A.4.1A SMS/CBS 7-bit Punjabi (Gurmukhi) Alphabet (0x1A)

A.4.1A.1 SMS/CBS 7-bit Punjabi (Gurmukhi) Alphabet (0x1A) base table

b7					0	0	0	0	1	1	1	1
b6					0	0	1	1	0	0	1	1
b5					0	1	0	1	0	1	0	1
b4	b3	b2	b1		0	1	2	3	4	5	6	7
0	0	0	0	0	ਁ 0A01	ਐ 0A10	**SP** 0020	0 0030	ਬ 0A2C	ਾ 0A3E	ੵ 0A75	p 0070
0	0	0	1	1	ਂ 0A02	_ 005F	ਤ 0A24	1 0031	ਭ 0A2D	ਿ 0A3F	a 0061	q 0071
0	0	1	0	2	ਃ 0A03		ਟ 0A1F	2 0032	ਮ 0A2E	ੀ 0A40	b 0062	r 0072
0	0	1	1	3	ਅ 0A05	ੳ 0A13	# 0023	3 0033	ਯ 0A2F	ੁ 0A41	c 0063	s 0073
0	1	0	0	4	ਆ 0A06	ਔ 0A14	ਥ 0A25	4 0034	ਰ 0A30	ੂ 0A42	d 0064	t 0074
0	1	0	1	5	ਇ 0A07	ਕ 0A15	ਠ 0A20	5 0035	ੜ 0A5C		e 0065	u 0075
0	1	1	0	6	ਈ 0A08	ਖ 0A16	ਦ 0A26	6 0036	ਲ 0A32		f 0066	v 0076
0	1	1	1	7	ਉ 0A09	ਗ 0A17	ਡ 0A21	7 0037	ਲ਼ 0A33		g 0067	w 0077
1	0	0	0	8	ਊ 0A0A	ਘ 0A18	ਧ 0A27	8 0038			h 0068	x 0078
1	0	0	1	9	ੳ 0A73	ਙ 0A19	ਢ 0A22	9 0039	ਵ 0A35	ੇ 0A47	i 0069	y 0079
1	0	1	0	A	**LF** 000A	ਚ 0A1A	* 002A	: 003A	ਸ 0A38	ੈ 0A48	j 006A	z 007A
1	0	1	1	B		**SS2** ----	+ 002B	; 003B			k 006B	ੰ 0A70
1	1	0	0	C	ੲ 0A72	ਛ 0A1B	, 002C	ਣ 0A23	ਸ਼ 0A36		l 006C	ੱ 0A71
1	1	0	1	D	**CR** 000D	ਜ 0A1C	ਨ 0A28	ਪ 0A2A	ਹ 0A39	ੋ 0A4B	m 006D	ੑ 0A51
1	1	1	0	E		ਝ 0A1D	. 002E	ਫ 0A2B	਼ 0A3C	ੌ 0A4C	n 006E	□ 0A76
1	1	1	1	F	ਏ 0A0F	ਞ 0A1E	/ 002F	? 003F		੍ 0A4D	o 006F	

In the event that an MS receives a code where a symbol is not represented in the above table then the MS shall display the REPLACEMENT CHARACTER (U+FFFD).

LF: LINE FEED; moves to the next line (with implied carriage return).

CR: CARRIAGE RETURN; CR is not used as CR but is used as a filler after the actual SMS/CBS message text. CR should not occur inside a message text, but if it does, it must be converted to LF.. Note though that <SS2,CR> is actually CSI (se next table), and that "CR" is not a filler, nor LF.

SS2:   SINGLE SHIFT TWO; This code shifts the next 7-bit code unit to refer to an extension of this table (subclause A.4.1A.2). When splitting a message text into submessages, there must be no cut right after an SS2.

0A4D   GURMUKHI SIGN VIRAMA: This is a control character for forming conjuncts. If the display font does not support the requested conjunct, U+0A4D is a combining character with nominal glyph. In Gurmukhi, conjuncts are formed by using a subscript form of the second consonant.

A.4.1A.2 SMS/CBS 7-bit Punjabi (Gurmukhi) Alphabet (0x1A) extension (SS2) table

b4	b3	b2	b1	1B	0 (b7=0,b6=0,b5=0)	1 (b7=0,b6=0,b5=1)	2 (b7=0,b6=1,b5=0)	3 (b7=0,b6=1,b5=1)	4 (b7=1,b6=0,b5=0)	5 (b7=1,b6=0,b5=1)	6 (b7=1,b6=1,b5=0)	7 (b7=1,b6=1,b5=1)
0	0	0	0	0	@ 0040	< 003C	੪ 0A6A		| 007C	P 0050	¼ 00BC	⚠ 26A0
0	0	0	1	1	£ 00A3	= 003D	੫ 0A6B		A 0041	Q 0051	½ 00BD	∞ 221E
0	0	1	0	2	$ 0024	> 003E	੬ 0A6C		B 0042	R 0052	¾ 00BE	² 00B2
0	0	1	1	3	¥ 00A5	₹ 20B9	੭ 0A6D		C 0043	S 0053	" 201C	³ 00B3
0	1	0	0	4	§ 00A7	^ 005E	੮ 0A6E		D 0044	T 0054	" 201D	
0	1	0	1	5	" 0022		੯ 0A6F		E 0045	U 0055	¤ 00A4	
0	1	1	0	6	€ 20AC				F 0046	V 0056	Ω 03A9	
0	1	1	1	7	% 0025	(0028			G 0047	W 0057	µ 03BC	
1	0	0	0	8	& 0026	) 0029	{ 007B		H 0048	X 0058	° 00B0	
1	0	0	1	9	' 0027	। 0964	} 007D		I 0049	Y 0059	× 00D7	
1	0	1	0	A	FF 000C	॥ 0965	੧⁄੪ 0A67,2044,0A6A	≈ 2248	J 004A	Z 005A	÷ 00F7	
1	0	1	1	B	– 2212	SS3 ----	੧⁄੨ 0A67,2044,0A68	≠ 2260	K 004B		± 00B1	
1	1	0	0	C	! 0021	੦ 0A66	੩⁄੪ 0A69,2044,0A6A	[005B	L 004C		‰ 2030	
1	1	0	1	D	CSI 009B	੧ 0A67	≤ 2A7D	~ 007E	M 004D		« 00AB	
1	1	1	0	E	- 002D	੨ 0A68	≥ 2A7E	] 005D	N 004E		» 00BB	
1	1	1	1	F		੩ 0A69	\ 005C	· 00B7	O 004F		' 2019	

In the event that an MS receives a code where a symbol is not represented in the above table then the MS shall display the REPLACEMENT CHARACTER (U+FFFD).

FF: FORM FEED; This code is defined as a Page Break character (with implied carriage return). Any mobile station which does not have pagination shall treat is as a LF (with implied carriage return).

CSI: CONTROL SEQUENCE INTRODUCER; enables decimal character references, enables styling. An MS which does not support CSI shall convert it to REPLACEMENT CHARACTER

SS3: SINGLE SHIFT THREE; This code is reserved for the extension to another extension table. When splitting a message text into submessages, there must be no cut right after an SS3.

U+2044 FRACTION SLASH; the sequence may need to be isolated from adjacent digits by ZWNJ.