

Irish comments on FPDAM 6 for ISO/IEC 10646:2003

Reference: SC2 N4049

Closes: 2009-03-25

Date: 2009-03-25

Ireland **disapproves** the draft with the technical and editorial comments given below. Acceptance of these comments and appropriate changes to the text will change our vote to approval.

Technical comments

T1. Page 30-1348, Clause 34, Code Tables and list of character names and New blocks. If T3 below is accepted, add “18C6-18DF, 18F3-18F5” in FDAM 6.

T2. Page 6, Annex A.2.1. For “United Canadian Aboriginal Syllabics Extended-A”, read “Unified Canadian Aboriginal Syllabics Extended”.

T3. Page 38, Row 18B: Unified Canadian Aboriginal Syllabics Extended. With reference to ISO/IEC JTC1/SC2/WG2 N3533R “Proposed Revision for Unified Canadian Aboriginal Syllabics Extended Block”, Ireland requests that the characters shown in yellow in FPDAM 6 be rearranged as shown in the second of the three charts in that document. Ireland is confident in the technical content of this repertoire and would not oppose the transfer of the Canadian Syllabics characters in PDAM 7 to FDAM 6, but does not insist on such a transfer.

T4. Page 42, Row 1CD: Vedic Extensions. Ireland requests that the name of 1CD4 be changed from VEDIC SIGN YAJURVEDIC KASHMIRI SVARITA to VEDIC SIGN YAJUR-VEDIC MIDLINE SVARITA.

T5. Page 81, Row AA6: Myanmar Extended-A. With reference to ISO/IEC JTC1/SC2/WG2 N3594 “Proposal for encoding one additional Myanmar character for Pa’o Karen in the UCS”, Ireland requests that a new character AA7B MYANMAR SIGN PAO KAREN TONE be added to FDAM 6.

T6. Page 82, Row ABC: Meetei Mayek. With reference to ISO/IEC JTC1/SC2/WG2 N3478R “Proposed Encoding for Meetei Mayek Extended Block”, Ireland requests that a new block “Meetei Mayek Extensions” beginning at AAE0 be added to FDAM 6.

T7. Page 87, Row 10A6: Old South Arabian. Ireland would like to clarify some things about three sibilants under ballot, in anticipation of editorial comments we have seen to be proposed by the US National Body. There are two issues here. The first is the genetic relationship of the graphic characters, and the second is the phonetic use to which they are put.

10A66 𐩵 OLD SOUTH ARABIAN LETTER SHIN, transliterated š or s₂, representing [ʃ], corresponds in a genetic relationship directly to:

- 10914 𐤱 PHOENICIAN LETTER SHIN, [ʃ]
- 1220 ፯ ETHIOPIIC SYLLABLE SZA or śawt, Ge’ez [ʃ], Amharic [s]
- 05E9 𐤱 HEBREW LETTER SHIN, represents three sounds (according to Richard Goerwitz) in reconstructed mid-2nd Millennium Hebrew *[ʃ ʃ s], and two sounds in Tiberian Hebrew [ʃ s] and in Modern Hebrew [ʃ s].

Ireland proposed to name this character according to its genetic relationship to characters in other Semitic scripts. Since the reconstructed original sound represented by this graphic characters is *[ʃ], we are not quite sure why the US National Body would wish to annotate this character as “the sound represented by this letter is cognate with Classical and Modern

Hebrew sin”, since what we have is a three-way proto-Semitic distinction *[ʃ ʃ s] falling together as [ʃ s] in Hebrew, with (pointed) ש representing [ʃ] and (pointed) ש and ש representing [s]. In any case the annotation seems imprecise. One might say “the sound represented by this letter is cognate with the sound represented by Classical and Modern Hebrew sin”, but then the sound is likewise cognate with sounds in other languages, and Hebrew samekh and sin both represent the same sound, [s].

10A66 𐩦 OLD SOUTH ARABIAN LETTER SAMEKH, transliterated s or s₁, representing [s], corresponds in a genetic relationship directly to:

- 1090E 𐤌 PHOENICIAN LETTER SEMK, [s]
- 1220 ። ETHIOPIIC SYLLABLE SZA or sāt, Ge‘ez [s], Amharic [s]
- 05E9 ש HEBREW LETTER SAMEKH, reconstructed mid-2nd Millennium Hebrew [ts], Tiberian Hebrew [s], Modern Hebrew [s]

Ireland proposed to name this character according to its genetic relationship to characters in other Semitic scripts. Since the reconstructed original sound is *[s], we are not quite sure why the US National Body would wish to annotate this character as “the sound represented by this letter is cognate with Classical and Modern Hebrew shin”, since Phoenician, Ge‘ez, Amharic, and Hebrew all have [s] for samekh.

