Preproposal to encode Tai Le Digits

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1. Introduction

Standing Tai Le script contains 10 digits which may share a common genetic heritage with Myanmar digits and Tai Tham digits but often be shaped in their own characteristic style. So far they have not been exclusively encoded and fonts like *Noto Sans Tai Le* and *Microsoft Tai Le* still appoint the section U+1040 ~ U+1049 as a temporarily replacement. We propose that these digits should be encoded into section U+1976 ~ U+197F in the Tai Le Block.

2. Proposed Characters

1976	TAI LE DIGIT ZERO	O
1977	TAI LE DIGIT ONE	၁
1978	TAI LE DIGIT TWO	၂
1979	TAI LE DIGIT THREE	၃
197A	TAI LE DIGIT FOUR	၄
197B	TAI LE DIGIT FIVE	၅
197C	TAI LE DIGIT SIX	၆
197D	TAI LE DIGIT SEVEN	၇
197E	TAI LE DIGIT EIGHT	၈
197F	TAI LE DIGIT NINE	၉

3. Tai Le Digits

Each of Digit 0 ~ 9 has its own shape in Tai Le Script (O 0, ၁ 1, ၂ 2, ၃ 3, ၄ 4, ၅ 5, ၆ 6, ၇ 7, ၈ 8, ၉ 9). These digit is still widely used after the reformation, even without their own code in Unicode. Input methods in hand are often designed to borrow the digits in Myanmar Script (O 0, ၁ 1, ၂ 2, ၃ 3, ၄ 4, ၅ 5, ၆ 6, ၇ 7, ၈ 8, ၉ 9) as substitute. Thinking of that each of the digits set in New Tai Lue Script (O 0, ၁ 1, ၂ 2, ၃ 3, ၄ 4, ၅ 5, ၆ 6, ၇ 7, Λ 8, ၉ 9) or in Tai Tham Script (O 0, ၁ 1, ၂ 2, ၃ 3, ၄ 4, ၅ 5, ၆ 6, ၇ 7, ၈ 8, ၉ 9) is already encoded although it has similar shape with which in Myanmar Script, we suppose that it should be more appropriate to encode them as a part of Tai Le Script Unicode block.

4. Figures

表 1 德宏傣文编码字符集字符的键位配置

键位	字型	编码	键位	字型	编码	键位	字型	编码	键位	字型	编码
B01	ꩯ	195F	B09	ꩡ	1961	C07	꩓	1953	D04	ꩫ	196B
B02	ꩦ	1966	B10	ꩠ	1960	C08	꩑	1951	D05	꩗	1957
B03	ꩬ	196C	C01	ꩣ	1963	C09	꩘	1958	D06	꩕	1955
B04	꩝	195D	C02	꩔	1954	C10	ꩭ	196D	D07	ꩧ	1967
B05	꩙	1959	C03	꩖	1956	C11	ꩴ	1974	D08	ꩤ	1964
B06	꩒	1952	C04	꩜	195C	D01	ꩪ	196A	D09	ꩨ	1968
B07	꩛	195B	C05	꩐	1950	D02	ꩩ	1969	D10	꩚	195A
B08	ꩢ	1962	C06	꩞	195E	D03	ꩥ	1965	D11	ꩲ	1972

表 1（续）

键位	字型	编码	键位	字型	编码	键位	字型	编码	键位	字型	编码
D12	ꩳ	1973	E04	၄	1044	E08	၈	1048	E12	ꩱ	1971
E01	၁	1041	E05	၅	1045	E09	၉	1049			
E02	၂	1042	E06	၆	1046	E10	၀	1040			
E03	၃	1043	E07	၇	1047	E11	ꩰ	1970			

Myanmar digits reused as Tai Le digits, GB/T 28175-2011, Page 2-3

References:

中华人民共和国国家标准，信息技术通用多八位编码字符集德宏傣文通用键盘字母数字区布局（GB/T 28175-2011 Information technology - Universal multiple-octet coded character set - Universal keyboard layout of the alphanumeric zone for Dehong），2011