

## Appendix C: Revised Microsoft Window Mapping Tables

This appendix contains the revised Windows and PC code page mapping tables.

Unicode	Arabic	Hebrew	Cyrillic	IBM GCGID	Name
CP:1200	1256	1255	CP866		
ASCII					
U+0020	20	20	20	SP010000	SPACE
U+0021	21	21	21	SP020000	EXCLAMATION MARK
U+0022	22	22	22	SP040000	QUOTATION MARK
U+0023	23	23	23	SM010000	NUMBER SIGN
U+0024	24	24	24	SC030000	DOLLAR SIGN
U+0025	25	25	25	SM020000	PERCENT SIGN
U+0026	26	26	26	SM030000	AMPERSAND
U+0027	27	27	27	SP050000	APOSTROPHE-QUOTE
U+0028	28	28	28	SP060000	OPENING PARENTHESIS
U+0029	29	29	29	SP070000	CLOSING PARENTHESIS
U+002A	2A	2A	2A	SM040000	ASTERISK
U+002B	2B	2B	2B	SA010000	PLUS SIGN
U+002C	2C	2C	2C	SP080000	COMMA
U+002D	2D	2D	2D	SP100000	HYPHEN-MINUS
U+002E	2E	2E	2E	SP110000	PERIOD
U+002F	2F	2F	2F	SP120000	SLASH
U+0030	30	30	30	ND100000	DIGIT ZERO
U+0031	31	31	31	ND010000	DIGIT ONE
U+0032	32	32	32	ND020000	DIGIT TWO
U+0033	33	33	33	ND030000	DIGIT THREE
U+0034	34	34	34	ND040000	DIGIT FOUR
U+0035	35	35	35	ND050000	DIGIT FIVE
U+0036	36	36	36	ND060000	DIGIT SIX
U+0037	37	37	37	ND070000	DIGIT SEVEN
U+0038	38	38	38	ND080000	DIGIT EIGHT
U+0039	39	39	39	ND090000	DIGIT NINE
U+003A	3A	3A	3A	SP130000	COLON
U+003B	3B	3B	3B	SP140000	SEMICOLON
U+003C	3C	3C	3C	SA030000	LESS-THAN SIGN
U+003D	3D	3D	3D	SA040000	EQUALS SIGN
U+003E	3E	3E	3E	SA050000	GREATER-THAN SIGN
U+003F	3F	3F	3F	SP150000	QUESTION MARK
U+0040	40	40	40	SM050000	COMMERCIAL AT
U+0041	41	41	41	LA020000	LATIN CAPITAL LETTER A
U+0042	42	42	42	LB020000	LATIN CAPITAL LETTER B
U+0043	43	43	43	LC020000	LATIN CAPITAL LETTER C
U+0044	44	44	44	LD020000	LATIN CAPITAL LETTER D
U+0045	45	45	45	LE020000	LATIN CAPITAL LETTER E
U+0046	46	46	46	LF020000	LATIN CAPITAL LETTER F