10A66 𐩦 OLD SOUTH ARABIAN LETTER SIN, transliterated ś or s₃, representing dental [s̪], has no genetic character correspondence with Phoenician, Ethiopic, or Hebrew. (The character looks, superficially at least, like two back-to-back 𐩦 characters.) We are not sure why the US National Body would wish to annotate this character as “the sound represented by this letter is cognate with Classical and Modern Hebrew samekh”.

T7a. It seems that the US National Body comments attempt to encapsulate encyclopaedic information that cannot really be encapsulated. At a minimum an explanation (with examples) is needed to determine just what the intent here is.

T7b. Ireland believes that it is both anachronistic and misleading to use the name SIN for this Old South Arabian character (since it has no real genetically correspondant character in other Semitic scripts), and, accordingly, requests that the name be changed to the neutral OLD SOUTH ARABIAN LETTER SE, as documented previously in our comments on PDAM 6.2 (2008-09-23).

T8. **Page 95, Row 1108: Kaithi.** With reference to ISO/IEC JTC1/SC2/WG2 N3574 “Proposal to Encode Section Marks for Kaithi in ISO/IEC 10646”, Ireland requests that two characters be added to this block:

110BE KAITHI SECTION MARK

110BF KAITHI DOUBLE SECTION MARK

T9. **Page 97, Row 1F10: Enclosed Alphanumeric Supplement.** Ireland requests that the set of characters between 1F130..1F148, 1F150..1F168, and 1F170..1F188 be encoded completely and comprehensively. It is clear from the configuration in the code table what characters are intended to fill in the empty spaces, and it is clear that no other characters are expected to be encoded there. Already we have seen a request for three additions at 1F170, 1F171, and 1F17E. It is certain that the remainder of the characters will one day turn up, and it is a false economy and a waste of valuable resources to delay encoding this set as a complete set now. Ireland also requests that the letters on the ballot named WHITE ON BLACK CIRCLED LATIN LETTER and WHITE ON BLACK SQUARED LATIN LETTER be renamed to NEGATIVE CIRCLED LATIN LETTER and NEGATIVE SQUARED LATIN

LETTER respectively. We also request for the following informative annotations to a number of characters as outlined here.

- 1F12E CIRCLED WZ
- 1F130 SQUARED LATIN CAPITAL LETTER A
= Anreisetag (day of arrival)
- 1F131 SQUARED LATIN CAPITAL LETTER B
= bank
- 1F130 SQUARED LATIN CAPITAL LETTER T
= tobacconist
- 1F14F SQUARED WC
= public toilet
- 1F150 NEGATIVE CIRCLED LATIN CAPITAL LETTER A
= airport
- 1F155 NEGATIVE CIRCLED LATIN CAPITAL LETTER F
= ferry
- 1F15A NEGATIVE CIRCLED LATIN CAPITAL LETTER K
= Kurort (spa)
- 1F15B NEGATIVE CIRCLED LATIN CAPITAL LETTER L
= light rail
- 1F15C NEGATIVE CIRCLED LATIN CAPITAL LETTER M
= metro
- 1F161 NEGATIVE CIRCLED LATIN CAPITAL LETTER R
= Raststätte (rest stop)
- 1F162 NEGATIVE CIRCLED LATIN CAPITAL LETTER S
= Stadtbahn (metropolitan railway)
- 1F163 NEGATIVE CIRCLED LATIN CAPITAL LETTER T
= Tankstelle (petrol station)
- 1F164 NEGATIVE CIRCLED LATIN CAPITAL LETTER U
= underground rail
- 1F170 NEGATIVE SQUARED LATIN CAPITAL LETTER A
= blood type A
- 1F171 NEGATIVE SQUARED LATIN CAPITAL LETTER B
= blood type B
- 1F172 NEGATIVE SQUARED LATIN CAPITAL LETTER C
= centre, city centre
- 1F175 NEGATIVE SQUARED LATIN CAPITAL LETTER F
= Feuerwache (fire department)
- 1F177 NEGATIVE SQUARED LATIN CAPITAL LETTER H
= hospital
= Haltstelle (halting place)
- 1F17E NEGATIVE SQUARED LATIN CAPITAL LETTER O
= blood type O
- 1F18E NEGATIVE SQUARED AB
= blood type AB
- 1F17F NEGATIVE SQUARED WC
= public toilet

The code table corresponding to this comments is attached below.

Editorial comments

E1. Amendment text.

For “Page 2, Clause 3 Normative references”, read “Page 2, Clause 3, Normative references”.

For “Page 14, Sub-clause 20.3 Format characters”, read “Page 14, Sub-clause, 20.3 Format characters”.

For “Page 25, Clause 29 Named UCS Sequence Identifiers”, read “Page 25, Clause 29, Named UCS Sequence Identifiers”.

For “Page 30-1348 Clause 34, Code Tables and list of character names”, read “Page 30-1348, Clause 34, Code Tables and list of character names”.

For “Page 1351, annex A.1”, read “Page 1351, Annex A.1”.

For “Page 1357, Annex A.6 Unicode Collections”, read “Page 1357, Annex A.6, Unicode Collections”.

