

ISO/IEC JTC1/SC2/WG2 N 3341

Date: 2007-09-18

**ISO/IEC JTC1/SC2/WG2
Coded Character Set
Secretariat: Japan (JISC)**

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In the context of Japanese TV broadcast (ARIB: Association of Radio Industries and Businesses), reference: http://www.dibeg.org/aribstd/STD-B24/ARIB_STD-B24-1_v5.1_E1.pdf, character sets are used in text streaming which are mostly included in Unicode and ISO/IEC 10646. In addition to regular Japanese text (broadly conceived as a mixed of Romaji (ASCII), Hiragana, Katakana, and Kanji) many symbols are also used. Most of these symbols are already encoded in the standard mentioned earlier. However many still are not and that has lead to the creation of Private Use characters in fonts used in the ARIB context. It would be desirable to encode many of these symbols to avoid confusion with end user created private characters. This document is categorizing them in usage groups:

- Traffic signs
- Audio/Video symbols
- Map/Guide symbols
- Arrows
- Numbers followed by period
- Chad symbols
- Japanese date symbols
- Japanese currency symbol
- Squared Latin abbreviations
- Miscellaneous symbols
- Registry Office symbols (?)
- Numbers followed by comma
- Parenthesized ideographs
- Circled Ideographs
- Geometric shapes
- CJK brackets
- Miscellaneous symbols
- Superscripts

- Closed captions
- Letterlike symbols
- Tortoise Shell Bracketed ideographs
- Square Enclosed ideographs
- Number forms
- Weather symbols

The groups are classified using a mix of semantic usage (Traffic signs, Map/Guide symbols, etc...) and glyph categorization (Arrows, Numbers period, Superscripts, etc...). Some of the latter groups' content may be integrated in the semantic group once their usage is clarified. As usual with symbol characters encoding, the adopted name is important because it drives unification decision depending whether the name conveys a semantic concept or a pure glyph description.

Inside these groups, you can find glyphs representing icons and some of text-derived constructs. These text derived glyphs contains either ASCII letters and punctuations combined together or Japanese text elements (Kanji and Hiragana). These Japanese text elements can be listed as follows:

- Square enclosed Kanji
- Circle enclosed Kanji
- Tortoise shell bracketed Kanji
- Small Kanji
- Square Hiragana

Another set contains smaller size Kanji. There is currently no precedent at encoding smaller size CJK ideographs in isolation.

The last set contains a single Hiragana cluster and is similar in approach to the 'Squared Katakana words' encoded in 3300-3357.

In addition the ARIB character set contains CJK characters not yet encoded in Unicode. Discussion about these is outside the scope of this document but has been documented in WG2 N3318. Because ARIB derived application are starting to appear in the IT industry, there is some urgency at addressing encoding issues concerning these characters. Although this is not a UCS encoding proposal, it should be reviewed carefully as the base for such a document. It may also be combined in the future with additional proposals addressing public signage concerns.




All ARIB characters are presented using their ARIB code in increasing order and categorized using the groups mentioned above. Because most of these groups have some characters already encoded in the UCS, the relevant code point, glyph and names (shown in small uppercase) have been provided. When the ARIB standard provided a character name, it is shown in the 'Description' column.

Symbols

Traffic signs

No traffic signs are currently encoded.

ARIB	glyph	Description	comment
9001		ACCIDENT	
9002		DISABLED CAR	
9003		OBSTACLES ON THE ROAD	Related to 26A0
9004		UNDER CONSTRUCTION	
9005		ICY ROAD	Slippery road
9006		MAINTENANCE	Ambulance?
9008		ROAD CLOSED	
9009		ALTERNATE ONE-WAY TRAFFIC	Left-side driving bias
9010		TIRE CHAINS REQUIRED	
9011		NO THOROUGHFARE	No entry
9016		PARKING SPACE EMPTY-FULL	
9017		PARKING SPACE CLOSED	
9020		TWO WAY TRAFFIC BLACK	
9021		TWO WAY TRAFFIC WHITE	
9022		LANE MERGE BLACK	
9023		LANE MERGE WHITE	
9024		DRIVE SLOW 1	Original name was 'DRIVE SLOW'
9025		DRIVE SLOW 2	Original name was 'DRIVE SLOW'
9026		CLOSED ENTRY 1	
9027		CLOSED ENTRY 2	Similar to 22A0 , but bigger
9028		CLOSED TO LARGE CARS 1	
9029		CLOSED TO LARGE CARS 2	Truck image
9030		RESTRICTED ENTRY 1	
9031		RESTRICTED ENTRY 2	
9032		BASIC SYMBOL FOR SPEED LIMIT	Similar to 25EF
9033		SPEED LIMIT 10KMH	
9034		SPEED LIMIT 20KMH	
9035		SPEED LIMIT 30KMH	
9036		SPEED LIMIT 40KMH	
9037		SPEED LIMIT 50KMH	























