A.4.17 SMS/CBS 7-bit Kannada Alphabet (0x17)

A.4.17.1 SMS/CBS 7-bit Kannada Alphabet (0x17) 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**	ಁ 0C81	ಐ 0C90	**SP** 0020	0 0030	ಬ 0CAC	ಾ 0CBE		p 0070
0	0	0	1	**1**	ಂ 0C82	_ 005F	ತ 0CA4	1 0031	ಭ 0CAD	ಿ 0CBF	a 0061	q 0071
0	0	1	0	**2**	ಃ 0C83	ಒ 0C92	ಟ 0C9F	2 0032	ಮ 0CAE	ೀ 0CC0	b 0062	r 0072
0	0	1	1	**3**	ಅ 0C85	ಓ 0C93	# 0023	3 0033	ಯ 0CAF	ು 0CC1	c 0063	s 0073
0	1	0	0	**4**	ಆ 0C86	ಔ 0C94	ಥ 0CA5	4 0034	ರ 0CB0	ೂ 0CC2	d 0064	t 0074
0	1	0	1	**5**	ಇ 0C87	ಕ 0C95	ದ 0CA0	5 0035	ಱ 0CB1	ೃ 0CC3	e 0065	u 0075
0	1	1	0	**6**	ಈ 0C88	ಖ 0C96	ದ 0CA6	6 0036	ಲ 0CB2	ೄ 0CE2	f 0066	v 0076
0	1	1	1	**7**	ಉ 0C89	ಗ 0C97	ಡ 0CA1	7 0037	ಳ 0CB3	ೖ 0CD6	g 0067	w 0077
1	0	0	0	**8**	ಊ 0C8A	ಘ 0C98	ಧ 0CA7	8 0038		ೆ 0CC6	h 0068	x 0078
1	0	0	1	**9**	ಋ 0C8B	ಙ 0C99	ಢ 0CA2	9 0039	ವ 0CB5	ೇ 0CC7	i 0069	y 0079
1	0	1	0	**A**	**LF** 000A	ಚ 0C9A	* 002A	: 003A	ಸ 0CB8	ೈ 0CC8	j 006A	z 007A
1	0	1	1	**B**	ಌ 0C8C	**SS2** ----	+ 002B	; 003B	ಷ 0CB7	ೕ 0CD5	k 006B	
1	1	0	0	**C**		ಛ 0C9B	, 002C	ಣ 0CA3	ಶ 0CB6	ೊ 0CCA	l 006C	
1	1	0	1	**D**	**CR** 000D	ಜ 0C9C	ನ 0CA8	ಪ 0CAA	ಹ 0CB9	ೋ 0CCB	m 006D	
1	1	1	0	**E**	ಎ 0C8E	ಝ 0C9D	. 002E	ಫ 0CAB	಼ 0CBC	ೌ 0CCC	n 006E	
1	1	1	1	**F**	ಏ 0C8F	ಞ 0C9E	/ 002F	? 003F		್ 0CCD	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.4.17.2). (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.

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

A.4.17.2 SMS/CBS 7-bit Kannada Alphabet (0x17) 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	ಪ 0CEA	ೠ 0CE0	| 007C	P 0050	¼ 00BC	⚠ 26A0
0	0	0	1	1	£ 00A3	= 003D	೫ 0CEB	ೡ 0CE1	A 0041	Q 0051	½ 00BD	∞ 221E
0	0	1	0	2	$ 0024	> 003E	೬ 0CEC	◌ೄ 0CC4	B 0042	R 0052	¾ 00BE	² 00B2
0	0	1	1	3	¥ 00A5	₹ 20B9	೭ 0CED	◌ೣ 0CE3	C 0043	S 0053	" 201C	³ 00B3
0	1	0	0	4	§ 00A7	^ 005E	೮ 0CEE		D 0044	T 0054	" 201D	S 0CBD
0	1	0	1	5	" 0022		೯ 0CEF		E 0045	U 0055	¤ 00A4	
0	1	1	0	6	€ 20AC	಄ 0C84			F 0046	V 0056	Ω 03A9	
0	1	1	1	7	% 0025	(0028	ೱ 0CF1		G 0047	W 0057	µ 03BC	
1	0	0	0	8	& 0026	) 0029	{ 007B		H 0048	X 0058	° 00B0	ೝ 0CDD
1	0	0	1	9	' 0027	। 0964	} 007D	ೞ 0CDE	I 0049	Y 0059	× 00D7	
1	0	1	0	A	**FF** 000C	॥ 0965	೧⁄ಪ 0CE7,2044,0CEA	≈ 2248	J 004A	Z 005A	÷ 00F7	
1	0	1	1	B	− 2212	**SS3** ----	೧⁄೨ 0CE7,2044,0CE8	≠ 2260	K 004B	ೲ 0CF2	± 00B1	
1	1	0	0	C	! 0021	೦ 0CE6	೩⁄ಪ 0CE9,2044,0CEA	[005B	L 004C		‰ 2030	
1	1	0	1	D	**CSI** 009B	೧ 0CE7	⩽ 2A7D	~ 007E	M 004D		« 00AB	
1	1	1	0	E	- 002D	೨ 0CE8	⩾ 2A7E	] 005D	N 004E		» 00BB	
1	1	1	1	F		೩ 0CE9	\ 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.