

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	ਁ	ਐ	SP	0	ਬ	ਾ	ਾ	p	
					0A01	0A10	0020	0030	0A2C	0A3E	0A75	0070	
0	0	0	1	1	ਂ	ਓ	ਤ	1	ਭ	ਿ	a	q	
					0A02	005F	0A24	0031	0A2D	0A3F	0061	0071	
0	0	1	0	2	ੰ		ਟ	2	ਮ	ੀ	b	r	
					0A03		0A1F	0032	0A2E	0A40	0062	0072	
0	0	1	1	3	ਅ	ਓ	#	3	ਯ	ੁ	c	s	
					0A05	0A13	0023	0033	0A2F	0A41	0063	0073	
0	1	0	0	4	ਆ	ਐ	ਬ	4	ਰ	ੁ	d	t	
					0A06	0A14	0A25	0034	0A30	0A42	0064	0074	
0	1	0	1	5	ਇ	ਕ	ਠ	5	ੜ		e	u	
					0A07	0A15	0A20	0035	0A5C		0065	0075	
0	1	1	0	6	ਈ	ਖ	ਦ	6	ਲ		f	v	
					0A08	0A16	0A26	0036	0A32		0066	0076	
0	1	1	1	7	ਉ	ਗ	ਡ	7	ਲ਼		g	w	
					0A09	0A17	0A21	0037	0A33		0067	0077	
1	0	0	0	8	ਊ	ਘ	ਧ	8			h	x	
					0A0A	0A18	0A27	0038			0068	0078	
1	0	0	1	9	ਓ	ਙ	ਢ	9	ਵ	ੇ	i	y	
					0A73	0A19	0A22	0039	0A35	0A47	0069	0079	
1	0	1	0	A	LF	ਚ	*	:	ਸ	ੈ	j	z	
					000A	0A1A	002A	003A	0A38	0A48	006A	007A	
1	0	1	1	B		SS2	+	;			k	ਁ	
						----	002B	003B			006B	0A70	
1	1	0	0	C	ੲ	ਛ	,	ਣ	ਸ਼		l	ਁ	
					0A72	0A1B	002C	0A23	0A36		006C	0A71	
1	1	0	1	D	CR	ਜ਼	ਨ	ਪ	ਚ	ੰ	m	ਁ	
					000D	0A1C	0A28	0A2A	0A39	0A4B	006D	0A51	
1	1	1	0	E		ੜ	.	ਫ	਼	ੰ	n	□	
						0A1D	002E	0A2B	0A3C	0A4C	006E	0A76	
1	1	1	1	F	ਏ	ਏ	/	?		ੁ	o		
					0A0F	0A1E	002F	003F		0A4D	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 (see 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). (Note: setting, in the SMS and CBS protocols, base or extension table with reference value 0x10 or larger automatically sets the other tables with the same reference value.) 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

				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	1B	0	1	2	3	4	5	6	7
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	ੴ 0A67,2044,0A6A	≈ 2248	J 004A	Z 005A	÷ 00F7	
1	0	1	1	B	- 2212	SS3 ----	ੴ 0A67,2044,0A68	≠ 2260	K 004B		± 00B1	
1	1	0	0	C	! 0021	○ 0A66	ੴ 0A69,2044,0A6A	[005B	L 004C		‰ 2030	
1	1	0	1	D	CSI 009B	ੴ 0A67	≤ 2A7D	~ 007E	M 004D		« 00AB	
1	1	1	0	E	- 002D	ੴ 0A68	≥ 2A7E] 005D	N 004E		» 00BB	
1	1	1	1	F		ੴ 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 it 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.