U+0047	47	47	47	LG020000	LATIN CAPITAL LETTER G
U+0048	48	48	48	LH020000	LATIN CAPITAL LETTER H
U+0049	49	49	49	LI020000	LATIN CAPITAL LETTER I
U+004A	4A	4A	4A	LJ020000	LATIN CAPITAL LETTER J
U+004B	4B	4B	4B	LK020000	LATIN CAPITAL LETTER K
U+004C	4C	4C	4C	LL020000	LATIN CAPITAL LETTER L
U+004D	4D	4D	4D	LM020000	LATIN CAPITAL LETTER M
U+004E	4E	4E	4E	LN020000	LATIN CAPITAL LETTER N
U+004F	4F	4F	4F	LO020000	LATIN CAPITAL LETTER O
U+0050	50	50	50	LP020000	LATIN CAPITAL LETTER P
U+0051	51	51	51	LQ020000	LATIN CAPITAL LETTER Q
U+0052	52	52	52	LR020000	LATIN CAPITAL LETTER R
U+0053	53	53	53	LS020000	LATIN CAPITAL LETTER S
U+0054	54	54	54	LT020000	LATIN CAPITAL LETTER T
U+0055	55	55	55	LU020000	LATIN CAPITAL LETTER U
U+0056	56	56	56	LV020000	LATIN CAPITAL LETTER V
U+0057	57	57	57	LW020000	LATIN CAPITAL LETTER W
U+0058	58	58	58	LX020000	LATIN CAPITAL LETTER X
U+0059	59	59	59	LY020000	LATIN CAPITAL LETTER Y
U+005A	5A	5A	5A	LZ020000	LATIN CAPITAL LETTER Z
U+005B	5B	5B	5B	SM060000	OPENING SQUARE BRACKET
U+005C	5C	5C	5C	SM070000	BACKSLASH
U+005D	5D	5D	5D	SM080000	CLOSING SQUARE BRACKET
U+005E	5E	5E	5E	SD150000	SPACING CIRCUMFLEX
U+005F	5F	5F	5F	SP090000	SPACING UNDERSCORE
U+0060	60	60	60	SD130000	SPACING GRAVE
U+0061	61	61	61	LA010000	LATIN SMALL LETTER A
U+0062	62	62	62	LB010000	LATIN SMALL LETTER B
U+0063	63	63	63	LC010000	LATIN SMALL LETTER C
U+0064	64	64	64	LD010000	LATIN SMALL LETTER D
U+0065	65	65	65	LE010000	LATIN SMALL LETTER E
U+0066	66	66	66	LF010000	LATIN SMALL LETTER F
U+0067	67	67	67	LG010000	LATIN SMALL LETTER G
U+0068	68	68	68	LH010000	LATIN SMALL LETTER H
U+0069	69	69	69	LI010000	LATIN SMALL LETTER I
U+006A	6A	6A	6A	LJ010000	LATIN SMALL LETTER J
U+006B	6B	6B	6B	LK010000	LATIN SMALL LETTER K
U+006C	6C	6C	6C	LL010000	LATIN SMALL LETTER L
U+006D	6D	6D	6D	LM010000	LATIN SMALL LETTER M
U+006E	6E	6E	6E	LN010000	LATIN SMALL LETTER N
U+006F	6F	6F	6F	LO010000	LATIN SMALL LETTER O
U+0070	70	70	70	LP010000	LATIN SMALL LETTER P
U+0071	71	71	71	LQ010000	LATIN SMALL LETTER Q
U+0072	72	72	72	LR010000	LATIN SMALL LETTER R
U+0073	73	73	73	LS010000	LATIN SMALL LETTER S
U+0074	74	74	74	LT010000	LATIN SMALL LETTER T
U+0075	75	75	75	LU010000	LATIN SMALL LETTER U
U+0076	76	76	76	LV010000	LATIN SMALL LETTER V
U+0077	77	77	77	LW010000	LATIN SMALL LETTER W
U+0078	78	78	78	LX010000	LATIN SMALL LETTER X
U+0079	79	79	79	LY010000	LATIN SMALL LETTER Y
U+007A	7A	7A	7A	LZ010000	LATIN SMALL LETTER Z
U+007B	7B	7B	7B	SM110000	OPENING CURLY BRACKET
U+007C	7C	7C	7C	SM130000	VERTICAL BAR
U+007D	7D	7D	7D	SM140000	CLOSING CURLY BRACKET
U+007E	7E	7E	7E	SD190000	TILDE
U+007F	7F	7F	7F		DELETE

Common DTP Symbols (plus extended Latin-1)

