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|---------|----------------------|
| Title: | Japanese TV Symbols |
| Source: | Michel Suignard |
| Action: | Consideration by UTC |

Summary

In the context of Japanese TV broadcast (ARIB: Association of Radio Industries and Businesses), character sets are used in text streaming which are mostly included in Unicode. 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 Unicode. However many still are not and that has lead to the creation of Private Use characters in fonts used in the ARIB context. 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

The enclosed characters could be added or expressed with the current characters using the enclosing diacritics such as 20DD COMBINING ENCLOSING CIRCLE and 20DE COMBINING ENCLOSING SQUARE. There is no enclosing diacritic for the Tortoise Shell bracket ‘`⌈`’`⌋`’, so the encoding of that bracketed set is more problematic. Finally, it is not clear yet whether the tortoise shell bracket notation and the parenthesis could be unified in that context or not (lack of information).

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; or at least their unification status is unclear and would need further discussion in the context of the IRG. Discussion about these is outside the scope of this document.

Symbols

Traffic signs

No traffic signs are currently encoded. Some of the characters below are probably good candidate for encoding, however quite a few have a left-side driving bias (such as ‘Alternate one way traffic’) and some are somehow Japanese specific (such as the ‘Maintenance’ symbol)

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------|---------|-------|--|
| 9001 | E0C9 | | | | Accident |
| 9002 | E0CA | | | | Disabled car |
| 9003 | E0CB | | | | Obstacles on the road, related to 26A0 |
| 9004 | E0CC | | | | Under construction |
| 9005 | E0CD | | | | Icy (slippery) road |
| 9006 | E0CE | | | | Maintenance (ambulance)? |
| 9008 | E0D0 | | | | Road closed (accident?) |
| 9009 | E0D1 | | | | Alternate one way traffic (left-side driving bias) |
| 9010 | E0D2 | | | | Tire chains required |
| 9011 | E0D3 | | | | No entry |
| 9016 | E0D8 | | | | Parking |
| 9017 | E0D9 | | | | Parking closed |
| 9020 | E0DC | | | | Two way traffic, black |
| 9021 | E0DD | | | | Two way traffic, white |
| 9022 | E0DE | | | | Lane merge, black (possible LD bias) |
| 9023 | E0DF | | | | Lane merge, white (possible LD bias) |
| 9024 | E0E0 | | | | Drive slowly (?) |
| 9025 | E0E1 | | | | Drive slowly |
| 9026 | E0E2 | | | | Closed entry (? , LD bias) |
| 9027 | E0E3 | | | | Closed entry, similar to 22A0 |
| 9028 | E0E4 | | | | Closed to large cars (?) |
| 9029 | E0E5 | | | | Closed to large cars (? , truck image) |
| 9030 | E0E6 | | | | Restricted entry (?) |
| 9031 | E0E7 | | | | Restricted entry (?) |
| 9032 | E0E8 | | | | Basic speed limit (?) , similar to 25EF |
| 9033 | E0E9 | | | | 10kmph, Other variant of enclosed numeric |
| 9034 | E0EA | | | | 20kmph, Other variant of enclosed numeric |
| 9035 | E0EB | | | | 30kmph, Other variant of enclosed numeric |





































| | | | | | |
|------|------|---|--|--|---|
| 9036 | E0EC |  | | | 40kmph, Other variant of enclosed numeric |
| 9037 | E0ED |  | | | 50kmph, Other variant of enclosed numeric |
| 9038 | E0EE |  | | | 60kmph, Other variant of enclosed numeric |
| 9039 | E0EF |  | | | 70kmph, Other variant of enclosed numeric |
| 9040 | E0F0 |  | | | 80kmph, Other variant of enclosed numeric |

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

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------|---------|-------|---------|
| 9045 | E0F5 | 10. | 2491 | 10. | |
| 9046 | E0F6 | 11. | 2492 | 11. | |
| 9047 | E0F7 | 12. | 2493 | 12. | |