9038		SPEED LIMIT 60KMH	
9039		SPEED LIMIT 70KMH	
9040		SPEED LIMIT 80KMH	

Numbers followed by period, first set (10-12)

ARIB	glyph	Description	UCS	glyph	comment
9045	10.	TIME OF DAY 10	2491	10.	NUMBER TEN FULL STOP
9046	11.	TIME OF DAY 11	2492	11.	NUMBER ELEVEN FULL STOP
9047	12.	TIME OF DAY 12	2493	12.	NUMBER TWELVE FULL STOP

Broadcast symbols










































Two geometric shapes (ARIB 9064-9065) have been put in this group, although it is unclear whether this is their true meaning (lack of information)

ARIB	glyph	Description	UCS	glyph	comment
9048		HDTV			High Definition Television
9049		SDTV			Standard Definition Television
9050		PROGRESSIVE BROADCASTING			Progressive scan
9051		WIDE-FORMAT 16-9 BROADCASTING SERVICE			
9052		MULTI-VIEW TELEVISION			
9053		BROADCASTING SERVICE ALONG WITH SIGN LANGUAGE INTERPRETATION			Sign language broadcast (624B)
9054		CLOSED-CAPTIONED BROADCASTING			Closed caption (5B57)
9055		TWO-WAY BROADCASTING SERVICE			Two way broadcast (53CC)
9056		DATA BROADCASTING SERVICE LINKED WITH A MAIN PROGRAM			(30C7)
9057		STEREO BROADCASTING SERVICE			Stereo
9058		BILINGUAL BROADCASTING SERVICE			(4E8C)
9059		SOUND-MULTIPLEX BROADCASTING SERVICE			(591A)
9060		COMMENTARY BROADCASTING			(89E3)
9061		SURROUNDING STEREO BROADCASTING SERVICE			Surround stereo
9062		B-MODE STEREO COMPRESSION BROADCASTING SERVICE			B Mode stereo
9063		NEWS			News
9064		BACKGROUND RECTANGLE	2B1B		BLACK LARGE SQUARE (Amd4), related to 25A0
9065		BACKGROUND CIRCLE	2B24		BLACK LARGE CIRCLE (Amd4), related to 25CF
9066		WEATHER FORECAST			(5929)
9067		TRAFFIC INFORMATION			(4EA4)

9068	映	DRAMA FILM			(6620)
9069	無	FREE BROADCASTING SERVICE			(7121)
9070	料	PAY BROADCASTING			Pay broadcast (6599)
9071	♀	PARENTAL LOCK			
9072	前	THE FIRST PART			First part? (524D)
9073	後	THE LATTER PART			
9074	再	REBROADCAST			Rebroadcast
9075	新	NEW SERIES OF PROGRAMS			New series
9076	初	FIRST RELEASED PROGRAM			New release program
9077	終	THE LAST EPISODE			Last episode
9078	生	LIVE BROADCAST			Live broadcast
9079	販	MAIL-ORDER			Mail order
9080	声	VOICE ACTORS			Voice actors
9081	吹	DUBBED VERSION			Dubbed
9082	PPV	PAY-PER-VIEW			Pay per view
9083	秘	CONFIDENTIAL	3299	秘	CIRCLED IDEOGRAPH SECRET
9084	ほか	AND OTHERS			

