳥 196.7 GKJ-00210			
9FE8	雷爾 UTC-01188				9FFB	鼯 鼠 208.5 GKJ-00211			
9FE9	魯爾 UTC-01194				9FFC	鼯 鼠 208.5 GKJ-00212			
9FEA	火 86.13				9FFD	喙 口 30.10 MC-00134			
9FEB	氮 氣 84.13 GCE-118	氮 T5-7C54			9FFE	邨 土 32.9 GDM-00031			
9FEC	砷 石 112.5 GCE-117	砷 T4-6E5D				邨 邨 MC-00139 UTC-03009			
9FED	铈 鈾 167.5 GCE-113	铈 UTC-01119			9FFF	藁 水 85.9 GDM-00085			
9FEE	席 廣 53.10		席 JMJ-057449			藁 藁 MC-00137 UTC-02993			
9FEF	黎 米 119.10		黎 JMJ-060040						
9FF0	滯 水 85.12 GKJ-00201								
9FF1	玨 玉 96.4 GKJ-00202	玨 TC-3465							
9FF2	蒳 豆 151.7 GKJ-00200								
9FF3	鮠 魚 195.11 GKJ-00207	鮠 TB-7241							

2A6C3 龜 213.11 龜 UCS2003	龜 213.11 龜 GHZ-74810.18	龜 213.11 龜 T5-7752	2A6D7 合 30.3 口 UCS2003	合 30.3 合 UTC-03160
2A6C4 龜 213.11 龜 UCS2003	龜 213.11 龜 GHZ-74810.19	龜 213.11 龜 T7-6442	2A6D8 四 31.2 口 UCS2003	四 31.2 四 UTC-03161
2A6C5 龜 213.12 龜 UCS2003	龜 213.12 龜 V3-3644		2A6D9 一 1.0 一 UCS2003	一 1.0 一 UTC-03162
2A6C6 龜 213.12 龜 UCS2003	龜 213.12 龜 TF-6D2D		2A6DA 上 1.2 一 UCS2003	上 1.2 上 UTC-03163
2A6C7 龜 213.14 龜 UCS2003	龜 213.14 龜 V2-8873		2A6DB 尺 44.1 尸 UCS2003	尺 44.1 尺 UTC-03164
2A6C8 龜 213.17 龜 UCS2003	龜 213.17 龜 GKX-1538.24	龜 213.17 龜 T5-7C42	2A6DC 工 48.0 工 UCS2003	工 48.0 工 UTC-03165
2A6C9 龜 213.0 龜 UCS2003	龜 213.0 龜 TF-2926		2A6DD 凡 16.1 几 UCS2003	凡 16.1 凡 UTC-03166
2A6CA 龜 214.4 龜 UCS2003	龜 214.4 龜 GKX-1538.28	龜 214.4 龜 T5-7330	2A6DE 玦 96.10 玉 UCS2003	玦 96.10 玦 TC-662B 玦 MC-00136
2A6CB 龜 214.8 龜 UCS2003	龜 214.8 龜 GKX-1538.32	龜 214.8 龜 T7-622B	2A6DF 旺 109.4 目 UCS2003	旺 109.4 旺 MC-00138
2A6CC 龜 214.8 龜 UCS2003	龜 214.8 龜 GHZ-74807.06			
2A6CD 龜 214.8 龜 UCS2003	龜 214.8 龜 GHZ-74807.07	龜 214.8 龜 T7-622A		
2A6CE 龜 214.9 龜 UCS2003	龜 214.9 龜 GKX-1538.33	龜 214.9 龜 T5-7A64		
2A6CF 龜 214.9 龜 UCS2003	龜 214.9 龜 GKX-1538.34	龜 214.9 龜 T5-7A63		
2A6D0 龜 214.9 龜 UCS2003	龜 214.9 龜 GKX-1538.37	龜 214.9 龜 T7-634A		
2A6D1 龜 214.9 龜 UCS2003	龜 214.9 龜 GKX-1538.38	龜 214.9 龜 T7-6349		
2A6D2 龜 214.10 龜 UCS2003	龜 214.10 龜 GKX-1538.39	龜 214.10 龜 T5-7B3B		
2A6D3 龜 214.11 龜 UCS2003	龜 214.11 龜 GKX-1538.41	龜 214.11 龜 T4-6E47		
2A6D4 龜 214.14 龜 UCS2003	龜 214.14 龜 GKX-1538.42	龜 214.14 龜 T7-6625		
2A6D5 龜 214.16 龜 UCS2003	龜 214.16 龜 GKX-1538.43	龜 214.16 龜 T4-6E56		
2A6D6 龜 214.20 龜 UCS2003	龜 214.20 龜 GKX-1538.44	龜 214.20 龜 T7-664C		

2B72B 𪗇
 齿 211.7
 GZFY-00159

2B72C 𪗈
 齿 211.8
 GXC-2029.93

2B72D 𪗉
 齿 211.8
 GZFY-00136

2B72E 𪗊
 齿 211.9
 GCH-1029.98

2B72F 𪗋
 齿 211.10
 GCH-1030.01

2B730 𪗌
 齿 211.13
 GCH-2030.03

2B731 𪗍
 龍 212.7
 GZJW-01928

2B732 𪗎
 龙 212.6
 GZFY-00495

2B733 𪗏
 龟 213.5
 GGH-1030.09

2B734 𪗐
 龠 214.12
 GZJW-01931

2B735 𪗑
 丿 4.3
 V0-3D5B

2B736 𪗒 𪗓
 肉 130.12
 V2-8166 UTC-00732

2B737 𪗔
 邑 163.7
 GDM-00221