Audio/Video 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 | PUA | glyph | Unicode | glyph | comment |
|------|------|---|------------|---|--|
| 9048 | E0F8 |  | | | HDTV (High Definition Television) |
| 9049 | E0F9 |  | | | SDTV (Standard Definition Television) |
| 9050 | E0FA |  | 0050, 20DE |  | Progressive scan |
| 9051 | E0FB |  | 0057, 20DE |  | Wide format broadcast |
| 9052 | E0FC |  | | | Multi view TV |
| 9053 | E0FD |  | 624B, 20DE |  | Sign language broadcast |
| 9054 | E0FE |  | 5B57, 20DE |  | Closed captions |
| 9055 | E0FF |  | 53CC, 20DE |  | Two way broadcast |
| 9056 | E180 |  | 30C7, 20DE |  | Data broadcasting service with linked main program |
| 9057 | E181 |  | 0053, 20DE |  | Stereo |
| 9058 | E182 |  | 4E8C, 20DE |  | Bilingual |
| 9059 | E183 |  | 591A, 20DE |  | Sound multiplex |
| 9060 | E184 |  | 89E3, 20DE |  | Commentary |
| 9061 | E185 |  | | | Surround stereo |
| 9062 | E186 |  | 0042, 20DE |  | B Mode stereo |
| 9063 | E187 |  | 004E, 20DE |  | News |
| 9064 | E188 |  | 25A0 |  | (PUA character is bigger) |
| 9065 | E189 |  | 25CF |  | (PUA character is bigger) |
| 9066 | E18A |  | 5929, 20DE |  | Weather forecast |
| 9067 | E18B |  | 4EA4, 20DE |  | Traffic information |

| | | | | | |
|------|------|-----|-------------|---|---------------------|
| 9068 | E18C | 映 | 6620, 20DE | 映 | Drama |
| 9069 | E18D | 無 | 7121, 20DE | 無 | Free broadcast |
| 9070 | E18E | 料 | 6599, 20DE | 料 | Pay broadcast |
| 9071 | E18F | ♀ | | | Parental lock |
| 9072 | E190 | 前 | 26BAF, 20DE | | First part |
| 9073 | E191 | 後 | | | Last part |
| 9074 | E192 | 再 | | | Rebroadcast |
| 9075 | E193 | 新 | | | New series |
| 9076 | E194 | 初 | | | New release program |
| 9077 | E195 | 終 | | | Last episode |
| 9078 | E196 | 生 | | | Live broadcast |
| 9079 | E197 | 販 | | | Mail order |
| 9080 | E198 | 声 | | | Voice actors |
| 9081 | E199 | 吹 | | | Dubbed |
| 9082 | E19A | PPV | | | Pay per view |
| 9083 | E19B | 秘 | 3299 | 秘 | Confidential |
| 9084 | E19C | ほか | | | And others |

Map/Guide symbols

In addition to these symbols, we should note that the temple symbol is also common 卍. It now requires a CJK character but should be encoded as a symbol (probably as a Tibetan religious symbol).

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------|---------|-------|---|
| 9101 | E1A7 | ♾ | | | Public office |
| 9102 | E1A8 | ◎ | | | Prefectural office |
| 9103 | E1A9 | ◎ | 25CE | ◎ | Municipal office |
| 9104 | E1AA | ○ | 25CB | ○ | Town office |
| 9105 | E1AB | ⊗ | 2A02 | ⊗ | Police office, (like 2297 ⊗ or 2A02 ⊗) |
| 9106 | E1AC | × | | | Police satellite office, like 00D7 ×) |
| 9107 | E1AD | 火 | 328B | 火 | Fire station (unified with Circled Ideograph Fire) |
| 9108 | E1AE | 〒 | 3012 | 〒 | Post office (unified with postal mark, slightly larger) |
| 9109 | E1AF | + | | | Hospital |
| 9110 | E1B0 | 文 | | | School |
| 9111 | E1B1 | 幼 | | | Kindergarten |
| 9112 | E1B2 | 卍 | | | Shrine |
| 9113 | | | 534D | 卍 | (Could be encoded as a new symbol) |