Map/Guide symbols

ARIB	glyph	Description	UCS	glyph	Comment
9101	〇	PUBLIC OFFICE GOVERNMENTAL AGENCY			Public office
9102	◎	PREFECTURAL OFFICE			Prefectural office
9103	◎	MUNICIPAL OFFICE	25CE	◎	BULLSEYE
9104	○	TOWN OFFICE OR VILLAGE OFFICE	25CB	○	WHITE CIRCLE
9105	⊗	POLICE OFFICE	2A02	⊗	Like 2297 ⊗ or 2A02 ⊗N-ARY CIRCLED TIMES OPERATOR
9106	×	POLICE SATELLITE OFFICE			Like 00D7 x or 2A09 N-ARY TIMES OPERATOR
9107	⊕	FIRE STATION	328B	⊕	CIRCLED IDEOGRAPH FIRE
9108	〒	POST OFFICE	3012	〒	POSTAL MARK (slightly larger)
9109	⊕	HOSPITAL OR CLINIC			
9110	⊗	SCHOOL			
9111	⊗	KINDERGARTEN			
9112	卍	SHRINE			
9113	卍	TEMPLE	0FD6	卍	TIBETAN SYMBOL GYUNG DRUNG PHYI-KOR, also CJK 534D
9114	⊕	CHURCH			

9115		REMAINS OF A CASTLE			Remains of castle
9116		HISTORIC SITE OR PLACE OF SCENIC BEAUTY			Like 2234 ∴ THEREFORE
9117		HOT SPRING	2668		HOT SPRINGS
9118		FACTORY			Some similarities with 263C ☀ WHITE SUN, or 2699 ⚙ GEAR
9119		POWER PLANT OR POWER SUBSTATION			
9120		LIGHTHOUSE			
9121		HARBOR	2693		ANCHOR
9122		AIRPORT	2708		AIRPLANE
9123		MOUNTAIN	25B2		BLACK-UP POINTING TRIANGLE
9124		BATHING BEACH			Beach
9125		PARK			
9126		GOLF COURSE			
9127		FERRYBOAT TERMINAL			
9128		MARINA OR YACHT HARBOR			
9129		HOTEL			
9130		DEPARTMENT STORE	24B9		CIRCLED LATIN CAPITAL LETTER D
9131		STATION	24C8		CIRCLED LATIN CAPITAL LETTER S
9132		INTERSECTION			Intersection
9133		PARKING SPACE			Parking space
9134		INTERCHANGE OR RAMP			(Part of the highway system)
9135		SERVICE AREA			(Part of the highway system)
9136		PARKING AREA			(Part of the highway system)
9137		JUNCTION			(Part of the highway system)
9138		SKIING FIELD			Ski resort
9139		ICE SKATING FIELD			
9140		TRACK AND FIELD OR GYMNASIUM			
9141		CAMPING SITE			
9142		LEISURE CENTER			
9143		TELEPHONE COMPANY	260E		TELEPHONE
9144		BANK			
9145		GRAVEYARD OR MEMORIAL PARK OR CEMETERY			
9146		GAS STATION			
9147		DRIVE-IN RESTAURANT			
9148		MUSEUM OR CULTURAL CENTER			

9149	≡	SELF-DEFENSE-FORCES SITE			
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Arrows and ellipses

ARIB	glyph	Description	UCS	glyph	comment
9201	➡		27A1	➡	BLACK RIGHTWARDS ARROW
9202	➠		2B05	➠	BLACK LEFTWARDS ARROW
9203	⬆		2B06	⬆	BLACK UPWARDS ARROW
9204	⬇		2B07	⬇	BLACK DOWNWARDS ARROW
9205	○		2B2F	○	WHITE VERTICAL ELLIPSE
9206	●		2B2E	●	BLACK VERTICAL ELLIPSE

Japanese date and currency symbols

Their mapping to regular CJK Unified Ideographs is shown below, although it may be argued that usage as a symbol would require a separate encoding to be typeface independent.

