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Action required: To be considered by UTC

This document is an attempt to examine and unify ideograph components in several existing component sets, and can be considered as a response to L2/21-118, which proposed to add new IDC and components as new CJK Unified Ideographs.

In addition to Ideograph Components in IDS.TXT (babelstone) mentioned in L2/21-118, this document is aiming to include following component sets:

1. IRGN2225. The components in this document have been widely used in submission of IRG Working Set 2017 and following discussions.
2. Unifiable Component Variations List (UCV). Although it is not intended to be used as components for IDS, UCV lists several unencoded components which are common in ideographs.
3. GF 3001-1997 (*GF1997*) and GF 0014-2009 (*GF2009*). GF3001-1997 and its successor each list about 500 components used in GF standards. A large number of those components are ideographs and have been encoded. It should be noted that both component sets are not recognized by GB as national standard.
4. HKSCS IDS sequence (IRGN2438 Table 2) (*HKSCS*). This table lists a small set of not-coded components used in HKSCS IDS.
5. CDP (Chinese Document Processing lab) 外字 (CDP). This list contains a much larger set of components than previous ones, most of them has appeared in only one ideograph.

In total, these component sets provide 2,000 components. 850 of them are unencoded and unique. The following criteria are applied to determine whether the component is suitable to be included in the list:

1. The component is listed in babelstone or IRGN2225,

OR

2. The component is listed in at least two of UCV, GF1997/2009, HKSCS and CDP component lists, AND the component is used in at least two encoded ideographs (if component is in the same structure, it will be counted only once).

3. Some of components are still not suitable for encoding because they can be obviously expressed by a short IDS sequence. Such sequences will be noted in note column.

The following table is aggregated table of selected components, with information of:

- ID. ID is assigned according to the convention in IRGN2225, which composes of First Stroke (H橫 S 豎 P撇 D點 Z折), Total Stroke Count and a serial number. ID listed here is only for convinient of looking up and references, and is provisional.
- Glyph. Representative glyph of component.
- Index. Index in the component sets. Index is prefixed by abbriviation of component sets. For babelstone, IRGN2225, GF1997/2009, HKSCS, the ID is followed by component's ID defined in the component set. For UCV the ID is followed by UCV rule's number, and a number indicating its n-th glyph under the rule. For CDP the ID is followed by its Big 5 code point.
- Name. Two sets of names are provided. Names in all caps are the component name provided by IRGN2225 and is largely semantic. The other is descriptive name given in IDS.TXT, and those name prefixed by * are names similar to IDS.TXT introduced by the author of this document.
- Examples. Up to three example characters are given.
- (Possible) Unification. This column lists unifiable ideograph for the component.
- Note. The above-mentioned short IDS sequences are given as notes. Besides, some non-standard IDS sequences use katakana, are also listed in notes.

Rows highlighted with gray background indicate the component is neither in IDS.TXT or IRGN2225.

No	ID	Glyph	Index	Name	Examples	Unif.	Note
1	H2-01	与	babelstone-22 GF1997-350 cdp-8bbf	outside of 与	与𠂇𠂈		𠂇一
2	H3-01	𠂇	babelstone-23	inside of 與	與𠂇𠂈	与	
3	H3-02	在	babelstone-57 irgn2225-H3-03 cdp-88f1	CAI outside of 在	在存𠂇		
4	H3-03	一八	irgn2225-H3-04 GF2009-262	RAISE ONE	具𠂇共	𠂇	𠂇一八
5	H4-01	武	babelstone-28	outside of 武貳	武貳武		
6	H4-02	𠂇	HKSCS-HH4 cdp-884a	*top of 長	長𠂇𠂈		
7	H5-01	𠂇	GF2009-10 cdp-8ce7	*right of 拜 (拜字边)	拜𠂇𠂈		𠂇一丰
8	H5-02	𠂇	GF2009-304 cdp-8a65	*top of 喪 (喪字头)	喪𠂇金		
9	H6-01	𠂇	babelstone-01 irgn2225-H6-01 UCV-268-1 GF2009-423 cdp-8dbf	BEAST BODY TWO bottom of 𠂇𠂈𠂉	𠂇𠂈𠂉		
10	H6-02	𠂇	babelstone-51 irgn2225-H6-03 GF1997-112 cdp-896a	PART HORSE outside of 馬	馬𠂇𠂈		
11	H6-03	𠂇	GF1997-256 cdp-8b72	*top of 其	其𠂇𠂈		𠂇𠂈二
12	H6-04	𠂇	irgn2225-H6-02 cdp-8dab	LIGATURE DOUBLE ARRIVE	𠂇		
13	H7-01	𠂇	babelstone-12 irgn2225-S8-01 GF1997-292 cdp-89b0	DRAGON BODY right of 龍	龍𠂇𠂈		
14	H7-02	𠂇	babelstone-40 irgn2225-v07	right of 𠂇	亞𠂇𠂈		
15	H7-03	𠂇	babelstone-62 UCV-155-1 GF1997-430 cdp-8bf8	bottom of 華	𠂇𠂈𠂉		
16	H7-04		irgn2225-H7-01 GF1997-427	LIGATURE DOUBLE EAST	曹𠂇𠂈		

