

To: UTC
From: Debbie Anderson, SEI, UC Berkeley
Subject: Reference doc numbers for L2/20-266R "Consolidated code chart of proposed
phonetic characters" and IPA etc. code point and name changes
Date: 7 December 2020

Attached are:

(1) code charts with proposed phonetic characters (L2/20-266R) (Everson and Miller)
(2) IPA code point (and name) changes between July and Oct UTC (Miller)
with the document numbers of the original proposals. This will aid in tracking down the original proposal
for a particular character.

	1078	1079	107A	107B
0	AA 10780	fh 10790	ʎ 107A0	ʋ 107B0
1	˙ 10781	ɣ 10791	Ɔ 107A1	
2	˘ 10782	G 10792	Ø 107A2	Y 107B2
3	æ 10783	ƒ 10793	Ɔ 107A3	ʔ 107B3
4	B 10784	G 10794	Ω 107A4	Ɔ 107B4
5	ḃ 10785	ḥ 10795	q 107A5	⊙ 107B5
6		H 10796	I 107A6	I 107B6
7	ɀ 10787	h 10797	l 107A7	ll 107B7
8	ɀ 10788	f 10798	ɿ 107A8	‡ 107B8
9	ɀ 10789	ʎ 10799	ɿ 107A9	‡ 107B9
A	ɀ 1078A	ʎ 1079A	R 107AA	
B	ɀ 1078B	‡ 1079B	ɀ 107AB	
C	ɀ 1078C	Ł 1079C	ɀ 107AC	
D	ɀ 1078D	‡ 1079D	ɀ 107AD	
E	ə 1078E	h 1079E	ɀ 107AE	
F	ɀ 1078F	h 1079F	t 107AF	

Voice Quality Symbol (VoQS)

L2/20-116R

10780 ^{AA} MODIFIER LETTER SMALL CAPITAL AA
→ A732 AA latin capital letter aa

Modifier letters for the IPA

L2/20-252R

10781 [:] MODIFIER LETTER SUPERSCRIPT TRIANGULAR COLON
≈ <super> 02D0 :