ARIB	glyph	Description	UCS	glyph	comment
9207	年		5E74	年	Year
9208	月		6708	月	Month
9209	日		65E5	日	Day
9210	円		5186	円	Yen

Squared Latin abbreviations

ARIB	Glyph	Description	UCS	glyph	comment
9211	m ²		33A1	m ²	SQUARE M SQUARED
9212	m ³		33A5	m ³	SQUARE M CUBED
9213	cm	CENTIMETER	339D	cm	SQUARE CM
9214	cm ²	SQUARE CENTIMETER	33A0	cm ²	SQUARE CM SQUARED
9215	cm ³	CUBIC CENTIMETER	33A4	cm ³	SQUARE CM CUBED

Numbers period, second set (0-9)

ARIB	glyph	Description	UCS	glyph	comment
9216	0.				DIGIT ZERO FULL STOP
9217	1.		2488	1.	DIGIT ONE FULL STOP
9218	2.		2489	2.	DIGIT TWO FULL STOP
9219	3.		248A	3.	DIGIT THREE FULL STOP
9220	4.		248B	4.	DIGIT FOUR FULL STOP
9221	5.		248C	5.	DIGIT FIVE FULL STOP
9222	6.		248D	6.	DIGIT SIX FULL STOP

9223	7.		248E	7.	DIGIT SEVEN FULL STOP
9224	8.		248F	8.	DIGIT EIGHT FULL STOP
9225	9.		2490	9.	DIGIT NINE FULL STOP

Registry office symbols (?)

ARIB	glyph	Description	UCS	glyph	comment
9226	氏		6C0F		(related to 氏 family) 70% size
9227	副		526F		(related to 副 supplement) 70% size
9228	元		5143		(related to 元 first) 70% size
9229	故		6545		(related to 故 late, old) 70% size
9230	前		524D		(related to 前 preceding) 70% size
9231	新		65B0		(related to 新 new) 70% size

Numbers comma

ARIB	glyph	Description	UCS	glyph	comment
9232	0,				DIGIT ZERO COMMA
9233	1,				DIGIT ONE COMMA
9234	2,				DIGIT TWO COMMA
9235	3,				DIGIT THREE COMMA
9236	4,				DIGIT FOUR COMMA
9237	5,				DIGIT FIVE COMMA
9238	6,				DIGIT SIX COMMA
9239	7,				DIGIT SEVEN COMMA
9240	8,				DIGIT EIGHT COMMA
9241	9,				DIGIT NINE COMMA

Parenthesized and Circled Ideographs

ARIB	glyph	Description	UCS	glyph	comment
9242	(社)	ZAIDANHOZIN	3233	(社)	PARENTHESIZED IDEOGRAPH SOCIETY
9243	(財)	SYADANHOZIN	3236	(財)	PARENTHESIZED IDEOGRAPH FINANCIAL
9244	(有)	YU-UGENKAISYA	3232	(有)	PARENTHESIZED IDEOGRAPH HAVE
9245	(株)	KABUSHIKIKAISYA	3231	(株)	PARENTHESIZED IDEOGRAPH STOCK
9246	(代)	REPRESENTATION	3239	(代)	PARENTHESIZED IDEOGRAPH REPRESENT
9247	(問)				Related to 554F 問 (ask)

Geometric shapes (could also be music related, see ARIB 9064-9065)

ARIB	glyph	Description	UCS	glyph	comment
9248	▶				Similar to ▶ 25B6 BLACK RIGHT-POINTING TRIANGLE but larger
9249	◀				Similar to ◀ 25C0 BLACK LEFT-POINTING TRIANGLE but larger

CJK brackets

ARIB	glyph	Description	UCS	glyph	comment
9250	⌈		3016	⌈	LEFT WHITE LENTICULAR BRACKET
9251	⌋		3017	⌋	RIGHT WHITE LENTICULAR BRACKET

Miscellaneous symbols

ARIB	glyph	Description	UCS	glyph	comment
9252	◊				

Superscripts

ARIB	glyph	Description	UCS	glyph	comment
9253	²		00B2	²	SUPERSCRIP TWO (different advance width)
9254	³		00B3	³	SUPERSCRIP THREE