		曲	GF2009-31 cdp-8d61				
17	H8-01	車	babelstone-07 irgn2225-v02 GF1997-366 cdp-8bd0	top of 專惠	專惠𨋖	𨋖	
18	H8-02	𨋖	babelstone-36 irgn2225-H8-01 GF1997-470 cdp-8cd4	LEAF top of 𨋖𨋖	憂憂𨋖		
19	H8-03	臧	babelstone-61	outside of 臧	臧臧臧	戕	
20	H9-01	𨋖	irgn2225-H9-01 cdp-8cc9	SIMPLIFIED OVERSIGHT	監覽		
21	H11-01	莫	UCV-301-2 GF1997-459 cdp-8bd3	*right of 僕	僕嘆漢	莫	
22	S2-01	𨋖	babelstone-49 irgn2225-S2-01 cdp-8968	left of 帥	帥师𨋖		katakana リ
23	S3-01	𨋖	GF1997-45 GF2009-20 HKSCS-SH3 cdp-8bc5	*left of 北 (北字旁)	北燕		
24	S3-02	止	UCV-206-2 GF1997-51 cdp-8960	*inside of 𨋖	𨋖𨋖𨋖	止	𨋖𨋖𨋖
25	S4-01	𨋖	babelstone-13	outside of 𨋖	𨋖𨋖𨋖		
26	S4-02	𨋖	babelstone-33 irgn2225-S4-02 GF1997-487 cdp-8ddf	BOTTOMLESS HOLLOW bottom of 𨋖	𨋖𨋖𨋖		
27	S4-03	𨋖	babelstone-67 UCV-316-2 GF1997-404 cdp-89cc	middle of 高 and 亭	𨋖高亭		
28	S5-01	𨋖	GF1997-179 cdp-8977	*bottom of 𨋖	𨋖𨋖𨋖		
29	S5-02	𨋖	GF1997-252 cdp-89a9	*top of 骨	骨	𨋖	
30	S5-03	𨋖	GF1997-332 cdp-8bcb	*bottom of 免	免免		
31	S5-04	𨋖	irgn2225-S5-02 UCV-97-2 GF1997-344 cdp-8be8	REPTILE BODY	𨋖𨋖𨋖		
32	S5-05		UCV-321-3	*central top of 𨋖		同	