| | | | | | |
|------|------|---|------|---|--|
| 9114 | E1B4 |  | | | Church |
| 9115 | E1B5 |  | | | Remains of castle |
| 9116 | E1B6 |  | | | Historic place of interest, (similar to 2234 ∴) |
| 9117 | E1B7 |  | 2668 |  | Hot springs, font has both |
| 9118 | E1B8 |  | | | Factory, some similarities to 263C ☀ (white sun), or 2699 ⚙ (gear) |
| 9119 | E1B9 |  | | | Power plant |
| 9120 | E1BA |  | | | Light house |
| 9121 | E1BB |  | 2693 |  | Harbor (unified with 2693 anchor) |
| 9122 | E1BC |  | 2708 |  | Airport (unified with 2708 airplane) |
| 9123 | E1BD |  | 25B2 |  | Mountain (unified with geometric shapes) |
| 9124 | E1BE |  | | | Beach |
| 9125 | E1BF |  | | | Park |
| 9126 | E1C0 |  | | | Golf |
| 9127 | E1C1 |  | | | Ferry |
| 9128 | E1C2 |  | | | Marina |
| 9129 | E1C3 |  | | | Hotel |
| 9130 | E1C4 |  | 24B9 |  | Department store |
| 9131 | E1C5 |  | 24C8 |  | Station |
| 9132 | E1C6 |  | | | Intersection |
| 9133 | E1C7 |  | | | Parking space |
| 9134 | E1C8 |  | | | Intersection |
| 9135 | E1C9 |  | | | Service area |
| 9136 | E1CA |  | | | Parking area |
| 9137 | E1CB |  | | | Junction |
| 9138 | E1CC |  | | | Ski resort |
| 9139 | E1CD |  | | | Ice skating |
| 9140 | E1CE |  | | | Track and field |
| 9141 | E1CF |  | | | Camping |
| 9142 | E1D0 |  | | | Leisure center |
| 9143 | E1D1 |  | 260E |  | Telephone |
| 9144 | E1D2 |  | | | Bank (?) |
| 9145 | E1D3 |  | | | Graveyard |
| 9146 | E1D4 |  | | | Gas station |
| 9147 | E1D5 |  | | | Drive in restaurant (?) |

| | | | | | |
|------|------|----|--|--|---------------------|
| 9148 | E1D6 | 🏛️ | | | Museum |
| 9149 | E1D7 | 🛡️ | | | Self defense forces |

Arrows

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------|---------|-------|---------|
| 9201 | E285 | ➡️ | 27A1 | ➡️ | |
| 9202 | E286 | ⬅️ | 2B05 | | |
| 9203 | E287 | ⬆️ | 2B06 | | |
| 9204 | E288 | ⬇️ | 2B07 | | |

Chad symbols

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------|---------|-------|---------------|
| 9205 | E289 | ◌ | | | (White chad?) |
| 9206 | E28A | ● | | | (Black chad?) |

Japanese date symbols

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------|---------|-------|---------|
| 9207 | E28B | 年 | 5E74 | 年 | Year |
| 9208 | E28C | 月 | 6708 | 月 | Month |
| 9209 | E28D | 日 | 65E5 | 日 | Day |

Japanese currency symbol

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------|---------|-------|---------|
| 9210 | E28E | 円 | 5186 | 円 | Yen |

Squared Latin abbreviations

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|-----|-------|---------|-------|---------|
| 9211 | | ㎡ | 33A1 | ㎡ | |
| 9212 | | ㎐ | 33A5 | ㎐ | |
| 9213 | | ㎝ | 339D | ㎝ | |
| 9214 | | ㎝² | 33A0 | ㎝² | |
| 9215 | | ㎝³ | 33A4 | ㎝³ | |

Numbers period, second set (0-9)

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------|------------|-------|--|
| 9216 | E28F | 0. | 0030, 002E | 0. | (other numbers 1.-9. are encoded at 2488-2490) |
| 9217 | | 1. | 2488 | 1. | |

| | | | | | |
|------|--|-----------|------|-----------|--|
| 9218 | | 2. | 2489 | 2. | |
| 9219 | | 3. | 248A | 3. | |
| 9220 | | 4. | 248B | 4. | |
| 9221 | | 5. | 248C | 5. | |
| 9222 | | 6. | 248D | 6. | |
| 9223 | | 7. | 248E | 7. | |
| 9224 | | 8. | 248F | 8. | |
| 9225 | | 9. | 2490 | 9. | |

Registry office symbols (?)