For “Page 1358, Annex B List of combining characters”, read “Page 1358, Annex B, List of combining characters”.

E2. Page 1358, Annex B, List of combining characters. Check to remove a leading space before the word MYANMAR at 109A, 109B, 109C.

E3. Page 7, Row 050: Cyrillic Supplement. Ireland suggests that that the following notes be used for consistency:

Letters for Enets and Khanty

0510 CYRILLIC CAPITAL LETTER REVERSED ZE

..

Letters for Chukchi, Itelman, and Khanty

0512 CYRILLIC CAPITAL LETTER EL WITH HOOK

..

Letters for Aleut

051E CYRILLIC CAPITAL LETTER ALEUT KA

..

Letters for Abkhaz

0524 CYRILLIC CAPITAL LETTER PE WITH DESCENDER

0525 CYRILLIC SMALL LETTER PE WITH DESCENDER

- used in modern Abkhaz orthography
- 04A7 cyrillic small letter pe with hook

E4. Page 14, Row 090: Devanagari. Ireland suggests that that the glyph for 0955 be centred like 0945.

E5. Page 20, Row 0F0: Tibetan. Ireland suggests that that the following notes be used:

0FCC TIBETAN SYMBOL NOR BU BZHI -KHYIL

- the quadruple body symbol, a form of the svastika
- 0FD6 left-facing svasti sign

E6. Page 55, Row 260: Miscellaneous Symbols. Ireland suggests that the glyph for 26DF be made larger. We also request the following annotation:

26DF BLACK TRUCK

= black lorry

E7. Page 72, Row A4D: Lisu. Ireland recommends the replacement of the font used for Lisu with the table shown below. This font was prepared by the original submitter of the Lisu proposal, David Morse, and better reflects community glyph preferences.

E8. Page 100, Row 1F20: Enclosed Ideographic Supplement. Ireland suggests that the annotation to 1F243 be changed to “safe” and that the annotation to 1F248 be changed to “steal”.

... zum Ortszentrum

C Entfernung zur nächstgelegenen ... km Ortsmitte

Diese Angaben beziehen sich auf eine entsprechende Mitteilung der Platzverwaltung.

... zur Haltestelle

H Entfernung zur nächstgelegenen Haltestelle eines öffentlichen Verkehrsmittels ... km

Insbesondere dem Wohnmobilmfahrer, der auch ohne Fahrzeug stets mobil bleiben will,

Mischwald. Am südlichen Ausläufer der übe Schallbereich der Küstenstraße. An der 5 km. 0,05 km. Sanitäre Ausstattung sportlichen Betätigung, zur Unterhaltung soll ein Teil der Sanitäreinrichtungen, die im werden. Startplatz für Drachenflieger und Parag et und dem Inselreservat Banc-d'Arguin. Preise: Kein sur-Mer pylacamping@free.fr 05 56 22 74 56

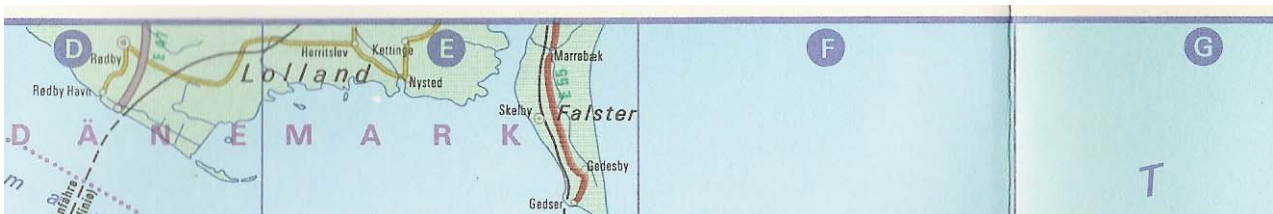
~30.9. 5-70m 11ha 393Tou (-80-120m k+w k+w 120 160(ab 7m 0,3km

Pyla-sur-Mer

Yelloh! Vill Pinienwald südlich der über 100 m hohen D weise durch niedrige Hecken begrenzt. Blick steile Holzterre zum mehrere 100 m lang rosse-Plage), beschildert. 7 km. 0,05 ki Unterhaltung sowie für Kinder. Massagear de planmäßig renoviert, zwei weitere sollen 2004 err

NEGATIVE SQUARED LATIN CAPITAL LETTER C

NEGATIVE SQUARED LATIN CAPITAL LETTER H



NEGATIVE CIRCLED LATIN CAPITAL LETTER D

NEGATIVE CIRCLED LATIN CAPITAL LETTER E

NEGATIVE CIRCLED LATIN CAPITAL LETTER F

NEGATIVE CIRCLED LATIN CAPITAL LETTER G

(From a German map. All letters are implied in this usage.)