		𠂇	cdp-8de1	(H glyph)	𠂇𠂇𠂇		
33	S6-01	𠂇	babelstone-04	top of 蒙	蒙蒙𧈧		
34	S6-02	𠂇	babelstone-19 irgn2225-v06 UCV-173-4 GF1997-481 cdp-89e7	variant of 𠂇	更𠂇𠂇	𠂇	
35	S6-03	𠂇	babelstone-31	bottom of 𠂇	𠂇𠂇𠂇		
36	S6-04	𠂇	babelstone-70 UCV-368-2 GF1997-260 cdp-8d6b	inside of 虛	虛虛𧈧		
37	S6-05	𠂇	GF1997-314 cdp-8b62	*middle of 曾	曾曾		𠂇𠂇𠂇
38	S7-01	𠂇	irgn2225-S7-01	COCOON	繭繭		
39	S7-02	𠂇	irgn2225-S7-02	VASE BOTTOM	壺壺𧈧		
40	S7-03	𠂇	irgn2225-S7-02-b	VASE BOTTOM	壺𠂇		
41	S7-04	𠂇	UCV-440-3 cdp-857e	*bottom right of 施	施𠂇	𠂇	
42	S8-01	𠂇	babelstone-68 cdp-88d4	top of 黑	黑𠂇𠂇		
43	S9-01	𠂇	irgn2225-S9-01 GF1997-345 cdp-89bd	J-SIMPLIFIED FROG	繩蠅𧈧		
44	S11-01	𠂇	irgn2225-S11-01 irgn2225-S11-01-b cdp-8d60	DREAMING PERSON	夢𠂇𠂇		
45	S11-02	𠂇	irgn2225-S11-01-c	DREAMING PERSON	夢𠂇𠂇	irgn2225-S11-01	
46	P2-01	𠂇	babelstone-24 cdp-85bf cdp-8dea	right of 水	𠂇𧈧𧈧		
47	P2-02	𠂇	babelstone-39 irgn2225-P2-01 GF1997-489 cdp-8cbd	LEFT ENCLOSURE left of 印	印𠂇兒		
48	P2-03	𠂇	GF1997-277 GF1997-278 GF2009-280 cdp-8bf5	*bottom of 乔 (乔字 底)	齐𠂇𧈧		𠂇𠂇𠂇

49	P3-01	乇	babelstone-08 irgn2225-v03 GF1997-560 cdp-8af0	right of 扌	扌𠂇𠂇	屯	
50	P3-02	𠂇	babelstone-09 UCV-231-3	right of 竹𠂇	𠂇𠂇𠂇		𠂇𠂇 𠂇𠂇 VIETNAMESE ALTERNATE READING MARK CA
51	P3-03	𠂇	babelstone-32 GF1997-399 cdp-89ca	right of 𠂇	𠂇𠂇𠂇		
52	P3-04	𠂇	GF1997-342 GF2009-219 cdp-89bc	*top right of 临 (临 右角)	𠂇𠂇 临		𠂇𠂇、
53	P3-05	𠂇	GF1997-432 cdp-89d5	*inside of 匆	匆𠂇		
54	P3-06	𠂇	GF1997-460 GF2009-71 cdp-8dc9	*top right of 黎 (黎 右角)	𠂇𠂇𠂇		𠂇𠂇ノ
55	P3-07	𠂇	irgn2225-P3-01 GF1997-472 cdp-8cac	PAW THREE	印𠂇𠂇	𠂇?	
56	P4-01	𠂇	babelstone-15 UCV-234-1 GF1997-234 GF2009-226 irgn2225-P4-04 UCV-234-2 cdp-8c66	LIGATURE DOUBLE HUMAN right of 低, bottom right of 旅	旅𠂇𠂇		
57	P4-02	𠂇	babelstone-20 irgn2225-P4-03 UCV-20-2 GF1997-22 GF2009-474 cdp-8b5e	MOON TWO top of 炙	將𠂇𠂇		semantically either 月 or 肉, in ws 2017
58	P4-03	𠂇	irgn2225-P4-02 UCV-20-1 cdp-88f0	MEAT TWO	𠂇𠂇𠂇	babelstone- 20	𠂇𠂇ノ
59	P4-04	𠂇	babelstone-35 irgn2225-P4-01 cdp-87b5	V-SIMPLIFIED WIND right of 𠂇	𠂇𠂇𠂇		
60	P4-05	𠂇	babelstone-53 irgn2225-P4-05 GF1997-82 GF2009-257 cdp-8964	SIMPLIFIED PART BIRD outside of 𠂇𠂇	𠂇𠂇𠂇		
61	P4-06	𠂇	GF1997-340 cdp-8cb5	*bottom of 亦	亦𠂇		
62	P4-07	𠂇	GF1997-385 cdp-89c6	*bottom of 齊	齊𠂇𠂇		