10782 [·] MODIFIER LETTER SUPERSCRIPT HALF TRIANGULAR COLON
≈ <super> 02D1 ·

10783 ^æ MODIFIER LETTER SMALL AE
≈ <super> 00E6 æ

L2/20-252R

10784 ^B MODIFIER LETTER SMALL CAPITAL B
≈ <super> 0299 B

L2/20-253R

10785 ^b MODIFIER LETTER SMALL B WITH HOOK
≈ <super> 0253 b

10786  <reserved>

L2/20-252R

10787 ^{dz} MODIFIER LETTER SMALL DZ DIGRAPH
≈ <super> 02A3 dz

10788 ^{dz̥} MODIFIER LETTER SMALL DZ DIGRAPH WITH RETROFLEX HOOK
≈ <super> AB66 dz̥

10789 ^{dz̥̣} MODIFIER LETTER SMALL DZ DIGRAPH WITH CURL
≈ <super> 02A5 dz̥̣

1078A ^{dz̥̣̥} MODIFIER LETTER SMALL DEZH DIGRAPH
≈ <super> 02A4 dz̥̣̥

L2/20-252R

1078B ^{d̥} MODIFIER LETTER SMALL D WITH TAIL
≈ <super> 0256 d̥

L2/20-253R

1078C ^{d̥̣} MODIFIER LETTER SMALL D WITH HOOK
≈ <super> 0257 d̥̣

L2/20-253R

1078D ^{d̥̣̥} MODIFIER LETTER SMALL D WITH HOOK AND TAIL
≈ <super> 1D91 d̥̣̥

L2/20-252R

1078E ^ɞ MODIFIER LETTER SMALL REVERSED E
≈ <super> 0258 ɞ

L2/20-252R

1078F ^{ɐ̥} MODIFIER LETTER SMALL CLOSED REVERSED OPEN E
≈ <super> 025E ɐ̥

L2/20-116R

10790 ^{fi̥} MODIFIER LETTER SMALL FENG DIGRAPH
≈ <super> 02A9 fi̥

L2/20-252R

10791 ^ɣ MODIFIER LETTER SMALL RAMS HORN
≈ <super> 0264 ɣ

L2/20-252R

10792 ^G MODIFIER LETTER SMALL CAPITAL G
≈ <super> 0262 G

L2/20-253R

10793 ^{g̥} MODIFIER LETTER SMALL G WITH HOOK
≈ <super> 0260 g̥

L2/20-253R

10794 ^{G̥} MODIFIER LETTER SMALL CAPITAL G WITH HOOK
≈ <super> 029B G̥

L2/20-252R

10795 ^{h̥} MODIFIER LETTER SMALL H WITH STROKE
≈ <super> 0127 h̥

10796 ^{H̥} MODIFIER LETTER SMALL CAPITAL H
≈ <super> 029C H̥

L2/20-252R

10797 ^{fi̥̣} MODIFIER LETTER SMALL HENG WITH HOOK
≈ <super> 0267 fi̥̣

L2/20-253R

10798 ^{f̥̣̥} MODIFIER LETTER SMALL DOTLESS J WITH STROKE AND HOOK
≈ <super> 0284 f̥̣̥

L2/20-116R

10799 ^{ls̥} MODIFIER LETTER SMALL LS DIGRAPH
≈ <super> 02AA ls̥

1079A ^{lz̥} MODIFIER LETTER SMALL LZ DIGRAPH
≈ <super> 02AB lz̥

L2/20-116R

1079B ^{l̥} MODIFIER LETTER SMALL L WITH BELT
≈ <super> 026C l̥

1079C ^{l̥̣} MODIFIER LETTER SMALL CAPITAL L WITH BELT
≈ <super> 1DF04 l̥̣

L2/20-116R

1079D ^{l̥̣̥} MODIFIER LETTER SMALL L WITH RETROFLEX HOOK AND BELT
≈ <super> A78E l̥̣̥

1079E ^{l̥̣̥̥} MODIFIER LETTER SMALL LEZH
≈ <super> 026E l̥̣̥̥

1079F ^{l̥̣̥̥̥} MODIFIER LETTER SMALL LEZH WITH RETROFLEX HOOK
≈ <super> 1DF05 l̥̣̥̥̥

L2/20-116R

107A0 ^ɿ MODIFIER LETTER SMALL TURNED Y
≈ <super> 028E ɿ

L2/20-252R

107A1 ^{ɿ̣} MODIFIER LETTER SMALL TURNED Y WITH BELT
≈ <super> 1DF06 ɿ̣