NEGATIVE SQUARED LATIN CAPITAL LETTER G

NEGATIVE SQUARED LATIN CAPITAL LETTER H

NEGATIVE SQUARED LATIN CAPITAL LETTER I

NEGATIVE SQUARED LATIN CAPITAL LETTER J

(From a Bulgarian tourist map. All letters are implied in this usage.)

Gemeinde 2334 Baabe/Rügen (I) A/33

2335 Baabe tags 3120 1 km 2 km 2,5 km 2,8 km Baabe 1 km Baabe 1 km F 196

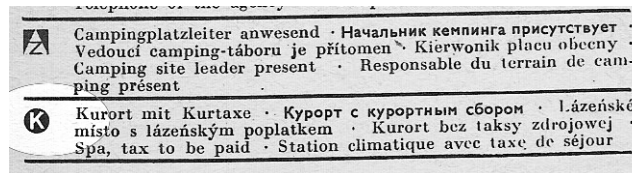
Mittwoch

Museum „Mönchgut“, Hünengräber; Jagdschloß Granitz; Kreidefelsen Stubbenkammer; Königsstuhl; Hünengrab Alt Reddevitz; Naturpark in Putbus; Fahrten nach Hiddensee und Kap Arkona; Baken-Berg

NEGATIVE CIRCLED LATIN CAPITAL LETTER K

NEGATIVE SQUARED WC

SQUARED LATIN CAPITAL LETTER A



NEGATIVE CIRCLED LATIN CAPITAL LETTER K



NEGATIVE SQUARED WC



SQUARED LATIN CAPITAL LETTER B
 SQUARED LATIN CAPITAL LETTER P
 SQUARED LATIN CAPITAL LETTER T
 SQUARED WC



NEGATIVE CIRCLED LATIN CAPITAL LETTER A
 NEGATIVE CIRCLED LATIN CAPITAL LETTER L
 NEGATIVE CIRCLED LATIN CAPITAL LETTER F

	1F10	1F11	1F12	1F13	1F14	1F15	1F16	1F17	1F18	1F19	1F1A	1F1B	1F1C	1F1D	1F1E	1F1F
0	0. 1F100	(A) 1F110	(Q) 1F120	A 1F130	Q 1F140	A 1F150	Q 1F160	A 1F170	Q 1F180	DJ 1F190						
1	0, 1F101	(B) 1F111	(R) 1F121	B 1F131	R 1F141	B 1F151	R 1F161	B 1F171	R 1F181							
2	1, 1F102	(C) 1F112	(S) 1F122	C 1F132	S 1F142	C 1F152	S 1F162	C 1F172	S 1F182							
3	2, 1F103	(D) 1F113	(T) 1F123	D 1F133	T 1F143	D 1F153	T 1F163	D 1F173	T 1F183							
4	3, 1F104	(E) 1F114	(U) 1F124	E 1F134	U 1F144	E 1F154	U 1F164	E 1F174	U 1F184							
5	4, 1F105	(F) 1F115	(V) 1F125	F 1F135	V 1F145	F 1F155	V 1F165	F 1F175	V 1F185							
6	5, 1F106	(G) 1F116	(W) 1F126	G 1F136	W 1F146	G 1F156	W 1F166	G 1F176	W 1F186							
7	6, 1F107	(H) 1F117	(X) 1F127	H 1F137	X 1F147	H 1F157	X 1F167	H 1F177	X 1F187							
8	7, 1F108	(I) 1F118	(Y) 1F128	I 1F138	Y 1F148	I 1F158	Y 1F168	I 1F178	Y 1F188							
9	8, 1F109	(J) 1F119	(Z) 1F129	J 1F139	Z 1F149	J 1F159	Z 1F169	J 1F179	Z 1F189							
A	9, 1F10A	(K) 1F11A	(S) 1F12A	K 1F13A	HV 1F14A	K 1F15A		K 1F17A	R 1F18A							
B		(L) 1F11B	(C) 1F12B	L 1F13B	MV 1F14B	L 1F15B		L 1F17B	IC 1F18B							
C		(M) 1F11C	(R) 1F12C	M 1F13C	SD 1F14C	M 1F15C		M 1F17C	PA 1F18C							
D		(N) 1F11D	(CD) 1F12D	N 1F13D	SS 1F14D	N 1F15D		N 1F17D	SA 1F18D							
E		(O) 1F11E	(Wz) 1F12E	O 1F13E	PPV 1F14E	O 1F15E		O 1F17E	AB 1F18E							
F		(P) 1F11F		P 1F13F	WC 1F14F	P 1F15F		P 1F17F	WC 1F18F							

UTC: 2009-02-06
 WG2: \$\$\$\$
 contact: Karl Pentzlin,
 Markus Scherer
 document: L2/09-026,
 L2/09-034
 font: Apple Emoji
 target: Amd7

Number with full stop

1F100 **0.** DIGIT ZERO FULL STOP
 ≈ 0030 **0** 002E .