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------|---------|-------|-------------------------------|
| 9226 | E290 | 氏 | 6C0F | 氏 | (family) |
| 9227 | E291 | 副 | 526F | 副 | (supplement, size difference) |
| 9228 | E292 | 元 | 5143 | 元 | (first) |
| 9229 | E293 | 故 | 6545 | 故 | (late, old) |
| 9230 | E294 | 前 | 524D | 前 | (preceding) |
| 9231 | E295 | 新 | 65B0 | 新 | (new) |

Numbers comma

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------|------------|-------|---------|
| 9232 | E296 | 0, | 0030, 002C | 0, | |
| 9233 | E297 | 1, | 0031, 002C | 1, | |
| 9234 | E298 | 2, | 0032, 002C | 2, | |
| 9235 | E299 | 3, | 0033, 002C | 3, | |
| 9236 | E29A | 4, | 0034, 002C | 4, | |
| 9237 | E29B | 5, | 0035, 002C | 5, | |
| 9238 | E29C | 6, | 0036, 002C | 6, | |
| 9239 | E29D | 7, | 0037, 002C | 7, | |
| 9240 | E29E | 8, | 0038, 002C | 8, | |
| 9241 | E29F | 9, | 0039, 002C | 9, | |

Parenthesized Ideographs

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|-----|-------|---------|-------|---|
| 9242 | | (社) | 3233 | (社) | Parenthesized ideograph society (company) |
| 9243 | | (財) | 3236 | (財) | Parenthesized ideograph financial |
| 9244 | | (有) | 3232 | (有) | Parenthesized ideograph have |

| | | | | | |
|------|--|-----|------|-----|-----------------------------------|
| 9245 | | (株) | 3231 | (株) | Parenthesized ideograph stock |
| 9246 | | (代) | 3239 | (代) | Parenthesized ideograph represent |

Circled Ideograph

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------|---------|-------|----------------------|
| 9247 | E2A0 | Ⓜ | | | Circled 554F 問 (ask) |

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

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------|---------|-------|---------|
| 9248 | EA06 | ▶ | 25B6 | ▶ | smaller |
| 9249 | EA07 | ◀ | 25C0 | ◀ | smaller |

CJK brackets

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|-----|-------|---------|-------|---------|
| 9250 | | 【 | 3016 | 【 | |
| 9251 | | 】 | 3017 | 】 | |

Miscellaneous symbols

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------|---------|-------|---------|
| 9252 | E2A1 | ◇ | | | |

Superscripts

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|--------------|---------|--------------|---------------------------|
| 9253 | E2A2 | ² | 00B2 | ² | (different advance width) |
| 9254 | E2A3 | ³ | 00B3 | ³ | |

Closed Caption (?) symbols

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------------|---------|-------|-----------------------|
| 9255 | E2A4 | Ⓒ | | | CD |
| 9256 | E2A5 | <i>(vn)</i> | | | Violin |
| 9257 | E2A6 | <i>(ob)</i> | | | Oboe |
| 9258 | E2A7 | <i>(cb)</i> | | | Contrabass |
| 9259 | E2A8 | <i>(ce)</i> | | | Cembalo (first part) |
| 9260 | E2A9 | <i>(mb)</i> | | | Cembalo (second part) |
| 9261 | E2AA | <i>(hp)</i> | | | Harp |
| 9262 | E2AB | <i>(br)</i> | | | Baritone |
| 9263 | E2AC | <i>(p)</i> | | | Piano |

| | | | | | |
|------|------|------|--|--|--|
| 9264 | E2AD | (s) | | | Soprano |
| 9265 | E2AE | (ms) | | | Mezzo-soprano |
| 9266 | E2AF | (t) | | | Tenor |
| 9267 | E2B0 | (bs) | | | Basso |
| 9268 | E2B1 | (b) | | | Bass |
| 9269 | E2B2 | (tb) | | | Trombone |
| 9270 | E2B3 | (tp) | | | Trumpet |
| 9271 | E2B4 | (ds) | | | Drums |
| 9272 | E2B5 | (ag) | | | Acoustic guitar |
| 9273 | E2B6 | (eg) | | | Electric guitar |
| 9274 | E2B7 | (vo) | | | Vocal |
| 9275 | E2B8 | (fl) | | | Flute |
| 9276 | E2B9 | (ke) | | | Keyboard (first part) |
| 9277 | E2BA | y) | | | Keyboard (second part) |
| 9278 | E2BB | (sa) | | | Saxophone (first part) |
| 9279 | E2BC | x) | | | Saxophone (second part) |
| 9280 | E2BD | (sy) | | | Synthesizer (first part) |
| 9281 | E2BE | n) | | | Synthesizer (second part) |
| 9282 | E2BF | (or) | | | Organ (first part) |
| 9283 | E2C0 | g) | | | Organ (second part) |
| 9284 | E2C1 | (pe) | | | Percussion (first part) |
| 9285 | E2C2 | r) | | | Percussion (second part) |
| 9286 | E3A7 | Ⓜ | | | Disc record |
| 9287 | E3A8 | Ⓢ | | | Single compact disk |
| 9288 | E2C3 | 箏 | | | koto – Japanese harp (circled 7B8F 箏 (kite, string instrument)) |
| 9289 | E2C4 | DJ | | | Disc Jokey |
| 9290 | E2C5 | 演 | | | Performed by |