L2/20-116R

107A2 ^ø MODIFIER LETTER SMALL O WITH STROKE
≈ <super> 00F8 ø

L2/20-252R

107A3 ^œ MODIFIER LETTER SMALL CAPITAL OE
≈ <super> 0276 œ

107A4 ^{ω̥} MODIFIER LETTER SMALL CLOSED OMEGA
≈ <super> 0277 ω̥

107A5 ^{q̥} MODIFIER LETTER SMALL Q
≈ <super> 0071 q̥

107A6 ^{ɹ̥} MODIFIER LETTER SMALL TURNED R WITH LONG LEG
≈ <super> 027A ɹ̥

107A7 ^{ɹ̥̣} MODIFIER LETTER SMALL TURNED R WITH LONG LEG AND RETROFLEX HOOK
≈ <super> 1DF08 ɹ̥̣

107A8 ^{ɹ̥̣̥} MODIFIER LETTER SMALL R WITH TAIL
≈ <super> 027D ɹ̥̣̥

107A9 ^{ɹ̥̣̥̥} MODIFIER LETTER SMALL R WITH FISHHOOK
≈ <super> 027E ɹ̥̣̥̥

107AA ^{R̥} MODIFIER LETTER SMALL CAPITAL R
≈ <super> 0280 R̥

107AB ^{ɽ̥} MODIFIER LETTER SMALL TC DIGRAPH WITH CURL
≈ <super> 02A8 ɽ̥


107AC ^{ts̥} MODIFIER LETTER SMALL TS DIGRAPH
≈ <super> 02A6 ts̥

107AD ^{ts̥̣} MODIFIER LETTER SMALL TS DIGRAPH WITH RETROFLEX HOOK
≈ <super> AB67 ts̥̣

107AE ^{ʈ̥} MODIFIER LETTER SMALL TESH DIGRAPH
≈ <super> 02A7 ʈ̥

107AF ^{t̥} MODIFIER LETTER SMALL T WITH RETROFLEX HOOK
≈ <super> 0288 t̥

107B0 ^{v̥} MODIFIER LETTER SMALL V WITH RIGHT HOOK
≈ <super> 2C71 v̥

107B1  <reserved>

107B2 ^{Y̥} MODIFIER LETTER SMALL CAPITAL Y
≈ <super> 028F Y̥

107B3 ^{ʔ̥} MODIFIER LETTER GLOTTAL STOP WITH STROKE
≈ <super> 02A1 ʔ̥

107B4 ^{ʔ̥̣} MODIFIER LETTER REVERSED GLOTTAL STOP WITH STROKE
≈ <super> 02A2 ʔ̥̣

L2/20-252R

107B5 ^{ɸ̥} MODIFIER LETTER BILABIAL CLICK
≈ <super> 0298 ɸ̥

L2/20-253R

107B6 ^{ɬ̥} MODIFIER LETTER DENTAL CLICK
≈ <super> 01C0 ɬ̥

L2/20-253R

L2/20-253R	107B7	‡	MODIFIER LETTER LATERAL CLICK ≈ <super> 01C1‡
	107B8	†	MODIFIER LETTER ALVEOLAR CLICK ≈ <super> 01C2†
L2/20-253R	107B9	‡	MODIFIER LETTER RETROFLEX CLICK WITH RETROFLEX HOOK ≈ <super> 1DF0A‡

	1DF0	1DF1	1DF2	1DF3	1DF4	1DF5	1DF6	1DF7	1DF8	1DF9	1DFA	1DFB	1DFC	1DFD	1DFE	1DFF
0	ſ̅ 1DF00	ʀ 1DF10														
1	ʁ 1DF01	ʀ̅ 1DF11														
2	Ɔ 1DF02	Ɔ̅ 1DF12														
3	ʀ̅ 1DF03	ʀ̅̅ 1DF13														
4	ʀ̅̅ 1DF04	ʀ̅̅̅ 1DF14														
5	ʀ̅̅̅ 1DF05	ʀ̅̅̅̅ 1DF15														
6	ʀ̅̅̅̅ 1DF06	ʀ̅̅̅̅̅ 1DF16														
7	ʀ̅̅̅̅̅ 1DF07	ʀ̅̅̅̅̅̅ 1DF17														
8	ʀ̅̅̅̅̅̅ 1DF08	ʀ̅̅̅̅̅̅̅ 1DF18														
9	ʀ̅̅̅̅̅̅̅ 1DF09															
A	ʀ̅̅̅̅̅̅̅̅ 1DFOA	ʀ̅̅̅̅̅̅̅̅̅ 1DF1A														
B	ʀ̅̅̅̅̅̅̅̅̅ 1DFOB	ʀ̅̅̅̅̅̅̅̅̅̅ 1DF1B														
C	ʀ̅̅̅̅̅̅̅̅̅̅ 1DF0C	ʀ̅̅̅̅̅̅̅̅̅̅̅ 1DF1C														
D	ʀ̅̅̅̅̅̅̅̅̅̅̅ 1DF0D															
E	ʀ̅̅̅̅̅̅̅̅̅̅̅̅ 1DF0E															
F	ʀ̅̅̅̅̅̅̅̅̅̅̅̅̅ 1DF0F															