Numbers with comma

1F101 **0,** DIGIT ZERO COMMA
 ≈ 0030 **0** 002C ,
 1F102 **1,** DIGIT ONE COMMA
 ≈ 0031 **1** 002C ,
 1F103 **2,** DIGIT TWO COMMA
 ≈ 0032 **2** 002C ,
 1F104 **3,** DIGIT THREE COMMA
 ≈ 0033 **3** 002C ,
 1F105 **4,** DIGIT FOUR COMMA
 ≈ 0034 **4** 002C ,
 1F106 **5,** DIGIT FIVE COMMA
 ≈ 0035 **5** 002C ,
 1F107 **6,** DIGIT SIX COMMA
 ≈ 0036 **6** 002C ,
 1F108 **7,** DIGIT SEVEN COMMA
 ≈ 0037 **7** 002C ,
 1F109 **8,** DIGIT EIGHT COMMA
 ≈ 0038 **8** 002C ,
 1F10A **9,** DIGIT NINE COMMA
 ≈ 0039 **9** 002C ,

Parenthesized Latin letters

1F110 **(A)** PARENTHESIZED LATIN CAPITAL LETTER
 A
 ≈ 0028 (0041 **A** 0029)
 1F111 **(B)** PARENTHESIZED LATIN CAPITAL LETTER
 B
 ≈ 0028 (0042 **B** 0029)
 1F112 **(C)** PARENTHESIZED LATIN CAPITAL LETTER
 C
 ≈ 0028 (0043 **C** 0029)
 1F113 **(D)** PARENTHESIZED LATIN CAPITAL LETTER
 D
 ≈ 0028 (0044 **D** 0029)
 1F114 **(E)** PARENTHESIZED LATIN CAPITAL LETTER
 E
 ≈ 0028 (0045 **E** 0029)
 1F115 **(F)** PARENTHESIZED LATIN CAPITAL LETTER
 F
 ≈ 0028 (0046 **F** 0029)
 1F116 **(G)** PARENTHESIZED LATIN CAPITAL LETTER
 G
 ≈ 0028 (0047 **G** 0029)
 1F117 **(H)** PARENTHESIZED LATIN CAPITAL LETTER
 H
 ≈ 0028 (0048 **H** 0029)
 1F118 **(I)** PARENTHESIZED LATIN CAPITAL LETTER
 I
 ≈ 0028 (0049 **I** 0029)
 1F119 **(J)** PARENTHESIZED LATIN CAPITAL LETTER
 J
 ≈ 0028 (004A **J** 0029)
 1F11A **(K)** PARENTHESIZED LATIN CAPITAL LETTER
 K
 ≈ 0028 (004B **K** 0029)

1F11B **(L)** PARENTHESIZED LATIN CAPITAL LETTER
 L
 ≈ 0028 (004C **L** 0029)
 1F11C **(M)** PARENTHESIZED LATIN CAPITAL LETTER
 M
 ≈ 0028 (004D **M** 0029)
 1F11D **(N)** PARENTHESIZED LATIN CAPITAL LETTER
 N
 ≈ 0028 (004E **N** 0029)
 1F11E **(O)** PARENTHESIZED LATIN CAPITAL LETTER
 O
 ≈ 0028 (004F **O** 0029)
 1F11F **(P)** PARENTHESIZED LATIN CAPITAL LETTER
 P
 ≈ 0028 (0050 **P** 0029)
 1F120 **(Q)** PARENTHESIZED LATIN CAPITAL LETTER
 Q
 ≈ 0028 (0051 **Q** 0029)
 1F121 **(R)** PARENTHESIZED LATIN CAPITAL LETTER
 R
 ≈ 0028 (0052 **R** 0029)
 1F122 **(S)** PARENTHESIZED LATIN CAPITAL LETTER
 S
 ≈ 0028 (0053 **S** 0029)
 1F123 **(T)** PARENTHESIZED LATIN CAPITAL LETTER
 T
 ≈ 0028 (0054 **T** 0029)
 1F124 **(U)** PARENTHESIZED LATIN CAPITAL LETTER
 U
 ≈ 0028 (0055 **U** 0029)
 1F125 **(V)** PARENTHESIZED LATIN CAPITAL LETTER
 V
 ≈ 0028 (0056 **V** 0029)
 1F126 **(W)** PARENTHESIZED LATIN CAPITAL LETTER
 W
 ≈ 0028 (0057 **W** 0029)
 1F127 **(X)** PARENTHESIZED LATIN CAPITAL LETTER
 X
 ≈ 0028 (0058 **X** 0029)
 1F128 **(Y)** PARENTHESIZED LATIN CAPITAL LETTER
 Y
 ≈ 0028 (0059 **Y** 0029)
 1F129 **(Z)** PARENTHESIZED LATIN CAPITAL LETTER
 Z
 ≈ 0028 (005A **Z** 0029)

Latin letter with tortoise shell brackets

1F12A **[S]** TORTOISE SHELL BRACKETED LATIN
 CAPITAL LETTER S
 = baseball scoring
 ≈ 3014 (0053 **S** 3015)