UNDEF80	80				
UNDEF81	81				
U+201A	82	82	SP260000	LOW SINGLE COMMA QUOTATION MARK	
U+0192	83	83	SC070000	LATIN SMALL LETTER SCRIPT F	
U+201E	84	84	SP230000	LOW DOUBLE COMMA QUOTATION MARK	
U+2026	85	85	SV520000	HORIZONTAL ELLIPSIS	
U+2020	86	86	SM340000	DAGGER	
U+2021	87	87	SM350000	DOUBLE DAGGER	
U+02C6	88	88	SD150100	MODIFIER LETTER CIRCUMFLEX	
U+2030	89	89	SM560000	PER MILLE SIGN	
UNDEF8A	8A				
U+2039	8B	8B	SP270000	LEFT POINTING SINGLE GUILLEMET	
U+0152	8C		LO520000	LATIN CAPITAL LETTER O E	
UNDEF	8C				
UNDEF8D	8D				
UNDEF8E	8E				
UNDEF8F	8F				
UNDEF90	90				
U+2018	91	91	SP190000	SINGLE TURNED COMMA QUOTATION MARK	
U+2019	92	92	SP200000	SINGLE COMMA QUOTATION MARK	
U+201C	93	93	SP210000	DOUBLE TURNED COMMA QUOTATION MARK	
U+201D	94	94	SP220000	DOUBLE COMMA QUOTATION MARK	
U+2022	95	95	SM570000	BULLET	
U+2013	96	96	SS680000	EN DASH	
U+2014	97	97	SM900000	EM DASH	
U+02DC		98	SD190100	SPACING TILDE	
UNDEF98					
U+2122	99	99	SM540000	TRADEMARK	
UNDEF9A	9A				
U+203A	9B	9B	SP280000	RIGHT POINTING SINGLE GUILLEMET	
U+0153	9C		LO510000	LATIN SMALL LETTER O E	
UNDEF	9C				
UNDEF	9D				
UNDEF	9E				
UNDEF9F	9F				

Latin-1 (incl. common symbols)

U+00A0	A0	A0	FF	SP300000	NON-BREAKING SPACE
U+00A1		A1		SP030000	INVERTED EXCLAMATION MARK
U+00A2	A2	A2		SC040000	CENT SIGN
U+00A3	A3	A3		SC020000	POUND SIGN
U+00A4	A4	A4	FD	SC010000	CURRENCY SIGN
U+00A5	A5	A5		SC050000	YEN SIGN
U+00A6	A6	A6		SM650000	BROKEN VERTICAL BAR
U+00A7	A7	A7	15	SM240000	SECTION SIGN
U+00A8	A8	A8		SD170000	SPACING DIAERESIS
U+00A9	A9	A9		SM520000	COPYRIGHT SIGN
U+00AB	AB	AB		SP170000	LEFT POINTING GUILLEMET
U+00AC	AC	AC		SM660000	NOT SIGN
U+00AD	AD	AD		SP320000	SOFT HYPHEN
U+00AE	AE	AE		SM530000	REGISTERED TRADE MARK SIGN
U+00AF	AF	AF		SM150000	SPACING MACRON
U+00B0	B0	B0	F8	SM190000	DEGREE SIGN
U+00B1	B1	B1		SA020000	PLUS-OR-MINUS SIGN
U+00B2	B2	B2		ND021000	SUPERSCRIPIT DIGIT TWO

U+00B3	B3	B3	ND031000	SUPERSCRIPIT DIGIT THREE
U+00B4	B4	B4	SD110000	SPACING ACUTE
U+00B5	B5	B5	SM170000	MICRO SIGN
U+00B6	B6	B6	14 SM250000	PARAGRAPH SIGN
U+00B7	B7	B7	FA SD630000	MIDDLE DOT
U+00B8	B8	B8	SD410000	SPACING CEDILLA
U+00B9	B9	B9	ND011000	SUPERSCRIPIT DIGIT ONE
U+00BB	BB	BB	SP180000	RIGHT POINTING GUILLEMET
U+00BC	BC	BC	NF040000	FRACTION ONE QUARTER
U+00BD	BD	BD	NF010000	FRACTION ONE HALF
U+00BE	BE	BE	NF050000	FRACTION THREE QUARTERS
U+00BF		BF	SP160000	INVERTED QUESTION MARK
U+00D7	D7	AA	SA070000	MULTIPLICATION SIGN
U+00E0	E0		LA130000	LATIN SMALL LETTER A GRAVE
U+00E2	E2		LA150000	LATIN SMALL LETTER A CIRCUMFLEX
U+00E7	E7		LC410000	LATIN SMALL LETTER C CEDILLA
U+00E8	E8		LE130000	LATIN SMALL LETTER E GRAVE
U+00E9	E9		LE110000	LATIN SMALL LETTER E ACUTE
U+00EA	EA		LE150000	LATIN SMALL LETTER E CIRCUMFLEX
U+00EB	EB		LE170000	LATIN SMALL LETTER E DIAERESIS
U+00EE	EE		LI150000	LATIN SMALL LETTER I CIRCUMFLEX
U+00EF	EF		LI170000	LATIN SMALL LETTER I DIAERESIS
U+00F4	F4		LO150000	LATIN SMALL LETTER O CIRCUMFLEX
U+00F7	F7	BA	SA060000	DIVISION SIGN
U+00F9	F9		LU130000	LATIN SMALL LETTER U GRAVE
U+00FB	FB		LU150000	LATIN SMALL LETTER U CIRCUMFLEX
U+00FC	FC		LU170000	LATIN SMALL LETTER U DIAERESIS

