

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

### A.4.17.1 SMS/CBS 7-bit Kannada Alphabet (0x17) base table

| <b>b7</b> | 0         | 0         | 0         | 0        | 1              | 1               | 1              | 1       |
|-----------|-----------|-----------|-----------|----------|----------------|-----------------|----------------|---------|
| <b>b6</b> | 0         | 0         | 1         | 1        | 0              | 0               | 1              | 1       |
| <b>b5</b> | 0         | 1         | 0         | 1        | 0              | 1               | 0              | 1       |
| <b>b4</b> | <b>b3</b> | <b>b2</b> | <b>b1</b> |          | 0              | 1               | 2              | 3       |
| 0         | 0         | 0         | 0         | <b>0</b> | ಂ 0C81         | ಃ 0C90          | <b>SP 0020</b> | ಂ 0030  |
| 0         | 0         | 0         | 1         | <b>1</b> | ಂಂ 0C82        | ಂ 005F          | ತ್ 0CA4        | 1 0031  |
| 0         | 0         | 1         | 0         | <b>2</b> | ಂಃ 0C83        | ಂ 0C92          | ಂ 0C9F         | 2 0032  |
| 0         | 0         | 1         | 1         | <b>3</b> | ಅ 0C85         | ಂ 0C93          | # 0023         | ಂ 0033  |
| 0         | 1         | 0         | 0         | <b>4</b> | ಆ 0C86         | ಂ 0C94          | ಂ 0CA5         | 4 0034  |
| 0         | 1         | 0         | 1         | <b>5</b> | ಇ 0C87         | ಂ 0C95          | ಂ 0CA0         | 5 0035  |
| 0         | 1         | 1         | 0         | <b>6</b> | ಈ 0C88         | ಂ 0C96          | ಂ 0CA6         | 6 0036  |
| 0         | 1         | 1         | 1         | <b>7</b> | ಉ 0C89         | ಗ್ 0C97         | ಡ್ 0CA1        | 7 0037  |
| 1         | 0         | 0         | 0         | <b>8</b> | ಉಂ 0C8A        | ಂ 0C98          | ಡ್ 0CA7        | 8 0038  |
| 1         | 0         | 0         | 1         | <b>9</b> | ಇಂ 0C8B        | ಂ 0C99          | ಡ್ 0CA2        | 9 0039  |
| 1         | 0         | 1         | 0         | <b>A</b> | <b>LF 000A</b> | ಂ 0C9A          | * 002A         | : 003A  |
| 1         | 0         | 1         | 1         | <b>B</b> | ಂ 0C8C         | <b>SS2 ----</b> | + 002B         | ; 003B  |
| 1         | 1         | 0         | 0         | <b>C</b> |                | ಂ 0C9B          | , 002C         | ಂ 0CA3  |
| 1         | 1         | 0         | 1         | <b>D</b> | <b>CR 000D</b> | ಂ 0C9C          | ನ್ 0CA8        | ಪ್ 0CAA |
| 1         | 1         | 1         | 0         | <b>E</b> | ಂ 0C8E         | ರ್ಯಂ 0C9D       | . 002E         | ಂ 0CAB  |
| 1         | 1         | 1         | 1         | <b>F</b> | ಂ 0C8F         | ಂ 0C9E          | / 002F         | ? 003F  |

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 (see 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).

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

|           |           |           |           |           |             |            |                      |             |           |
|-----------|-----------|-----------|-----------|-----------|-------------|------------|----------------------|-------------|-----------|
|           | <b>b7</b> | 0         | 0         | 0         | 0           | 1          | 1                    | 1           | 1         |
|           | <b>b6</b> | 0         | 0         | 1         | 1           | 0          | 0                    | 1           | 1         |
|           | <b>b5</b> | 0         | 1         | 0         | 1           | 0          | 1                    | 0           | 1         |
| <b>b4</b> | <b>b3</b> | <b>b2</b> | <b>b1</b> | <b>1B</b> | 0           | 1          | 2                    | 3           | 4         |
| 0         | 0         | 0         | 0         | 0         | @<br>0040   | <<br>003C  | ಃ<br>0CEA            | ಇರ್<br>0CE0 | <br>007C  |
| 0         | 0         | 0         | 1         | 1         | £<br>00A3   | =<br>003D  | ಂ<br>0CEB            | ಇ<br>0CE1   | A<br>0041 |
| 0         | 0         | 1         | 0         | 2         | \$<br>0024  | ><br>003E  | ಂ<br>0CEC            | ಂಂ<br>0CC4  | B<br>0042 |
| 0         | 0         | 1         | 1         | 3         | ¥<br>00A5   | ₹<br>20B9  | ಂ<br>0CED            | ಂ<br>0CE3   | C<br>0043 |
| 0         | 1         | 0         | 0         | 4         | §<br>00A7   | ^<br>005E  | ಂ<br>0CEE            | D<br>0044   | T<br>0054 |
| 0         | 1         | 0         | 1         | 5         | "<br>0022   | ು<br>0CEF  |                      | E<br>0045   | U<br>0055 |
| 0         | 1         | 1         | 0         | 6         | €<br>20AC   | ೦<br>0C84  |                      | F<br>0046   | V<br>0056 |
| 0         | 1         | 1         | 1         | 7         | %<br>0025   | (<br>0028  | ು<br>0CF1            | G<br>0047   | W<br>0057 |
| 1         | 0         | 0         | 0         | 8         | &<br>0026   | )<br>0029  | {<br>007B            | H<br>0048   | X<br>0058 |
| 1         | 0         | 0         | 1         | 9         | '<br>0027   | <br>0964   | }<br>007D            | I<br>0049   | Y<br>0059 |
| 1         | 0         | 1         | 0         | A         | FF<br>000C  | <br>0965   | ಂಂ<br>0CE7,2044,0CEA | ≈<br>2248   | J<br>004A |
| 1         | 0         | 1         | 1         | B         | -<br>2212   | ಂಂ<br>---- | ಂಂ<br>0CE7,2044,0CE8 | ≠<br>2260   | Z<br>005A |
| 1         | 1         | 0         | 0         | C         | !<br>0021   | ಂ<br>0CE6  | ಂಂ<br>0CE9,2044,0CEA | [<br>005B   | ÷<br>00F7 |
| 1         | 1         | 0         | 1         | D         | CSI<br>009B | ಂ<br>0CE7  | ≤<br>2A7D            | ~<br>007E   | M<br>004D |
| 1         | 1         | 1         | 0         | E         | -<br>002D   | ಂ<br>0CE8  | ≥<br>2A7E            | ]<br>005D   | N<br>004E |
| 1         | 1         | 1         | 1         | F         |             | ಂ<br>0CE9  | \<br>005C            | .           | O<br>004F |

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 it 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.