Letterlike symbols

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------|---------|-------|---------|
| 9291 | E2C6 | Fax | 213B | FAX | |

Parenthesized ideographs

| ARIB | PUA | glyph | Unicode | 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) | Parenthesized ideograph sun |
| 9308 | | (祝) | 3237 | (祝) | Parenthesized ideograph congratulation |

Japanese Era names

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|-----|-------|---------|-------|-------------------------|
| 9309 | | 明治 | 337E | 明治 | Square era name meizi |
| 9310 | | 大正 | 337D | 大正 | Square era name taisyou |
| 9311 | | 昭和 | 337C | 昭和 | Square era name syouwa |
| 9312 | | 大正 | 337D | 大正 | Square era name heisei |

Letterlike symbols

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------|---------|-------|---------|
| 9313 | E2CA | No. | 2116 | No. | |
| 9314 | E2CB | Tel | 2121 | TEL | |

Miscellaneous symbols

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------|---------|-------|-------------|
| 9315 | | Ⓣ | 3036 | Ⓣ | |
| 9316 | E2CC | Ⓣ | | | (Baseball?) |

Tortoise Shell Bracketed Ideographs

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------|---------|-------|---------------------|
| 9317 | E2CD | [本] | | | (Bracketed 672C本) |
| 9318 | E2CE | [三] | | | (related to 3222 三) |
| 9319 | E2CF | [二] | | | (related to 三) |
| 9320 | E2D0 | [安] | | | |
| 9321 | E2D1 | [点] | | | |
| 9322 | E2D2 | [打] | | | |
| 9323 | E2D3 | [盗] | | | |
| 9324 | E2D4 | [勝] | | | |
| 9325 | E2D5 | [敗] | | | |

Miscellaneous symbols

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------|---------|-------|---------|
| 9326 | E2D6 | [S] | | | |

Square Enclosed Ideographs

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------|---------|-------|---------|
| 9327 | E2D7 | 投 | | | |
| 9328 | E2D8 | 捕 | | | |
| 9329 | E2D9 | 一 | | | |
| 9330 | E2DA | 二 | | | |
| 9331 | E2DB | 三 | | | |
| 9332 | E2DC | 遊 | | | |
| 9333 | E2DD | 左 | | | |
| 9334 | E2DE | 中 | | | |
| 9335 | E2DF | 右 | | | |
| 9336 | E2E0 | 指 | | | |
| 9337 | E2E1 | 走 | | | |
| 9338 | E2E2 | 打 | | | |

Letterlike symbol

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------|---------|-------|---------|
| 9339 | EA08 | ℓ | 2113 | ℓ | |

Squared Latin abbreviations









| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|-----|-----------------|---------|-----------------|---------|
| 9340 | | kg | 338F | kg | |
| 9341 | | Hz | 3390 | Hz | |
| 9342 | | ha | 33CA | ha | |
| 9343 | | km | 339E | km | |
| 9344 | | km ² | 33A2 | km ² | |
| 9345 | | hPa | 3371 | hPa | |

Number forms





















| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|-------|---------|-------|----------------------------|
| 9348 | EA09 | ½ | 00BD | ½ | |
| 9349 | E2E5 | ⅓ | | | Vulgar fraction zero third |