*Cyrillic*

U+0401		F0	KE180000	CYRILLIC CAPITAL LETTER IO
U+0404		F2	KE160000	CYRILLIC CAPITAL LETTER E
U+0407		F4	KI180000	CYRILLIC CAPITAL LETTER YI
U+040E		F6	KU240000	CYRILLIC CAPITAL LETTER SHORT U
U+0410		80	KA020000	CYRILLIC CAPITAL LETTER A
U+0411		81	KB020000	CYRILLIC CAPITAL LETTER BE
U+0412		82	KV020000	CYRILLIC CAPITAL LETTER VE
U+0413		83	KG020000	CYRILLIC CAPITAL LETTER GE
U+0414		84	KD020000	CYRILLIC CAPITAL LETTER DE
U+0415		85	KE020000	CYRILLIC CAPITAL LETTER IE
U+0416		86	KZ220000	CYRILLIC CAPITAL LETTER ZHE
U+0417		87	KZ020000	CYRILLIC CAPITAL LETTER ZE
U+0418		88	KI020000	CYRILLIC CAPITAL LETTER II
U+0419		89	KJ120000	CYRILLIC CAPITAL LETTER SHORT II
U+041A		8A	KK020000	CYRILLIC CAPITAL LETTER KA
U+041B		8B	KL020000	CYRILLIC CAPITAL LETTER EL
U+041C		8C	KM020000	CYRILLIC CAPITAL LETTER EM
U+041D		8D	KN020000	CYRILLIC CAPITAL LETTER EN
U+041E		8E	KO020000	CYRILLIC CAPITAL LETTER O
U+041F		8F	KP020000	CYRILLIC CAPITAL LETTER PE
U+0420		90	KR020000	CYRILLIC CAPITAL LETTER ER
U+0421		91	KS020000	CYRILLIC CAPITAL LETTER ES
U+0422		92	KT020000	CYRILLIC CAPITAL LETTER TE
U+0423		93	KU020000	CYRILLIC CAPITAL LETTER U
U+0424		94	KF020000	CYRILLIC CAPITAL LETTER EF
U+0425		95	KH020000	CYRILLIC CAPITAL LETTER KHA
U+0426		96	KC020000	CYRILLIC CAPITAL LETTER TSE