Closed Caption (?) symbols

ARIB	glyph	Description	UCS	glyph	comment
9255	Ⓒ	CIRCLED CD			
9256	<i>(vn)</i>	VIOLIN			
9257	<i>(ob)</i>	OBOE			
9258	<i>(cb)</i>	CONTRABASS			
9259	<i>(ce)</i>	CEMBALO 1			First part
9260	<i>(mb)</i>	CEMBALO 2			Second part
9261	<i>(hp)</i>	HARP			
9262	<i>(br)</i>	BARITONE			
9263	<i>(p)</i>	PIANO			
9264	<i>(s)</i>	SOPRANO			
9265	<i>(ms)</i>	MEZZO-SOPRANO			
9266	<i>(t)</i>	TENOR			
9267	<i>(bs)</i>	BASSO			
9268	<i>(b)</i>	BASS			

9269	<i>(tb)</i>	TROMBONE			
9270	<i>(tp)</i>	TRUMPET			
9271	<i>(ds)</i>	DRUMS			
9272	<i>(ag)</i>	ACOUSTIC GUITAR			
9273	<i>(eg)</i>	ELECTRIC GUITAR			
9274	<i>(vo)</i>	VOCAL			
9275	<i>(fl)</i>	FLUTE			
9276	<i>(ke)</i>	KEYBOARD 1			First part
9277	<i>y)</i>	KEYBOARD 2			Second part
9278	<i>(sa)</i>	SAXOPHONE 1			First part
9279	<i>x)</i>	SAXOPHONE 2			Second part
9280	<i>(sy)</i>	SYNTHESIZER 1			First part
9281	<i>n)</i>	SYNTHESIZER 2			Second part
9282	<i>(or)</i>	ORGAN 1			First part
9283	<i>g)</i>	ORGAN 2			Second part
9284	<i>(pe)</i>	PERCUSSION 1			First part
9285	<i>r)</i>	PERCUSSION 2			Second part
9286	Ⓜ	DISC RECORD			
9287	Ⓒ	SINGLE DISC RECORD OR COMPACT DISC			
9288	箏	KOTO			Japanese harp (circled 7B8F 箏 string instrument)
9289	DJ	DISC JOCKEY			
9290	演	PERFORMED BY			

Letterlike symbols

ARIB	glyph	Description	UCS	glyph	comment
9291	Fax	FACSIMILE	213B	FAX	FACSIMILE SIGN

Parenthesized ideographs

ARIB	glyph	Description	UCS	glyph	comment
9301	(月)		322A	(月)	PARENTHESIZED IDEOGRAPH MOON
9302	(火)		322B	(火)	PARENTHESIZED IDEOGRAPH FIRE
9303	(水)		322C	(水)	PARENTHESIZED IDEOGRAPH WATER
9304	(木)		322D	(木)	PARENTHESIZED IDEOGRAPH WOOD
9305	(金)		322E	(金)	PARENTHESIZED IDEOGRAPH METAL
9306	(土)		322F	(土)	PARENTHESIZED IDEOGRAPH EARTH

9307	(日)		3230	(日)	PARENTHESES IDEOGRAPH SUN
9308	(祝)		3237	(祝)	PARENTHESES IDEOGRAPH CONGRATULATION

Japanese Era names

ARIB	glyph	Description	UCS	glyph	comment
9309	明治	THE MEIJI ERA	337E	明治	SQUARE ERA NAME MEIZI
9310	大正	THE TAISHO ERA	337D	大正	SQUARE ERA NAME TAISYOU
9311	昭和	THE SHOWA ERA	337C	昭和	SQUARE ERA NAME SYOUWA
9312	平成	THE HEISEI ERA	337D	平成	SQUARE ERA NAME HEISEI

Letterlike symbols

ARIB	glyph	Description	UCS	glyph	comment
9313	No.		2116	No.	NUMERO SIGN
9314	Tel		2121	TEL	TELEPHONE SIGN

Miscellaneous symbols

ARIB	glyph	Description	UCS	glyph	comment
9315	Ⓣ		3036	Ⓣ	CIRCLED POST MARK
9316	Ⓣ				(Baseball?)

