

IRG N2204 version 2

Title: Proposal to Extend CJK Radicals Supplement for better IDS Coverage

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1 Introduction

There are a lot of CJK characters with IDS that resolve to unencoded components. They are currently represented by circled numbers of strokes, such as:

U+7559 留 𠄎③刀田

This proposal suggests encoding additional components in a new block titled **CJK Radicals Extended-A** with 45 suggested new components.

1.1 Scope

The selected components are to enhance the ability to use intuitive Ideographic Description Sequences. Only 45 components with “common recognition” and “strong combining power” have been hand-selected at this stage. Priority is placed into accurately representing components in common forms of common characters, over rare characters / rare glyph forms.

One-off components have been intentionally left out of consideration for this proposal to avoid creating radicals for the sake of accurately decomposing rare characters.

1.2 Component Naming

This proposal seeks to give etymologically related names to the majority. This proposal does not distinguish between etymological decomposition and ad-hoc decomposition. No distinction is made between radicals and components.

The list is not sorted in any specific order.

2 Proposal

1	𪔐	CJK RADICAL RABBIT top of 留 / top left of 劉, variant of 卯.
2	無	CJK RADICAL DANCE top of 無 / 舞
3	𪔑	CJK RADICAL POURING VESSEL top of 甕 / 甕
4	𪔒	CJK RADICAL CAI outside of 在 / 存; variant of 才.
5	𪔓	CJK RADICAL BEAST HEAD ONE top of 象 / 象
6	𪔔	CJK RADICAL BEAST HEAD TWO outside of 鹿 / 鹿
7	𪔕	CJK RADICAL BEAST BODY ONE bottom of 鳥
8	𪔖	CJK RADICAL BEAST BODY TWO bottom of 麤焉鳥
9	𪔗	CJK RADICAL REPTILE BODY body of 竜, 龟
10	𪔘	CJK RADICAL DOUBLE HUMAN bottom right of 旅 (J-source) / right of 彳 (not intended to be used for 辰. 辰 should be regarded as a single component.)
11	𪔙	CJK RADICAL J-SIMPLIFIED FROG right of 繩 / 繩
12 *	𪔚	CJK RADICAL C-SIMPLIFIED CHAOS top of 恋 / 变 / 变. (not intended to be used for 奕. The phonetic is 亦, use that instead)
13	𪔛	CJK RADICAL EVEN top of 壘 / 齊
14	良	CJK RADICAL VIRTUOUS left of 朗 / 朗, left hand side form of 良

15	艮	CJK RADICAL FOOD VESSEL ONE left of 即 / 既, left hand side form of 皀
16	皀	CJK RADICAL FOOD VESSEL TWO left of 卽 / 既, left hand side form of 皀
17	兔	CJK RADICAL SIMPLIFIED DOUBLE RABBIT right of 總 / 鯁, variant form of U+2B94E 兔
18	弋	CJK RADICAL C-SIMPLIFIED TRIPLE EARTH top of 尧
19	宀	CJK RADICAL LIGATURE PERSON CAVE top of 奂 / 窠
20	曲	CJK RADICAL LIGATURE DOUBLE EAST top of 曹 / 曹
21**	乇	CJK RADICAL SIMPLIFIED GARRISON right of 托 / 酖 / 鉞, variant form of 屯
22	夕	CJK RADICAL MEAT TWO top of 炙 / 畜 / 然 (TCA form), variant form of 肉
23	夕	CJK RADICAL MOON TWO top right of 望, variant form of 月
24	𠂇	CJK RADICAL LOOSE ROCK ONE left of 段
25	𠂇	CJK RADICAL LOOSE ROCK TWO left of 段
26	巾	CJK RADICAL SACK DRAWSTRING WITH STOPPER top of 囊 and 囊
27	馬	CJK RADICAL PART HORSE outside of 馬
28	马	CJK RADICAL SIMPLIFIED PART HORSE outside of 马
29	鳥	CJK RADICAL PART BIRD outside of 鳥 / 鳥
30	鸟	CJK RADICAL SIMPLIFIED PART BIRD outside of 鸟 / 鸟
31	監	CJK RADICAL OVERSIGHT ONE top of 監 / 覽 / 監

32	𠄎	CJK RADICAL OVERSIGHT TWO top of 鑿 / 覽, variant form of 監
33	𠄎	CJK RADICAL C-SIMPLIFIED OVERSIGHT top of 監 / 覽
34	扌	CJK RADICAL CLAW ONE left of 印
35*	扌	CJK RADICAL CLAW TWO bottom of 虐
36	扌	CJK RADICAL LEFT HAND left of 収
37	𠄎	CJK RADICAL RIGHT HAND ONE top of 尋 / top right of 侵 / bottom of 彗
38	𠄎	CJK RADICAL RIGHT HAND TWO right top of 祭 / 登
39	頁	CJK RADICAL LEAF top of 冪 / 憂, variant form of 頁
40	𠄎	CJK RADICAL OMISSION bottom of 裏 / bottom right of 涉
41	龍	CJK RADICAL DRAGON BODY right of 龍
42	冫	CJK RADICAL C-SIMPLIFIED MOUND left of 帥 / 歸
43	匚	CJK RADICAL LEFT ENCLOSURE left of 兜
44	匚	CJK RADICAL RIGHT ENCLOSURE right of 兜 / top right of 段
45***	戔	CJK RADICAL V-SIMPLIFIED WIND right of 飢, V-simplified form of 風

*: Candidate in WS2015.

**.: Character should be a candidate for submission as a new CJK Unified Ideograph, or preferentially unified to 屯.

***: Currently listed in a PUA area by the NOM lookup tool by the Nom Foundation. It should be submitted as a CJK Unified Ideograph. Since it is a Vietnam Simplified form of Kangxi Radical #182 風, it should be added to the CJK Radicals Supplement (or Extension) regardless of its encoding to a CJK Unified Ideograph for parity with other simplified forms used by China/Japan of Kangxi Radicals in CJK Radicals Supplement block.

3 Conclusion

The short-listed components are not comprehensive and feedback to expand the list to cover more examples is welcomed.

4 Credits

Ideas came from two sources.

- BabelStone IDS.txt, kindly provided by Andrew WEST.
- An Excel spreadsheet of rare components developed for a character lookup tool, kindly provided by CHAU Gienwen and WFG.

Many thanks for the support and effort.

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