U+0427	97	KC220000	CYRILLIC CAPITAL LETTER CHE
U+0428	98	KS220000	CYRILLIC CAPITAL LETTER SHA
U+0429	99	KS160000	CYRILLIC CAPITAL LETTER SHCHA
U+042A	9A	KU220000	CYRILLIC CAPITAL LETTER HARD SIGN
U+042B	9B	KY020000	CYRILLIC CAPITAL LETTER YERI
U+042C	9C	KX120000	CYRILLIC CAPITAL LETTER SOFT SIGN
U+042D	9D	KE140000	CYRILLIC CAPITAL LETTER REVERSED E
U+042E	9E	KU160000	CYRILLIC CAPITAL LETTER IU
U+042F	9F	KA160000	CYRILLIC CAPITAL LETTER IA
U+0430	A0	KA010000	CYRILLIC SMALL LETTER A
U+0431	A1	KB010000	CYRILLIC SMALL LETTER BE
U+0432	A2	KV010000	CYRILLIC SMALL LETTER VE
U+0433	A3	KG010000	CYRILLIC SMALL LETTER GE
U+0434	A4	KD010000	CYRILLIC SMALL LETTER DE
U+0435	A5	KE010000	CYRILLIC SMALL LETTER IE
U+0436	A6	KZ210000	CYRILLIC SMALL LETTER ZHE
U+0437	A7	KZ010000	CYRILLIC SMALL LETTER ZE
U+0438	A8	KI010000	CYRILLIC SMALL LETTER II
U+0439	A9	KJ110000	CYRILLIC SMALL LETTER SHORT II
U+043A	AA	KK010000	CYRILLIC SMALL LETTER KA
U+043B	AB	KL010000	CYRILLIC SMALL LETTER EL
U+043C	AC	KM010000	CYRILLIC SMALL LETTER EM
U+043D	AD	KN010000	CYRILLIC SMALL LETTER EN
U+043E	AE	KO010000	CYRILLIC SMALL LETTER O
U+043F	AF	KP010000	CYRILLIC SMALL LETTER PE
U+0440	E0	KR010000	CYRILLIC SMALL LETTER ER
U+0441	E1	KS010000	CYRILLIC SMALL LETTER ES
U+0442	E2	KT010000	CYRILLIC SMALL LETTER TE
U+0443	E3	KU010000	CYRILLIC SMALL LETTER U
U+0444	E4	KF010000	CYRILLIC SMALL LETTER EF
U+0445	E5	KH010000	CYRILLIC SMALL LETTER KHA
U+0446	E6	KC010000	CYRILLIC SMALL LETTER TSE
U+0447	E7	KC210000	CYRILLIC SMALL LETTER CHE
U+0448	E8	KS210000	CYRILLIC SMALL LETTER SHA
U+0449	E9	KS150000	CYRILLIC SMALL LETTER SHCHA
U+044A	EA	KU210000	CYRILLIC SMALL LETTER HARD SIGN
U+044B	EB	KY010000	CYRILLIC SMALL LETTER YERI
U+044C	EC	KX110000	CYRILLIC SMALL LETTER SOFT SIGN
U+044D	ED	KE130000	CYRILLIC SMALL LETTER REVERSED E
U+044E	EE	KU150000	CYRILLIC SMALL LETTER IU
U+044F	EF	KA150000	CYRILLIC SMALL LETTER IA
U+0451	F1	KE170000	CYRILLIC SMALL LETTER IO
U+0454	F3	KE150000	CYRILLIC SMALL LETTER E
U+0457	F5	KI170000	CYRILLIC SMALL LETTER YI
U+045E	F7	KU230000	CYRILLIC SMALL LETTER SHORT U

*Symbols*

U+2022	07	SM570000	BULLET
U+203C	13	SP330000	DOUBLE EXCLAMATION MARK
U+2116	FC	SM000000	NUMERO
U+2190	1B	SM300000	LEFT ARROW
U+2191	18	SM320000	UP ARROW
U+2192	1A	SM310000	RIGHT ARROW
U+2193	19	SM330000	DOWN ARROW
U+2194	1D	SM780000	LEFT RIGHT ARROW
U+2195	12	SM760000	UP DOWN ARROW
U+21A8	17	SM770000	UP DOWN ARROW WITH BASE

