Title: Proposal to encode Small Seal Script in UCS
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Action: For consideration by JTC1/SC2/WG2

This document was discussed at three meetings of *Shuowen* Seal Ad Hoc Meeting (28-29th Aug, 2017 in Taipei), WG2#67 (18-22th June, 2018 in London), and *Shuowen* Seal Informal meeting (1st June, 2019 in Beijing), and revised according to the resolutions of these meetings.

This document proposes to encode 11,093 (Note 1) Small Seal Script characters of *Shuowen Jiezi* (Tenghuaxie Version, 14 volumes in total) in UCS。 The appendix contains 14 parts, providing original glyphs, TTF font, SW Radicals, Corresp Modern Chars. For WG2 discussion and feedback.

NOTE 1: We originally proposed to encode 11,108 Small Seal characters in N4688. Due to Chongwen will only accept one, so delete 15 repeated characters. See n5089 Q2.

Legend of the tables

Volume 1 in Tenghuaxie version								
Serial No.	Serial No. in Tenghuaxie version	Original Glyph	TTF Font	Corresp Modern Char.	SW Radical	SW Radical Number		Type
1	00001		一	一	一	1		Zhengzhuan
2	00002		弎	弎	一	1		Variant
3	00003		元	元	一	1		Zhengzhuan

1. Serial Number

This is per-volume serial number. The first heading character in each volume is number as 1.

2. Serial No. in Tenghuaxie version

This is whole-volumes serial number. Normally expressed by zero-padded 5 digits "`[0-9]{5}`". Exceptionally, the newly added characters (新附字) which were

introduced since Sung dynasty are expressed as " `[Xx][0-9]{3}`". The newly added characters l

92	00092			禫	示	3	Zhengzhuan
93	X001				示	3	Newly added character
94	X002				示	3	Newly added character
95	X003				示	3	Newly added character
96	X004				示	3	Newly added character
97	00093			三	三	4	Zhengzhuan

3. Original glyph
The scanned images of Tenghuaxie version of Shuowen Jiezi. Basically they are scanned image of 商務印書館 石印本 of Tenghuaxie version, but for the cases which it had wrong glyphs, the scanned image of original Tenghuaxie version.

4. TTF font
The proposed representative glyphs.

5. Corresp. Modern Character
CJK Unified Ideograph corresponding to the proposed Seal character. This is just for the informative data for easier access of this table. Other corresponding CJK Unified Ideograph could be found. The newly added characters (新附字) in the column is left as blank, if WG2 think those kind of information are needed, than we can add Corresp. Modern Character

6. SW Radical
CJK Unified Ideograph corresponding to the radical of the Seal character. For the alternative or variant characters listed after the representative Small Seal, this information is omitted.

7. SW Radical Number
The serial number for SW radical, 1～540. For the alternative or variant characters listed after the representative Small Seal, this information is omitted.

8. Type
Shuowen Jiezi has 3 classes of the characters.

① The first is *Zhengzhuan* (正篆), the normalized Small Seal.
② The second is the old variants used before Zhengzhuan, like Guwen (古文) and Zhouwen (籀文), or the alternative form (或体) or irregular form (奇字) in post-Zhengzhuan era. In this table, all of them are simply called as "*Variant*".
③ The third is the *newly added characters* (新附字) which were added since Songben.

Considering the classification, one of "Zhengzhuan", "Variant" and "Newly Added Character" is given.