Circled italic Latin letters

1F12B **©** CIRCLED ITALIC LATIN CAPITAL LETTER
 C
 = compact disc or single disc record
 ≈ <circle> 0043 **C**
 1F12C **®** CIRCLED ITALIC LATIN CAPITAL LETTER
 R
 = disc record
 ≈ <circle> 0052 **R**

Circled Latin letters

- 1F12D **Ⓒ** CIRCLED CD
→ 33C5 cd square cd
≈ <circle> 0043 C 0044 D
- 1F12E **Ⓦ** CIRCLED WZ
• from the German term “Warenzeichen”
• indicates a trademarked term without making a legal claim of trademark status
≈ <circle> 0057 W 007A z

Squared Latin letters

- 1F130 **Ⓐ** SQUARED LATIN CAPITAL LETTER A
= Anreisetag (day of arrival)
≈ <square> 0041 A
- 1F131 **Ⓑ** SQUARED LATIN CAPITAL LETTER B
= b-mode stereo compression broadcasting service ARIB STD B24
= bank
≈ <square> 0042 B
- 1F132 **Ⓒ** SQUARED LATIN CAPITAL LETTER C
≈ <square> 0043 C
- 1F133 **Ⓓ** SQUARED LATIN CAPITAL LETTER D
≈ <square> 0044 D
- 1F134 **Ⓔ** SQUARED LATIN CAPITAL LETTER E
≈ <square> 0045 E
- 1F135 **Ⓕ** SQUARED LATIN CAPITAL LETTER F
≈ <square> 0046 F
- 1F136 **Ⓖ** SQUARED LATIN CAPITAL LETTER G
≈ <square> 0047 G
- 1F137 **Ⓗ** SQUARED LATIN CAPITAL LETTER H
≈ <square> 0048 H
- 1F138 **Ⓘ** SQUARED LATIN CAPITAL LETTER I
≈ <square> 0049 I
- 1F139 **Ⓙ** SQUARED LATIN CAPITAL LETTER J
≈ <square> 004A J
- 1F13A **Ⓚ** SQUARED LATIN CAPITAL LETTER K
≈ <square> 004B K
- 1F13B **Ⓛ** SQUARED LATIN CAPITAL LETTER L
≈ <square> 004C L
- 1F13C **Ⓜ** SQUARED LATIN CAPITAL LETTER M
≈ <square> 004D M
- 1F13D **Ⓝ** SQUARED LATIN CAPITAL LETTER N
= news ARIB STD B24
≈ <square> 004E N
- 1F13E **Ⓞ** SQUARED LATIN CAPITAL LETTER O
≈ <square> 004F O
- 1F13F **Ⓟ** SQUARED LATIN CAPITAL LETTER P
= progressive broadcasting ARIB STD B24
≈ <square> 0050 P
- 1F140 **Ⓠ** SQUARED LATIN CAPITAL LETTER Q
≈ <square> 0051 Q
- 1F141 **Ⓡ** SQUARED LATIN CAPITAL LETTER R
≈ <square> 0052 R
- 1F142 **Ⓢ** SQUARED LATIN CAPITAL LETTER S
= stereo broadcasting service ARIB STD B24
≈ <square> 0053 S
- 1F143 **Ⓣ** SQUARED LATIN CAPITAL LETTER T
= tobacconist
≈ <square> 0054 T
- 1F144 **Ⓤ** SQUARED LATIN CAPITAL LETTER U
≈ <square> 0055 U

- 1F145 **Ⓥ** SQUARED LATIN CAPITAL LETTER V
≈ <square> 0056 V
- 1F146 **Ⓦ** SQUARED LATIN CAPITAL LETTER W
= wide-format 16:9 broadcasting service ARIB STD B24
≈ <square> 0057 W
- 1F147 **Ⓧ** SQUARED LATIN CAPITAL LETTER X
≈ <square> 0058 X
- 1F148 **Ⓨ** SQUARED LATIN CAPITAL LETTER Y
≈ <square> 0059 Y
- 1F149 **Ⓩ** SQUARED LATIN CAPITAL LETTER Z
≈ <square> 005A Z
- 1F14A **ⓂⓋ** SQUARED HV
= hdtv
≈ <square> 0048 H 0056 V
- 1F14B **ⓂⓋ** SQUARED MV
= multi-view television
≈ <square> 004D M 0056 V
- 1F14C **ⓈⓉ** SQUARED SD
= sdtv
≈ <square> 0053 S 0044 D
- 1F14D **ⓈⓈ** SQUARED SS
= surround stereo broadcasting service
≈ <square> 0053 S 0053 S
- 1F14E **ⓅⓋ** SQUARED PPV
= pay-per-view
≈ <square> 0050 P 0050 P 0056 V
- 1F14F **ⓌⓈ** SQUARE WC
= water closet, public toilet
≈ <square> 0057 W 0043 C

