A.4.12 SMS/CBS 7-bit Hebrew Alphabet (0x12)

A.4.12.1 SMS/CBS 7-bit Hebrew Alphabet (0x12) 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**	@ 0040	− 2212	SP 0020	0 0030		| 05DF		p 0070
0	0	0	1	**1**	£ 00A3	_ 005F	! 0021	1 0031	א 05D0	ן 05E0	a 0061	q 0071
0	0	1	0	**2**	$ 0024	ִ 05B4	" 0022	2 0032	ב 05D1	ס 05E1	b 0062	r 0072
0	0	1	1	**3**	¥ 00A5	ֹ 05B9	# 0023	3 0033	ג 05D2	ע 05E2	c 0063	s 0073
0	1	0	0	**4**	§ 00A7	ֺ 05BA	€ 20AC	4 0034	ד 05D3	FB20	d 0064	t 0074
0	1	0	1	**5**	₪ 20AA	ּ 05BC	% 0025	5 0035	ה 05D4	ף 05E3	e 0065	u 0075
0	1	1	0	**6**	ֽ 05BD	ׁ 05C1	& 0026	6 0036	ו 05D5	פ 05E4	f 0066	v 0076
0	1	1	1	**7**	ְ 05B0	ׂ 05C2	' 0027	7 0037	ז 05D6	ץ 05E5	g 0067	w 0077
1	0	0	0	**8**	ֵ 05B5	�7 05B7	(0028	8 0038	ח 05D7	צ 05E6	h 0068	x 0078
1	0	0	1	**9**	ֻ 05BB	ֿ 05BF	) 0029	9 0039	ט 05D8	ק 05E7	i 0069	y 0079
1	0	1	0	**A**	LF 000A	ﬞ FB1E	* 002A	: 003A	י 05D9	ר 05E8	j 006A	z 007A
1	0	1	1	**B**	ֶ 05B6	SS2 ----	+ 002B	; 003B	ך 05DA	ש 05E9	k 006B	יִ FB1D
1	1	0	0	**C**	ֱ 05B1	ָ 05B8	, 002C	< 003C	כ 05DB	ת 05EA	l 006C	ײַ FB1F
1	1	0	1	**D**	CR 000D	ׇ 05C7	- 002D	= 003D	ל 05DC	װ 05F0	m 006D	־ 05BE
1	1	1	0	**E**	ֲ 05B2	׳ 05F3	. 002E	> 003E	ם 05DD	ױ 05F1	n 006E	LRM 200E
1	1	1	1	**F**	ֳ 05B3	״ 05F4	/ 002F	? 003F	מ 05DE	ײ 05F2	o 006F	RLM 200F

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). Hebrew letters are displayed right-to-left. Simplified Unicode bidi algorithm for SMS/CBS: Bidi AL must be handled as bidi R; all bidi EN and AN handled as L; all ET, ES, CS handled as ON , and 'paragraph direction' is always LTR, there are no bidi controls that span a text range. Bidi mirroring done *only* by using the data in BidiMirroring.txt.

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.4.11.2). (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.

LRM,RLM These should only be used to get the desired 'bidi directionality' of initially 'bidi neutral' symbols in case of *bidi directional change* around the symbol, to get the desired (readable!) display order. While zero-width, these should have visible glyphs; like a narrow bar with a 'flag' indicating direction.

A.4.12.2 SMS/CBS 7-bit Hebrew Alphabet (0x12) extension (SS2) table

b4	b3	b2	b1	1B	0	1	2	3	4	5	6	7
			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
0	0	0	0	0	א FB21	שׁ FB2A	׳ FB39	פ FB44	| 007C	P 0050	¼ 00BC	⚠ 26A0
0	0	0	1	1	ד FB22	שׂ FB2B	ן FB3A	ץ FB46	A 0041	Q 0051	½ 00BD	∞ 221E
0	0	1	0	2	ה FB23	שּׁ FB2C	כ FB3B	ק FB47	B 0042	R 0052	¾ 00BE	² 00B2
0	0	1	1	3	כ FB24	שּׂ FB2D	ל FB3C	ר FB48	C 0043	S 0053	" 201C	³ 00B3
0	1	0	0	4	ל FB25	^ 005E	מ FB3E	ש FB49	D 0044	T 0054	" 201D	
0	1	0	1	5	ם FB26	אַ FB2E	נ FB40	תּ FB4A	E 0045	U 0055	¤ 00A4	
0	1	1	0	6	ר FB27	אָ FB2F	ס FB41	i FB4B	F 0046	V 0056	Ω 03A9	
0	1	1	1	7	ת FB28	א FB30	ף FB43	בֿ FB4C	G 0047	W 0057	µ 03BC	
1	0	0	0	8	א FB4F	ב FB31	{ 007B	כֿ FB4D	H 0048	X 0058	° 00B0	
1	0	0	1	9		ג FB32	} 007D	פֿ FB4E	I 0049	Y 0059	× 00D7	
1	0	1	0	A	**FF** 000C	ד FB33	⊥ FB29	≈ 2248	J 004A	Z 005A	÷ 00F7	
1	0	1	1	B		**SS3** ----		≠ 2260	K 004B		± 00B1	
1	1	0	0	C		ה FB34		[005B	L 004C		‰ 2030	
1	1	0	1	D	**CSI** 009B	ו FB35	⩽ 2A7D	~ 007E	M 004D	: 05C3	« 00AB	
1	1	1	0	E	ﬠ 05EF	ז FB36	⩾ 2A7E	] 005D	N 004E	׀ 05C0	» 00BB	
1	1	1	1	F		ט FB38	\ 005C	· 00B7	O 004F	׆ 05C6	' 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). The precomposed letter with vowel are included here not just for Yiddish, but because the Unicode normalisation NFC will create them from the decomposed form.

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.