63	P5-01	𠂔	babelstone-06 irgn2225-P5-02 cdp-8ce4	LOOSE ROCK ONE left of 段	段𠂔𠂔		
64	P5-02	𠂔	babelstone-58 irgn2225-P5-01 UCV-39-2 GF1997-319 GF2009-234 cdp-8c69	LIU top of 留	留𠂔𠂔		
65	P5-03	舟	babelstone-63	left of 𦨭	𦨭𦨭𦨭	舟	
66	P6-01	𦨭	babelstone-02 irgn2225-P6-02	BEAST HEAD ONE top of 免象	免免象		
67	P6-02	𦨭	babelstone-03 irgn2225-P6-03 UCV-149a-1 cdp-8caf	COMPLEX PERSON CAVE top of 𦨭𦨭	𦨭𦨭𦨭		
68	P6-03	𦨭	irgn2225-P6-03-b	COMPLEX PERSON CAVE	𦨭𦨭𦨭	babelstone-03	
69	P6-04	𦨭	irgn2225-P6-03-c	COMPLEX PERSON CAVE	𦨭𦨭𦨭	babelstone-03	
70	P6-05	𦨭	babelstone-21 cdp-8c4f	top of 祭登	祭𦨭登		
71	P6-06	𦨭	babelstone-54 GF1997-447 HKSCS-PZ7 cdp-89df	outside of 鳥	鳥鳥		
72	P6-07	𦨭	babelstone-59 irgn2225-P6-01 UCV-268-2 cdp-8c40	BEAST BODY ONE bottom of 𦨭	𦨭𦨭𦨭		𦨭𦨭𦨭
73	P7-01	𦨭	irgn2225-P7-01 UCV-355-2	FOOD VESSEL TWO	𦨭𦨭	babelstone-18	
74	P7-02	𦨭	babelstone-47 irgn2225-P7-03 GF1997-83 cdp-8cbb	PART BIRD outside of 鳥鳥	鳥𦨭𦨭		
75	P7-03	𦨭	irgn2225-P7-02	BEAST BODY THREE	𦨭𦨭𦨭	𦨭	
76	P8-01	𦨭	babelstone-56 irgn2225-P8-01 GF2009-388 cdp-8bbe	DANCE top of 無	𦨭無舞		
77	P8-02	𦨭	UCV-171-2 cdp-88e5	*bottom of 𦨭	𦨭𦨭𦨭	𦨭	
78	P9-01		irgn2225-v01	*right of 𦨭	𦨭𦨭𦨭	𦨭	

		𪚩					
79	P9-02	皇	UCV-89-2 cdp-8db4	*right of 隍	隍煌誼	皇	𠂇白土
80	P10-01	與	irgn2225-P10-01 cdp-8ba8	RAISE TWO	與與與		
81	P14-01	龜	babelstone-60	outside of 龜	龜龜龜		
82	P15-01	甕	irgn2225-P15-01	COMPLEX POURING VESSEL	甕甕甕		
83	P15-02	甕	irgn2225-P15-01-b	COMPLEX POURING VESSEL	甕甕甕	irgn2225-P15-01	
84	P15-03	甕	irgn2225-P15-01-c	COMPLEX POURING VESSEL	甕甕甕	irgn2225-P15-01	
85	D3-01	𡵓	GF1997-456 cdp-89e2	*top of 农	农𡵓		
86	D3-02	𡵓	irgn2225-v05 cdp-8961	*bottom of 𡵓	𡵓𡵓		
87	D4-01	𡵓	babelstone-11 irgn2225-D4-01 GF1997-290 GF2009-346 cdp-89ae	OMISSION bottom of 𡵓	𡵓𡵓𡵓		
88	D6-01	良	babelstone-17 irgn2225-D6-02 UCV-355-5 cdp-8c42	VIRTUOUS left of 𡵓	𡵓𡵓𡵓		
89	D6-02	主	GF1997-88 cdp-8965	*right of 隹	隹𡵓𡵓		𠂇𡵓
90	D6-03	𡵓	GF2009-74 cdp-8bec	*top of 帝 (帝字头)	帝𡵓𡵓		
91	D7-01	𡵓	babelstone-55 irgn2225-D7-03 GF1997-245 cdp-8d56	BEAST HEAD TWO outside of 鹿慶	𡵓𡵓𡵓		
92	D7-02	𡵓	irgn2225-D7-01 cdp-8c4d	ARCHITECTURAL STRUCTURE	亮𡵓𡵓		
93	D7-03	𡵓	irgn2225-D7-02 cdp-8d74	GUEST	賓		
94	D8-01	𡵓	babelstone-69 cdp-88a7	outside of 𡵓	𡵓𡵓𡵓		
95	D10-		babelstone-26	EVEN			