| | | | | | |
|------|------|----------------|------|---------------|-----------------------------|
| 9350 | EA0A | $\frac{1}{3}$ | 2153 | $\frac{1}{3}$ | |
| 9351 | EA0B | $\frac{2}{3}$ | 2154 | $\frac{2}{3}$ | |
| 9352 | EA0C | $\frac{1}{4}$ | 00BC | $\frac{1}{4}$ | |
| 9353 | EA0D | $\frac{3}{4}$ | 00BE | $\frac{3}{4}$ | |
| 9354 | EA0E | $\frac{1}{5}$ | 2155 | $\frac{1}{5}$ | |
| 9355 | EA0F | $\frac{2}{5}$ | 2156 | $\frac{2}{5}$ | |
| 9356 | EA10 | $\frac{3}{5}$ | 2157 | $\frac{3}{5}$ | |
| 9357 | EA11 | $\frac{4}{5}$ | 2158 | $\frac{4}{5}$ | |
| 9358 | EA12 | $\frac{1}{6}$ | 2159 | $\frac{1}{6}$ | |
| 9359 | EA13 | $\frac{5}{6}$ | 215A | $\frac{5}{6}$ | |
| 9360 | E2E6 | $\frac{1}{7}$ | | | Vulgar fraction one seventh |
| 9361 | EA14 | $\frac{1}{8}$ | 215B | $\frac{1}{8}$ | |
| 9362 | E2E7 | $\frac{1}{9}$ | | | Vulgar fraction one ninth |
| 9363 | E2E8 | $\frac{1}{10}$ | | | Vulgar fraction one tenth |

Weather symbols, first part












| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|---|---------|---|--|
| 9364 | |  | 2600 |  | |
| 9365 | |  | 2601 |  | |
| 9366 | |  | 2602 |  | |
| 9367 | E2E9 |  | | | Light snow? (related to 2603 ) |

Miscellaneous symbols







| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|---|---------|---|---|
| 9368 | E2EA |  | 2616 |  | White shogi piece |
| 9369 | E2EB |  | 2617 |  | Black shogi piece |
| 9370 | E2EC |  | | | Turned white shogi piece |
| 9371 | E2ED |  | | | Turned black shogi piece |
| 9372 | EA15 |  | 2666 |  | Black diamond suit (smaller) |
| 9373 | EA16 |  | 2665 |  | Black heart suit (smaller) |
| 9374 | EA17 |  | 2663 |  | Black club suit (smaller) |
| 9375 | EA18 |  | 2660 |  | Black spade suit (smaller) |
| 9376 | E2EE |  | 233A |  | Close to 'APL FUNCTIONAL SYMBOL QUAD DIAMOND' |
| 9377 | E2EF |  | 2299 |  | ? |
| 9378 | EA19 |  | 203C |  | |

| | | | | | |
|------|------|----|------|----|--|
| 9379 | EA1A | !? | 2049 | !? | |
|------|------|----|------|----|--|

Weather symbols, second part

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|---|---------|---|--|
| 9380 | E2F1 |  | | | Partly cloudy |
| 9381 | E2F2 |  | 2614 |  | Umbrella with rain drops (showery weather) |
| 9382 | E2F3 |  | | | Rain |
| 9383 | E2F4 |  | | | Snow? (related to 2603 ) |
| 9384 | E2F5 |  | | | Heavy snow? (related to 2603 ) |
| 9385 | E2F6 |  | 26A1 |  | (Thunder ?), unified with 'high voltage sign'? |
| 9386 | E2F7 |  | | | Thunderstorm |

Miscellaneous symbols

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|------|--|---------|--|----------------------|
| 9388 | E2F9 |  | | | (Point of interest?) |
| 9389 | E2FA |  | | | (Point of interest?) |
| 9390 | EA1B |  | 266C |  | (different glyph) |
| 9391 | E2FB |  | 260E |  | |

Number forms

| ARIB | PUA | glyph | Unicode | glyph | comment |
|------|-----|-------|---------|-------|---------|
| 9401 | | I | 2160 | I | |
| 9402 | | II | 2161 | II | |
| 9403 | | III | 2162 | III | |
| 9404 | | IV | 2163 | IV | |
| 9405 | | V | 2164 | V | |
| 9406 | | VI | 2165 | VI | |
| 9407 | | VII | 2166 | VII | |
| 9408 | | VIII | 2167 | VIII | |
| 9409 | | IX | 2168 | IX | |
| 9410 | | X | 2169 | X | |
| 9411 | | XI | 216A | XI | |
| 9412 | | XII | 216B | XII | |
| 9413 | | ⑰ | 2470 | ⑰ | |
| 9414 | | ⑱ | 2471 | ⑱ | |
| 9415 | | ⑲ | 2472 | ⑲ | |