Negative circled Latin letters

- 1F150 **Ⓐ** NEGATIVE CIRCLED LATIN CAPITAL LETTER A
= airport
- 1F151 **Ⓑ** NEGATIVE CIRCLED LATIN CAPITAL LETTER B
- 1F152 **Ⓒ** NEGATIVE CIRCLED LATIN CAPITAL LETTER C
- 1F153 **Ⓓ** NEGATIVE CIRCLED LATIN CAPITAL LETTER D
- 1F154 **Ⓔ** NEGATIVE CIRCLED LATIN CAPITAL LETTER E
- 1F155 **Ⓕ** NEGATIVE CIRCLED LATIN CAPITAL LETTER F
= ferry
- 1F156 **Ⓖ** NEGATIVE CIRCLED LATIN CAPITAL LETTER G
- 1F157 **Ⓗ** NEGATIVE CIRCLED LATIN CAPITAL LETTER H
= hotel ARIB STD B24
- 1F158 **Ⓘ** NEGATIVE CIRCLED LATIN CAPITAL LETTER I
- 1F159 **Ⓙ** NEGATIVE CIRCLED LATIN CAPITAL LETTER J
- 1F15A **Ⓚ** NEGATIVE CIRCLED LATIN CAPITAL LETTER K
= Kurort (spa)
- 1F15B **Ⓛ** NEGATIVE CIRCLED LATIN CAPITAL LETTER L
= light rail
- 1F15C **Ⓜ** NEGATIVE CIRCLED LATIN CAPITAL LETTER M
= metro

- 1F15D **N** NEGATIVE CIRCLED LATIN CAPITAL LETTER N
- 1F15E **O** NEGATIVE CIRCLED LATIN CAPITAL LETTER O
- 1F15F **P** NEGATIVE CIRCLED LATIN CAPITAL LETTER P
= parking space ARIB STD B24
- 1F160 **Q** NEGATIVE CIRCLED LATIN CAPITAL LETTER Q
- 1F161 **R** NEGATIVE CIRCLED LATIN CAPITAL LETTER R
= Raststätte (rest stop)
- 1F162 **S** NEGATIVE CIRCLED LATIN CAPITAL LETTER S
= Stadtbahn (metropolitan railway)
- 1F163 **T** NEGATIVE CIRCLED LATIN CAPITAL LETTER T
= Tankstelle (petrol station)
- 1F164 **U** NEGATIVE CIRCLED LATIN CAPITAL LETTER U
= underground rail
- 1F165 **V** NEGATIVE CIRCLED LATIN CAPITAL LETTER V
- 1F166 **W** NEGATIVE CIRCLED LATIN CAPITAL LETTER W
- 1F167 **X** NEGATIVE CIRCLED LATIN CAPITAL LETTER X
- 1F168 **Y** NEGATIVE CIRCLED LATIN CAPITAL LETTER Y
- 1F169 **Z** NEGATIVE CIRCLED LATIN CAPITAL LETTER Z

Negative squared Latin letters

The square edges may be slightly rounded.

- 1F170 **A** NEGATIVE SQUARED LATIN CAPITAL LETTER A
= blood type A
- 1F171 **B** NEGATIVE SQUARED LATIN CAPITAL LETTER B
= blood type B
- 1F172 **C** NEGATIVE SQUARED LATIN CAPITAL LETTER C
= city centre, town centre
- 1F173 **D** NEGATIVE SQUARED LATIN CAPITAL LETTER D
- 1F174 **E** NEGATIVE SQUARED LATIN CAPITAL LETTER E
- 1F175 **F** NEGATIVE SQUARED LATIN CAPITAL LETTER F
= Feuerwache (fire department)
- 1F176 **G** NEGATIVE SQUARED LATIN CAPITAL LETTER G
- 1F177 **H** NEGATIVE SQUARED LATIN CAPITAL LETTER H
= Haltestelle (halting place)
- 1F178 **I** NEGATIVE SQUARED LATIN CAPITAL LETTER I
- 1F179 **J** NEGATIVE SQUARED LATIN CAPITAL LETTER J
= junction ARIB STD B24
- 1F17A **K** NEGATIVE SQUARED LATIN CAPITAL LETTER K
- 1F17B **L** NEGATIVE SQUARED LATIN CAPITAL LETTER L
= leisure centre ARIB STD B24