U+2219	F9	SA790000	BULLET OPERATOR
U+221A	FB	SA800000	SQUARE ROOT
U+221F	1C	SA420000	RIGHT ANGLE
U+2302	7F	SM790000	HOUSE
U+2500	C4	SF100000	FORMS LIGHT HORIZONTAL
U+2502	B3	SF110000	FORMS LIGHT VERTICAL
U+250C	DA	SF010000	FORMS LIGHT DOWN AND RIGHT
U+2510	BF	SF030000	FORMS LIGHT DOWN AND LEFT
U+2514	C0	SF020000	FORMS LIGHT UP AND RIGHT
U+2518	D9	SF040000	FORMS LIGHT UP AND LEFT
U+251C	C3	SF080000	FORMS LIGHT VERTICAL AND RIGHT
U+2524	B4	SF090000	FORMS LIGHT VERTICAL AND LEFT
U+252C	C2	SF060000	FORMS LIGHT DOWN AND HORIZONTAL
U+2534	C1	SF070000	FORMS LIGHT UP AND HORIZONTAL
U+253C	C5	SF050000	FORMS LIGHT VERTICAL AND HORIZONTAL
U+2550	CD	SF430000	FORMS DOUBLE HORIZONTAL
U+2551	BA	SF240000	FORMS DOUBLE VERTICAL
U+2552	D5	SF510000	FORMS DOWN SINGLE AND RIGHT DOUBLE
U+2553	D6	SF520000	FORMS DOWN DOUBLE AND RIGHT SINGLE
U+2554	C9	SF390000	FORMS DOUBLE DOWN AND RIGHT
U+2555	B8	SF220000	FORMS DOWN SINGLE AND LEFT DOUBLE
U+2556	B7	SF210000	FORMS DOWN DOUBLE AND LEFT SINGLE
U+2557	BB	SF250000	FORMS DOUBLE DOWN AND LEFT
U+2558	D4	SF500000	FORMS UP SINGLE AND RIGHT DOUBLE
U+2559	D3	SF490000	FORMS UP DOUBLE AND RIGHT SINGLE
U+255A	C8	SF380000	FORMS DOUBLE UP AND RIGHT
U+255B	BE	SF280000	FORMS UP SINGLE AND LEFT DOUBLE
U+255C	BD	SF270000	FORMS UP DOUBLE AND LEFT SINGLE
U+255D	BC	SF260000	FORMS DOUBLE UP AND LEFT
U+255E	C6	SF360000	FORMS VERTICAL SINGLE AND RIGHT DOUBLE
U+255F	C7	SF370000	FORMS VERTICAL DOUBLE AND RIGHT SINGLE
U+2560	CC	SF420000	FORMS DOUBLE VERTICAL AND RIGHT
U+2561	B5	SF190000	FORMS VERTICAL SINGLE AND LEFT DOUBLE
U+2562	B6	SF200000	FORMS VERTICAL DOUBLE AND LEFT SINGLE
U+2563	B9	SF230000	FORMS DOUBLE VERTICAL AND LEFT
U+2564	D1	SF470000	FORMS DOWN SINGLE AND HORIZONTAL DOUBLE
U+2565	D2	SF480000	FORMS DOWN DOUBLE AND HORIZONTAL SINGLE
U+2566	CB	SF410000	FORMS DOUBLE DOWN AND HORIZONTAL
U+2567	CF	SF450000	FORMS UP SINGLE AND HORIZONTAL DOUBLE
U+2568	D0	SF460000	FORMS UP DOUBLE AND HORIZONTAL SINGLE
U+2569	CA	SF400000	FORMS DOUBLE UP AND HORIZONTAL
U+256A	D8	SF540000	FORMS VERTICAL SINGLE AND HORIZONTAL DOUBLE
U+256B	D7	SF530000	FORMS VERTICAL DOUBLE AND HORIZONTAL SINGLE
U+256C	CE	SF440000	FORMS DOUBLE VERTICAL AND HORIZONTAL
U+2580	DF	SF600000	UPPER HALF BLOCK
U+2584	DC	SF570000	LOWER HALF BLOCK
U+2588	DB	SF610000	FULL BLOCK
U+258C	DD	SF580000	LEFT HALF BLOCK
U+2590	DE	SF590000	RIGHT HALF BLOCK
U+2591	B0	SF140000	LIGHT SHADE
U+2592	B1	SF150000	MEDIUM SHADE
U+2593	B2	SF160000	DARK SHADE
U+25A0	FE	SM470000	BLACK SQUARE
U+25AC	16	SM700000	BLACK RECTANGLE
U+25B2	1E	SM600000	BLACK UP POINTING TRIANGLE
U+25BA	10	SM590000	BLACK RIGHT POINTING POINTER
U+25BC	1F	SV040000	BLACK DOWN POINTING TRIANGLE