| | | | | | |
|------|------|------|------|------|--|
| 9416 | | (20) | 2473 | (20) | |
| 9417 | | (1) | 2474 | (1) | |
| 9418 | | (2) | 2475 | (2) | |
| 9419 | | (3) | 2476 | (3) | |
| 9420 | | (4) | 2477 | (4) | |
| 9421 | | (5) | 2478 | (5) | |
| 9422 | | (6) | 2479 | (6) | |
| 9423 | | (7) | 247A | (7) | |
| 9424 | | (8) | 247B | (8) | |
| 9425 | | (9) | 247C | (9) | |
| 9426 | | (10) | 247D | (10) | |
| 9427 | | (11) | 247E | (11) | |
| 9428 | | (12) | 247F | (12) | |
| 9429 | | (21) | 3251 | (21) | |
| 9430 | | (22) | 3252 | (22) | |
| 9431 | | (23) | 3253 | (23) | |
| 9432 | | (24) | 3254 | (24) | |
| 9433 | E383 | (A) | | | |
| 9434 | E384 | (B) | | | |
| 9435 | E385 | (C) | | | |
| 9436 | E386 | (D) | | | |
| 9437 | E387 | (E) | | | |
| 9438 | E388 | (F) | | | |
| 9439 | E389 | (G) | | | |
| 9440 | E38A | (H) | | | |
| 9441 | E38B | (I) | | | |
| 9442 | E38C | (J) | | | |
| 9443 | E38D | (K) | | | |
| 9444 | E38E | (L) | | | |
| 9445 | E38F | (M) | | | |
| 9446 | E390 | (N) | | | |
| 9447 | E391 | (O) | | | |
| 9448 | E392 | (P) | | | |
| 9449 | E393 | (Q) | | | |

| | | | | | |
|------|------|-----|------|----|--|
| 9450 | E394 | (R) | | | |
| 9451 | E395 | (S) | | | |
| 9452 | E396 | (T) | | | |
| 9453 | E397 | (U) | | | |
| 9454 | E398 | (V) | | | |
| 9455 | E399 | (W) | | | |
| 9456 | E39A | (X) | | | |
| 9457 | E39B | (Y) | | | |
| 9458 | E39C | (Z) | | | |
| 9459 | | ②⑤ | 3255 | ②⑤ | |
| 9460 | | ②⑥ | 3256 | ②⑥ | |
| 9461 | | ②⑦ | 3257 | ②⑦ | |
| 9462 | | ②⑧ | 3258 | ②⑧ | |
| 9463 | | ②⑨ | 3259 | ②⑨ | |
| 9464 | | ③⑩ | 325a | ③⑩ | |
| 9465 | | ① | 2460 | ① | |
| 9466 | | ② | 2461 | ② | |
| 9467 | | ③ | 2462 | ③ | |
| 9468 | | ④ | 2463 | ④ | |
| 9469 | | ⑤ | 2464 | ⑤ | |
| 9470 | | ⑥ | 2465 | ⑥ | |
| 9471 | | ⑦ | 2466 | ⑦ | |
| 9472 | | ⑧ | 2467 | ⑧ | |
| 9473 | | ⑨ | 2468 | ⑨ | |
| 9474 | | ⑩ | 2469 | ⑩ | |
| 9475 | | ⑪ | 246a | ⑪ | |
| 9476 | | ⑫ | 246b | ⑫ | |
| 9477 | | ⑬ | 246c | ⑬ | |
| 9478 | | ⑭ | 246d | ⑭ | |
| 9479 | | ⑮ | 246e | ⑮ | |
| 9480 | | ⑯ | 246f | ⑯ | |
| 9481 | | ❶ | 2776 | ❶ | |
| 9482 | | ❷ | 2777 | ❷ | |
| 9483 | | ❸ | 2778 | ❸ | |

| | | | | | |
|------|--|---|------|---|--|
| 9484 | | ④ | 2779 | ④ | |
| 9485 | | ⑤ | 277a | ⑤ | |
| 9486 | | ⑥ | 277b | ⑥ | |
| 9487 | | ⑦ | 277c | ⑦ | |
| 9488 | | ⑧ | 277d | ⑧ | |
| 9489 | | ⑨ | 277e | ⑨ | |
| 9490 | | ⑩ | 277f | ⑩ | |
| 9491 | | ⑪ | 24eb | ⑪ | |
| 9492 | | ⑫ | 24ec | ⑫ | |
| 9493 | | ⑳ | 325b | ⑳ | |