Tortoise Shell Bracketed Ideographs

ARIB	glyph	Description	UCS	glyph	comment
9317	[本]				(Bracketed 672C本)
9318	[三]				(related to 3222 (三))
9319	[二]				(related to (二))
9320	[安]				
9321	[点]				
9322	[打]				
9323	[盗]				
9324	[勝]				
9325	[敗]				

Miscellaneous symbols

ARIB	glyph	Description	UCS	glyph	comment
9326	[S]				

Square Enclosed Ideographs

ARIB	glyph	Description	UCS	glyph	comment
9327	投				
9328	捕				
9329	一				
9330	二				
9331	三				
9332	遊				
9333	左				
9334	中				
9335	右				
9336	指				
9337	走				
9338	打				

Letterlike symbol

ARIB	glyph	Description	UCS	glyph	comment
9339	ℓ	LITER	2113	ℓ	SCRIPT SMALL L

Squared Latin abbreviations









ARIB	glyph	Description	UCS	glyph	comment
9340	kg	KILOGRAM	338F	kg	SQUARE KG
9341	Hz	HERTZ	3390	Hz	SQUARE HZ
9342	ha	HECTARE	33CA	ha	SQUARE HA
9343	km	KILOMETER	339E	km	SQUARE KM
9344	km ²	SQUARE KILOMETER	33A2	km ²	SQUARE KM SQUARED
9345	hPa	HECTOPASCAL	3371	hPa	SQUARE HPA

Number forms



ARIB	glyph	Description	UCS	glyph	comment
9348	½	A HALF	00BD	½	VULGAR FRACTION ONE HALF
9349	⅓				VULGAR FRACTION ZERO THIRD (?)
9350	⅓	ONE THIRD	2153	⅓	VULGAR FRACTION ONE THIRD
9351	⅔	TWO THIRDS	2154	⅔	VULGAR FRACTION TWO THIRDS
9352	¼	A QUARTER	00BC	¼	VULGAR FRACTION ONE QUARTER
9353	¾	THREE QUARTERS	00BE	¾	VULGAR FRACTION THREE QUARTERS

9354	1/5	ONE FIFTH	2155	1/5	VULGAR FRACTION ONE FIFTH
9355	2/5	TWO FIFTHS	2156	2/5	VULGAR FRACTION TWO FIFTHS
9356	3/5	THREE FIFTHS	2157	3/5	VULGAR FRACTION THREE FIFTHS
9357	4/5	FOUR FIFTHS	2158	4/5	VULGAR FRACTION FOUR FIFTHS
9358	1/6	ONE SIXTH	2159	1/6	VULGAR FRACTION ONE SIXTH
9359	5/6	FIVE SIXTHS	215A	5/6	VULGAR FRACTION FIVE SIXTHS
9360	1/7	ONE SEVENTH			VULGAR FRACTION ONE SEVENTH
9361	1/8	ONE EIGHTH	215B	1/8	VULGAR FRACTION ONE EIGHTH
9362	1/9	ONE NINTH			VULGAR FRACTION ONE NINTH
9363	1/10	ONE TENTH			VULGAR FRACTION ONE TENTH













Weather symbols, first part

ARIB	glyph	Description	UCS	glyph	Comment
9364			2600		BLACK SUN WITH RAYS
9365			2601		CLOUD
9366			2602		UMBRELLA
9367					Light snow? (related to 2603 )







Miscellaneous symbols

ARIB	glyph	Description	UCS	glyph	comment
9368			2616		WHITE SHOGI PIECE
9369			2617		BLACK SHOGI PIECE
9370					TURNED WHITE SHOGI PIECE
9371					TURNED BLACK SHOGI PIECE
9372			2666		BLACK DIAMOND SUIT (SMALLER)
9373			2665		BLACK HEART SUIT (SMALLER)
9374			2663		BLACK CLUB SUIT (SMALLER)
9375			2660		BLACK SPADE SUIT (SMALLER)
9376					Similar to 232A  APL FUNCTIONAL SYMBOL QUAD DIAMOND but larger
9377					Similar to 2299 CIRCLED DOT OPERATOR but larger
9378			203C		DOUBLE EXCLAMATION MARK
9379			2049		EXCLAMATION QUESTION MARK