U+25C4		11	SM630000	BLACK LEFT POINTING POINTER
U+25CB		09	SM750000	WHITE CIRCLE
U+25D8		08	SM570001	INVERSE BULLET
U+25D9		0A	SM750002	INVERSE WHITE CIRCLE
U+263A		01	SS000000	WHITE SMILING FACE
U+263B		02	SS010000	BLACK SMILING FACE
U+263C		0F	SM690000	WHITE SUN WITH RAYS
U+2640		0C	SM290000	FEMALE SIGN
U+2642		0B	SM280000	MALE SIGN
U+2660		06	SS050000	BLACK SPADE SUIT
U+2663		05	SS040000	BLACK CLUB SUIT
U+2665		03	SS020000	BLACK HEART SUIT
U+2666		04	SS030000	BLACK DIAMOND SUIT
U+266A		0D	SM930000	EIGHTH NOTE
U+266B		0E	SM910000	BARRED EIGHTH NOTES

*Bidi*

U+200E	FD	FD		LEFT-TO-RIGHT MARK
U+200F	FE	FE		RIGHT-TO-LEFT MARK

*Hebrew*

U+05B0		C0		HEBREW POINT SHEVA
U+05B1		C1		HEBREW POINT HATAF SEGOL
U+05B2		C2		HEBREW POINT HATAF PATAH
U+05B3		C3		HEBREW POINT HATAF QAMATS
U+05B4		C4		HEBREW POINT HIRIQ
U+05B5		C5		HEBREW POINT TSERE
U+05B6		C6		HEBREW POINT SEGOL
U+05B7		C7		HEBREW POINT PATAH
U+05B8		C8		HEBREW POINT QAMATS
U+05B9		C9		HEBREW POINT HOLAM
UNDEF	CA			
U+05BB		CB		HEBREW POINT QUBUTS
U+05BC		CC		HEBREW POINT DAGESH
U+05BD		CD		HEBREW POINT METEG
U+05BE		CE		HEBREW PUNCTUATION MAQAF
U+05BF		CF		HEBREW POINT RAFE
U+05C0		D0		HEBREW POINT PASEQ
U+05C1		D1		HEBREW POINT SHIN DOT
U+05C2		D2		HEBREW POINT SIN DOT
U+05C3		D3		HEBREW PUNCTUATION SOF PASUQ
UNDEF	D4			
UNDEF	D5			
UNDEF	D6			
UNDEF	D7			
UNDEF	D8			
UNDEF	D9			
UNDEF	DA			
UNDEF	DB			
UNDEF	DC			
UNDEF	DD			
UNDEF	DE			
UNDEF	DF			
U+05D0		E0	HX330000	HEBREW LETTER ALEF
U+05D1		E1	HB010000	HEBREW LETTER BET

U+05D2	E2	HG010000	HEBREW LETTER GIMEL
U+05D3	E3	HD010000	HEBREW LETTER DALET
U+05D4	E4	HH010000	HEBREW LETTER HE
U+05D5	E5	HW010000	HEBREW LETTER VAV
U+05D6	E6	HZ010000	HEBREW LETTER ZAYIN
U+05D7	E7	HH450000	HEBREW LETTER HET
U+05D8	E8	HT450000	HEBREW LETTER TET
U+05D9	E9	HY010000	HEBREW LETTER YOD
U+05DA	EA	HK610000	HEBREW LETTER FINAL KAF
U+05DB	EB	HK010000	HEBREW LETTER KAF
U+05DC	EC	HL010000	HEBREW LETTER LAMED
U+05DD	ED	HM610000	HEBREW LETTER FINAL MEM
U+05DE	EE	HM010000	HEBREW LETTER MEM
U+05DF	EF	HN610000	HEBREW LETTER FINAL NUN
U+05E0	F0	HN010000	HEBREW LETTER NUN
U+05E1	F1	HS010000	HEBREW LETTER SAMEKH
U+05E2	F2	HX350000	HEBREW LETTER AYIN
U+05E3	F3	HP610000	HEBREW LETTER FINAL PE
U+05E4	F4	HP010000	HEBREW LETTER PE
U+05E5	F5	HS610000	HEBREW LETTER FINAL TSADI
U+05E6	F6	HS450000	HEBREW LETTER TSADI
U+05E7	F7	HQ010000	HEBREW LETTER QOF
U+05E8	F8	HR010000	HEBREW LETTER RESH
U+05E9	F9	HS210000	HEBREW LETTER SHIN
U+05EA	FA	HT010000	HEBREW LETTER TAV
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*Arabic*