	01	𡗗	irgn2225-D10-01 cdp-8deb	top of 𡗗	𡗗齊齊		
96	Z2-01	𠂇	babelstone-14 GF1997-451	top of 𡗗	侯候𡗗		katakana 𠂇
97	Z2-02	𠂆	babelstone-27 GF1997-32 cdp-895c	bottom of 𡗗	丝𡗗𡗗		
98	Z2-03	𠂈	babelstone-30	top of 𡗗	𡗗𡗗𡗗		
99	Z2-04		babelstone-50 irgn2225-Z2-01 GF1997-376	top right of 𡗗	兜𡗗回		katakana 𠂇
100	Z2-05	𠂉	irgn2225-Z2-02	LEFT HAND ONE	収𡗗𡗗		
101	Z2-06	𠂊	irgn2225-Z2-03 cdp-88b5	LEFT HAND TWO	𡗗𡗗𡗗		
102	Z2-07	𠂋	irgn2225-Z2-05 GF1997-47 cdp-8c4e	RIGHT HAND TWO	祭𡗗		
103	Z3-01	𠂌	babelstone-10 irgn2225-Z3-02 UCV-55-3 cdp-88ec	HOLD ONE right of 𠂌 [T source glyph]	𡗗𡗗𡗗		
104	Z3-02	𠂍	babelstone-25 GF1997-233 cdp-8cc6	bottom (legs) of 𡗗	𡗗𡗗𡗗		
105	Z3-03	𠂎	babelstone-41 GF1997-212 GF2009-415	top of 𡗗	𡗗𡗗𡗗		katakana 𠂎, there is ongoing discussion about disunification of U+5F50
106	Z3-04	𠂏	babelstone-42 GF1997-213 GF2009-224	top of 𡗗	𡗗𡗗𡗗		there is ongoing discussion about disunification of U+5F50
107	Z3-05	𠂐	babelstone-43 irgn2225-Z3-01 GF1997-214 cdp-8bab	top of 𡗗	𡗗𡗗𡗗		there is ongoing discussion about disunification of U+5F50
108	Z3-06	𠂑	irgn2225-v04 GF1997-54 cdp-8962	*top of 𡗗	𡗗𡗗𡗗	止	
109	Z4-01		HKSCS-ZH4 cdp-88b4	*middle of 𡗗	𡗗𡗗𡗗		

		𠂇					
110	Z4-02	𠂇	irgn2225-Z4-01 cdp-8cd5	TILTED HEAD	吳𠂇𠂇	𠂇	
111	Z5-01	𠂇	babelstone-05 irgn2225-Z5-02 GF1997-403	LOOSE ROCK TWO left of 𠂇	𠂇𠂇𠂇		
112	Z5-02	𠂇	babelstone-18 irgn2225-Z5-01 UCV-199-2 UCV-355-4 UCV-356-3 UCV-357-1 GF1997-211 cdp-8b7c	FOOD VESSEL ONE variant of 𠂇	即既𠂇		
113	Z6-01	𠂇	GF1997-198 cdp-8bc6	*top of 書	書𠂇	𠂇	𠂇𠂇一
114	Z7-01	𠂇	babelstone-16 irgn2225-Z7-01 UCV-58-1 GF1997-355	BEAST BODY THREE bottom of 鼠	𠂇𠂇𠂇		
115	Z7-02	𠂇	UCV-58-2 cdp-8d46	*bottom of 鼠 (T glyph)	𠂇𠂇𠂇	babelstone- 16	
116	Z7-03	𠂇	GF1997-334 cdp-8cde	*bottom of 兼	兼𠂇		
117	Z7-04	𠂇	UCV-218-2 cdp-8ac2	*outside of right of 𠂇	𠂇𠂇𠂇	𠂇	
118	Z9-01	𠂇	UCV-217-2 cdp-88d7	*right of 𠂇	𠂇𠂇𠂇	𠂇	
119	Z10-01	𠂇	babelstone-29 cdp-8ba4	outside of 幾𠂇	幾𠂇幾		