Weather symbols, second part

ARIB	glyph	Description	UCS	glyph	comment
9380		CLOUDY OR FAIR			
9381		SHOWER	2614		Umbrella with rain drops
9382		RAIN			Rain
9383		SNOW			Related to 2603  SNOWMAN
9384		HEAVY SNOW			Related to 2603  SNOWMAN
9385		THUNDER	2607		THUNDER (look different)
9386		THUNDERSTORMS	2608		THUNDERSTORM (look different)

Close Caption symbols

ARIB	glyph	Description	UCS	glyph	comment
9388					Someone speaking (Close Captioning)
9389					Background speaking (CC)
9390			266C		BEAMED SIXTEENTH NOTES (Background music CC)
9391			260E		BLACK TELEPHONE (Phone ringing CC)

Number and Letter forms

ARIB	glyph	Description	UCS	glyph	comment
9401	I		2160	I	ROMAN NUMERAL ONE
9402	II		2161	II	ROMAN NUMERAL TWO
9403	III		2162	III	ROMAN NUMERAL THREE
9404	IV		2163	IV	ROMAN NUMERAL FOUR
9405	V		2164	V	ROMAN NUMERAL FIVE
9406	VI		2165	VI	ROMAN NUMERAL SIX
9407	VII		2166	VII	ROMAN NUMERAL SEVEN
9408	VIII		2167	VIII	ROMAN NUMERAL EIGHT
9409	IX		2168	IX	ROMAN NUMERAL NINE
9410	X		2169	X	ROMAN NUMERAL TEN
9411	XI		216A	XI	ROMAN NUMERAL ELEVEN
9412	XII		216B	XII	ROMAN NUMERAL TWELVE
9413	⑰	CIRCLED NUMBER SEVENTEEN	2470	⑰	CIRCLED NUMBER SEVENTEEN
9414	⑱	CIRCLED NUMBER EIGHTEEN	2471	⑱	CIRCLED NUMBER EIGHTEEN
9415	⑲	CIRCLED NUMBER NINETEEN	2472	⑲	CIRCLED NUMBER NINETEEN
9416	⑳	CIRCLED NUMBER TWENTY	2473	⑳	CIRCLED NUMBER TWENTY

9417	(1)		2474	(1)	PARENTHESIZED DIGIT ONE
9418	(2)		2475	(2)	PARENTHESIZED DIGIT TWO
9419	(3)		2476	(3)	PARENTHESIZED DIGIT THREE
9420	(4)		2477	(4)	PARENTHESIZED DIGIT FOUR
9421	(5)		2478	(5)	PARENTHESIZED DIGIT FIVE
9422	(6)		2479	(6)	PARENTHESIZED DIGIT SIX
9423	(7)		247A	(7)	PARENTHESIZED DIGIT SEVEN
9424	(8)		247B	(8)	PARENTHESIZED DIGIT EIGHT
9425	(9)		247C	(9)	PARENTHESIZED DIGIT NINE
9426	(10)		247D	(10)	PARENTHESIZED DIGIT TEN
9427	(11)		247E	(11)	PARENTHESIZED DIGIT ELEVEN
9428	(12)		247F	(12)	PARENTHESIZED DIGIT TWELVE
9429	(21)	CIRCLED NUMBER TWENTY ONE	3251	(21)	CIRCLED NUMBER TWENTY ONE
9430	(22)	CIRCLED NUMBER TWENTY TWO	3252	(22)	CIRCLED NUMBER TWENTY TWO
9431	(23)	CIRCLED NUMBER TWENTY THREE	3253	(23)	CIRCLED NUMBER TWENTY THREE
9432	(24)	CIRCLED NUMBER TWENTY FOUR	3254	(24)	CIRCLED NUMBER TWENTY FOUR
9433	(A)				
9434	(B)				
9435	(C)				
9436	(D)				
9437	(E)				
9438	(F)				
9439	(G)				
9440	(H)				
9441	(I)				
9442	(J)				
9443	(K)				
9444	(L)				
9445	(M)				
9446	(N)				
9447	(O)				
9448	(P)				
9449	(Q)				
9450	(R)				