- 1F17C **M** NEGATIVE SQUARED LATIN CAPITAL LETTER M
= museum or cultural centre ARIB STD B24
- 1F17D **N** NEGATIVE SQUARED LATIN CAPITAL LETTER N
- 1F17E **O** NEGATIVE SQUARED LATIN CAPITAL LETTER O
= blood type O
- 1F17F **P** NEGATIVE SQUARED LATIN CAPITAL LETTER P
= parking space empty-full ARIB STD B24
- 1F180 **Q** NEGATIVE SQUARED LATIN CAPITAL LETTER Q
- 1F181 **R** NEGATIVE SQUARED LATIN CAPITAL LETTER R
- 1F182 **S** NEGATIVE SQUARED LATIN CAPITAL LETTER S
- 1F183 **T** NEGATIVE SQUARED LATIN CAPITAL LETTER T
- 1F184 **U** NEGATIVE SQUARED LATIN CAPITAL LETTER U
- 1F185 **V** NEGATIVE SQUARED LATIN CAPITAL LETTER V
- 1F186 **W** NEGATIVE SQUARED LATIN CAPITAL LETTER W
- 1F187 **X** NEGATIVE SQUARED LATIN CAPITAL LETTER X
- 1F188 **Y** NEGATIVE SQUARED LATIN CAPITAL LETTER Y
- 1F189 **Z** NEGATIVE SQUARED LATIN CAPITAL LETTER Z
- 1F18A **P** CROSSED NEGATIVE SQUARED LATIN CAPITAL LETTER P
= parking space closed
- 1F18B **IC** NEGATIVE SQUARED IC
= interchange or ramp
- 1F18C **PA** NEGATIVE SQUARED PA
= parking area
- 1F18D **SA** NEGATIVE SQUARED SA
= service area
- 1F18E **AB** NEGATIVE SQUARED AB
= blood type AB
- 1F18F **WC** NEGATIVE SQUARED WC
= water closet, public toilet

Square Latin letters

- 1F190 **DJ** SQUARE DJ
= disc jockey
≈ <square> 0044 D 004A J

	A4D	A4E	A4F
0	B A4D0	N A4E0	E A4F0
1	P A4D1	L A4E1	Э A4F1
2	ɖ A4D2	S A4E2	I A4F2
3	D A4D3	R A4E3	O A4F3
4	T A4D4	ɹ A4E4	U A4F4
5	ɿ A4D5	ʌ A4E5	ɯ A4F5
6	G A4D6	V A4E6	ɿ A4F6
7	K A4D7	H A4E7	ɖ A4F7
8	ɣ A4D8	ɕ A4E8	. A4F8
9	J A4D9	ɹ A4E9	, A4F9
A	C A4DA	W A4EA	.. A4FA
B	ɕ A4DB	X A4EB	., A4FB
C	Z A4DC	Y A4EC	; A4FC
D	F A4DD	ɸ A4ED	: A4FD
E	ɸ A4DE	A A4EE	-. A4FE
F	M A4DF	ʌ A4EF	= A4FF

The name "Lisu" is preferred by the user community. Many linguists also use the name "Fraser" or "Fraser Lisu". Used for the Old Lisu orthography.

Consonants

A4D0	B	LISU LETTER BA
A4D1	P	LISU LETTER PA
A4D2	ɖ	LISU LETTER PHA
A4D3	D	LISU LETTER DA
A4D4	T	LISU LETTER TA
A4D5	ɿ	LISU LETTER THA
A4D6	G	LISU LETTER GA
A4D7	K	LISU LETTER KA
A4D8	ɣ	LISU LETTER KHA
A4D9	J	LISU LETTER JA
A4DA	C	LISU LETTER CA
A4DB	ɕ	LISU LETTER CHA
A4DC	Z	LISU LETTER DZA
A4DD	F	LISU LETTER TSA
A4DE	ɸ	LISU LETTER TSHA
A4DF	M	LISU LETTER MA
A4E0	N	LISU LETTER NA
A4E1	L	LISU LETTER LA
A4E2	S	LISU LETTER SA
A4E3	R	LISU LETTER ZHA
A4E4	ɹ	LISU LETTER ZA
A4E5	ʌ	LISU LETTER NGA
A4E6	V	LISU LETTER HA
A4E7	H	LISU LETTER XA
A4E8	ɕ	LISU LETTER HHA
A4E9	ɹ	LISU LETTER FA
A4EA	w	LISU LETTER WA
A4EB	x	LISU LETTER SHA
A4EC	y	LISU LETTER YA
A4ED	ɸ	LISU LETTER GHA

Vowels

A4EE	A	LISU LETTER A
A4EF	ʌ	LISU LETTER AE
A4F0	E	LISU LETTER E
A4F1	Э	LISU LETTER EU
A4F2	I	LISU LETTER I
A4F3	O	LISU LETTER O
A4F4	U	LISU LETTER U
A4F5	ɯ	LISU LETTER UE
A4F6	ɿ	LISU LETTER UH
A4F7	ɖ	LISU LETTER OE

Tones

A4F8	.	LISU LETTER TONE MYA TI
A4F9	,	LISU LETTER TONE NA PO
A4FA	..	LISU LETTER TONE MYA CYA
A4FB	.,	LISU LETTER TONE MYA BO
A4FC	;	LISU LETTER TONE MYA NA
A4FD	:	LISU LETTER TONE MYA JEU

Punctuation

A4FE	-.	LISU PUNCTUATION COMMA
A4FF	=	LISU PUNCTUATION FULL STOP