U+060C	A1	SP080007	ARABIC COMMA
U+061B	BA	SP140007	ARABIC SEMICOLON
U+061F	BF	SP150007	ARABIC QUESTION MARK
U+0621	C1	AX300000	ARABIC LETTER HAMZAH
U+0622	C2	AA210000	ARABIC LETTER MADDAH ON ALEF
U+0623	C3	AA310000	ARABIC LETTER HAMZAH ON ALEF
U+0624	C4	AW310000	ARABIC LETTER HAMZAH ON WAW
U+0625	C5	AA310400	ARABIC LETTER HAMZAH UNDER ALEF
U+0626	C6	AY310000	ARABIC LETTER HAMZAH ON YA
U+0627	C7	AA010000	ARABIC LETTER ALEF
U+0628	C8	AB010000	ARABIC LETTER BAA
U+0629	C9	AT020000	ARABIC LETTER TAA MARBUTAH
U+062A	CA	AT010000	ARABIC LETTER TAA
U+062B	CB	AT470000	ARABIC LETTER THAA
U+062C	CC	AG230000	ARABIC LETTER JEEM
U+062D	CD	AH450000	ARABIC LETTER HAA
U+062E	CE	AH470000	ARABIC LETTER KHAA
U+062F	CF	AD010000	ARABIC LETTER DAL
U+0630	D0	AD470000	ARABIC LETTER THAL
U+0631	D1	AR010000	ARABIC LETTER RA
U+0632	D2	AZ010000	ARABIC LETTER ZAIN
U+0633	D3	AS010000	ARABIC LETTER SEEN
U+0634	D4	AS230000	ARABIC LETTER SHEEN
U+0635	D5	AS450000	ARABIC LETTER SAD
U+0636	D6	AD450000	ARABIC LETTER DAD
U+0637	D8	AT450000	ARABIC LETTER TAH
U+0638	D9	AZ450000	ARABIC LETTER DHAH



U+0639	DA	AC470000	ARABIC LETTER AIN
U+063A	DB	AG310000	ARABIC LETTER GHAIN
U+0640	DC	SM860000	ARABIC TATWEEL
U+0641	DD	AF010000	ARABIC LETTER FA
U+0642	DE	AQ010000	ARABIC LETTER QAF
U+0643	DF	AK010000	ARABIC LETTER CAF
U+0644	E1	AL010000	ARABIC LETTER LAM
U+0645	E3	AM010000	ARABIC LETTER MEEM
U+0646	E4	AN010000	ARABIC LETTER NOON
U+0647	E5	AH010000	ARABIC LETTER HA
U+0648	E6	AW010000	ARABIC LETTER WAW
U+0649	EC	AA020000	ARABIC LETTER ALEF MAQSURAH
U+064A	ED	AY010000	ARABIC LETTER YA
U+064B	F0	AA070000	ARABIC FATHATAN
U+064C	F1	AU070000	ARABIC DAMMATAN
U+064D	F2	AI070000	ARABIC KASRATAN
U+064E	F3	AA050000	ARABIC FATHAH
U+064F	F5	AU050000	ARABIC DAMMAH
U+0650	F6	AI050000	ARABIC KASRAH
U+0651	F8	AX100000	ARABIC SHADDAH
U+0652	FA	AE050000	ARABIC SUKUN
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