IPA characters for disordered speech

L2/20-116R	1DF00	ɸ̥	LATIN SMALL LETTER FENG DIGRAPH WITH TRILL
	1DF01	ɸ̥	LATIN SMALL LETTER REVERSED SCRIPT G
	1DF02	ɸ̥	LATIN LETTER SMALL CAPITAL TURNED G
	1DF03	ɸ̥	LATIN SMALL LETTER REVERSED K
	1DF04	ɸ̥	LATIN LETTER SMALL CAPITAL L WITH BELT
	1DF05	ɸ̥	LATIN SMALL LETTER LEZH WITH RETROFLEX HOOK
	1DF06	ɸ̥	LATIN SMALL LETTER TURNED Y WITH BELT
L2/20-116R	1DF07	ɸ̥	LATIN SMALL LETTER REVERSED ENG

IPA extensions

L2/20-125R	1DF08	ɸ̥	LATIN SMALL LETTER TURNED R WITH LONG LEG AND RETROFLEX HOOK
L2/20-125R	1DF09	ɸ̥	LATIN SMALL LETTER T WITH HOOK AND RETROFLEX HOOK
L2/20-115R	1DF0A	ɸ̥	LATIN LETTER RETROFLEX CLICK WITH RETROFLEX HOOK

Beach click letters

1DF0B	ɸ̥	LATIN SMALL LETTER ESH WITH DOUBLE BAR
1DF0C	ɸ̥	LATIN SMALL LETTER ESH WITH DOUBLE BAR AND CURL
1DF0D	ɸ̥	LATIN SMALL LETTER TURNED T WITH CURL
1DF0E	ɸ̥	LATIN LETTER INVERTED GLOTTAL STOP WITH CURL
1DF0F	ɸ̥	LATIN LETTER STRETCHED C WITH CURL

Click letter

L2/20-115R	1DF10	ɸ̥	LATIN LETTER SMALL CAPITAL TURNED K
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Lateral letter

L2/20-125R	1DF11	ɸ̥	LATIN SMALL LETTER L WITH FISHHOOK
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Latin letters with palatal hook

1DF12	ɸ̥	LATIN SMALL LETTER DEZH WITH PALATAL HOOK
1DF13	ɸ̥	LATIN SMALL LETTER L WITH BELT AND PALATAL HOOK
1DF14	ɸ̥	LATIN SMALL LETTER ENG WITH PALATAL HOOK
1DF15	ɸ̥	LATIN SMALL LETTER TURNED R WITH PALATAL HOOK
1DF16	ɸ̥	LATIN SMALL LETTER R WITH FISHHOOK AND PALATAL HOOK
1DF17	ɸ̥	LATIN SMALL LETTER TESH WITH PALATAL HOOK
1DF18	ɸ̥	LATIN SMALL LETTER EZH WITH PALATAL HOOK

Latin letters with retroflex hook

	1DF1A	ɸ̥	LATIN SMALL LETTER I WITH STROKE AND RETROFLEX HOOK
	1DF1B	ɸ̥	LATIN SMALL LETTER O WITH RETROFLEX HOOK
L2/20-125R	1DF1C	ɸ̥	LATIN SMALL LETTER TESH WITH RETROFLEX HOOK

IPA etc. code-point changes between July and Oct UTC

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These characters were approved by the UTC in July, at the code-points and under the names listed in the left-hand columns below. At their August meeting, the SAH instructed me to move them, due to a desire by a member of Unicode (Michael Everson) to reserve the Latin Extended-D block for other uses. I reached consensus with Everson to place the characters at the code-points listed in the right-hand columns below, along with a few changes in name. At their Sept 24 meeting, the SAH accepted the new code points, along with additional characters sponsored by the IPA.

At the October UTC meeting, the SAH rescinded the code-points approved in July. Ken Whistler explained that this was a UTC formality, because the UTC had to go on record to change anything they had approved in July. Rather than detailing the changes, he explained that ‘it is much cleaner to simply unapprove the lot, and then approve the new lot with the new code points and names.’

Following is a list of the characters and code-points approved by the UTC in July on the left, compared to the new assignments accepted by the SAH in Sept and again in October on the right.

Four characters have been renamed. The affected words are highlighted in red below. Note that AB6E → 1DF01 is defined by the ICPLA as an IPA script *g*, and ‘script’ had been in the name as it was originally proposed. The SAH accepted Everson’s rationale for restoring the original name in their August meeting. Similarly, A7CF → 10780 is defined by the ICPLA as a small capital, and ‘small capital’ had been in its name as originally proposed.