9451	(S)				
9452	(T)				
9453	(U)				
9454	(V)				
9455	(W)				
9456	(X)				
9457	(Y)				
9458	(Z)				
9459	⑲	CIRCLED NUMBER TWENTY-FIVE	3255	⑲	CIRCLED NUMBER TWENTY FIVE
9460	⑳	CIRCLED NUMBER TWENTY-SIX	3256	⑳	CIRCLED NUMBER TWENTY SIX
9461	㉑	CIRCLED NUMBER TWENTY-SEVEN	3257	㉑	CIRCLED NUMBER TWENTY SEVEN
9462	㉒	CIRCLED NUMBER TWENTY-EIGHT	3258	㉒	CIRCLED NUMBER TWENTY EIGHT
9463	㉓	CIRCLED NUMBER TWENTY-NINE	3259	㉓	CIRCLED NUMBER TWENTY NINE
9464	㉔	CIRCLED NUMBER THIRTY	325a	㉔	CIRCLED NUMBER THIRTY
9465	①	CIRCLE DIGIT ONE	2460	①	CIRCLE DIGIT ONE
9466	②	CIRCLE DIGIT TWO	2461	②	CIRCLE DIGIT TWO
9467	③	CIRCLE DIGIT THREE	2462	③	CIRCLE DIGIT THREE
9468	④	CIRCLE DIGIT FOUR	2463	④	CIRCLE DIGIT FOUR
9469	⑤	CIRCLE DIGIT FIVE	2464	⑤	CIRCLE DIGIT FIVE
9470	⑥	CIRCLE DIGIT SIX	2465	⑥	CIRCLE DIGIT SIX
9471	⑦	CIRCLE DIGIT SEVEN	2466	⑦	CIRCLE DIGIT SEVEN
9472	⑧	CIRCLE DIGIT EIGHT	2467	⑧	CIRCLE DIGIT EIGHT
9473	⑨	CIRCLE DIGIT NINE	2468	⑨	CIRCLE DIGIT NINE
9474	⑩	CIRCLE DIGIT TEN	2469	⑩	CIRCLE DIGIT TEN
9475	⑪	CIRCLE DIGIT ELEVEN	246a	⑪	CIRCLE DIGIT ELEVEN
9476	⑫	CIRCLE DIGIT TWELVE	246b	⑫	CIRCLE DIGIT TWELVE
9477	⑬	CIRCLE DIGIT THIRTEEN	246c	⑬	CIRCLE DIGIT THIRTEEN
9478	⑭	CIRCLE DIGIT FOURTEEN	246d	⑭	CIRCLE DIGIT FOURTEEN
9479	⑮	CIRCLE DIGIT FIFTEEN	246e	⑮	CIRCLE DIGIT FIFTEEN
9480	⑯	CIRCLE DIGIT SIXTEEN	246f	⑯	CIRCLE DIGIT SIXTEEN
9481	❶		2776	❶	DINGBAT NEGATIVE CIRCLED DIGIT ONE
9482	❷		2777	❷	DINGBAT NEGATIVE CIRCLED DIGIT TWO
9483	❸		2778	❸	DINGBAT NEGATIVE CIRCLED DIGIT THREE
9484	❹		2779	❹	DINGBAT NEGATIVE CIRCLED DIGIT FOUR

9485	⑤		277a	⑤	DINGBAT NEGATIVE CIRCLED DIGIT FIVE
9486	⑥		277b	⑥	DINGBAT NEGATIVE CIRCLED DIGIT SIX
9487	⑦		277c	⑦	DINGBAT NEGATIVE CIRCLED DIGIT SEVEN
9488	⑧		277d	⑧	DINGBAT NEGATIVE CIRCLED DIGIT EIGHT
9489	⑨		277e	⑨	DINGBAT NEGATIVE CIRCLED DIGIT NINE
9490	⑩		277f	⑩	DINGBAT NEGATIVE CIRCLED DIGIT TEN
9491	⑪		24eb	⑪	DINGBAT NEGATIVE CIRCLED DIGIT ELEVEN
9492	⑫		24ec	⑫	DINGBAT NEGATIVE CIRCLED DIGIT TWELVE
9493	③①	CIRCLED NUMBER THIRTY-ONE	325b	③①	CIRCLED NUMBER THIRTY ONE