July code-point and name

AB6C LATIN LETTER **TURNED** SMALL CAPITAL G
AB6D LATIN SMALL LETTER REVERSED K
AB6E LATIN SMALL LETTER REVERSED G
AB6F LATIN SMALL LETTER REVERSED ENG
A7CB LATIN SMALL LETTER FENG DIGRAPH WITH TRILL
A7CC LATIN SMALL LETTER LEZH WITH RETROFLEX HOOK
A7CD LATIN SMALL LETTER TURNED Y WITH BELT
A7CE LATIN LETTER SMALL CAPITAL L WITH BELT

October code-point and name, if changed

1DF02 LATIN LETTER SMALL CAPITAL **TURNED** G
1DF03
1DF01 LATIN SMALL LETTER REVERSED **SCRIPT** G
1DF07
1DF00
1DF05
1DF06
1DF04

L2/20-116R



A7CF	MODIFIER LETTER CAPITAL AA	10780	MODIFIER LETTER SMALL CAPITAL AA	L2/20-116R
A7D0	MODIFIER LETTER SMALL L WITH BELT	1079B		↓
A7D1	MODIFIER LETTER SMALL LEZH	1079E		
A7D2	MODIFIER LETTER SMALL L WITH RETROFLEX HOOK AND BELT	1079D		
A7D3	MODIFIER LETTER SMALL LEZH WITH RETROFLEX HOOK	1079F		
A7D4	MODIFIER LETTER SMALL TURNED Y WITH BELT	107A1		
A7D5	MODIFIER LETTER SMALL CAPITAL L WITH BELT	1079C		
A7D6	MODIFIER LETTER SMALL LS DIGRAPH	10799		
A7D7	MODIFIER LETTER SMALL LZ DIGRAPH	1079A		
A7D8	MODIFIER LETTER SMALL FENG DIGRAPH	10790		
A7F0	LATIN SMALL LETTER ESH WITH DOUBLE BAR	1DF0B		
A7F1	LATIN LETTER RETROFLEX CLICK WITH RETROFLEX HOOK	1DF0A		↓
A7F2	LATIN SMALL LETTER T WITH TOP HOOK AND RETROFLEX HOOK	1DF09	LATIN SMALL LETTER T WITH HOOK AND RETROFLEX HOOK	L2/20-125R
A7F3	LATIN SMALL LETTER TURNED R WITH LONG LEG AND RETROFLEX HOOK	1DF08		↓
A7F4	LATIN SMALL LETTER L WITH FISHHOOK	1DF11		
10780	LATIN SMALL LETTER TURNED T WITH CURL	1DF0D		L2/20-115R
10781	LATIN LETTER INVERTED GLOTTAL STOP WITH CURL	1DF0E		↓
10782	LATIN SMALL LETTER ESH WITH DOUBLE BAR AND CURL	1DF0C		
10783	LATIN LETTER STRETCHED C WITH CURL	1DF0F		
10784	LATIN LETTER SMALL CAPITAL TURNED K	1DF10		
10790	LATIN SMALL LETTER O WITH RETROFLEX HOOK	1DF1B		
10791	LATIN SMALL LETTER I WITH STROKE AND RETROFLEX HOOK	1DF1A		
10793	LATIN SMALL LETTER TESH WITH RETROFLEX HOOK	1DF1C		
10794	LATIN SMALL LETTER L WITH BELT AND PALATAL HOOK	1DF13		
10795	LATIN SMALL LETTER ENG WITH PALATAL HOOK	1DF14		
10796	LATIN SMALL LETTER TURNED R WITH PALATAL HOOK	1DF15		
10797	LATIN SMALL LETTER R WITH FISHHOOK AND PALATAL HOOK	1DF16		
10798	LATIN SMALL LETTER EZH WITH PALATAL HOOK	1DF18		
10799	LATIN SMALL LETTER DEZH WITH PALATAL HOOK	1DF12		
1079A	LATIN SMALL LETTER TESH WITH PALATAL HOOK	1DF17		L2/20-125R