IEEE P1003.2 Draft 11.2 – September 1991

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<j=>    /d032/d032/d040/d217    CYRILLIC SMALL LETTER SHORT I
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#                               AND PSILI
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<n4>    /d032/d032/d046/d075    BOPOMOFO LETTER N
<l4>    /d032/d032/d046/d076    BOPOMOFO LETTER L
<g4>    /d032/d032/d046/d077    BOPOMOFO LETTER G
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<q4>    /d032/d032/d046/d081    BOPOMOFO LETTER Q
<x4>    /d032/d032/d046/d082    BOPOMOFO LETTER X
<zh>    /d032/d032/d046/d083    BOPOMOFO LETTER ZH
<ch>    /d032/d032/d046/d084    BOPOMOFO LETTER CH
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<05>    /d032/d032/d047/d123    HIRAGANA-KATAKANA SEMI-VOICED SOUND MARK
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<Il>    /d032/d032/d060/d049    INTEGRAL SIGN LOWER PART
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<CR>    /d013/d128/d128/d128    CARRIAGE RETURN (CR)                        1
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<CN>    /d024/d128/d128/d128    CANCEL (CAN)                                          1
<EM>    /d025/d128/d128/d128    END OF MEDIUM (EM)                                    1
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<HS>    /d136/d128/d128/d128    CHARACTER TABULATION SET (HTS)                        1
<HJ>    /d137/d128/d128/d128    CHARACTER TABULATION WITH JUSTIFICATION (HTJ)         1
<VS>    /d138/d128/d128/d128    LINE TABULATION SET (VTS)                             1
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<PU>    /d140/d128/d128/d128    PARTIAL LINE BACKWARD (PLU)                           1
<RI>    /d141/d128/d128/d128    REVERSE LINE FEED (RI)                                1
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<DC>    /d144/d128/d128/d128    DEVICE CONTROL STRING (DCS)                           1
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<CC>    /d148/d128/d128/d128    CANCEL CHARACTER (CCH)                                1
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<CI>    /d155/d128/d128/d128    CONTROL SEQUENCE INTRODUCER (CSI)                     1
<ST>    /d156/d128/d128/d128    STRING TERMINATOR (ST)                                1
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<AC>    /d159/d128/d128/d128    APPLICATION PROGRAM COMMAND (APC)                     1
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<"(>    /d032/d032/d052/d038    NON-SPACING BREVE (ISO IR 70 198)
<".>    /d032/d032/d052/d039    NON-SPACING DOT ABOVE (ISO IR 70 199)
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<"//>   /d032/d032/d052/d041    NON-SPACING SOLIDUS (ISO IR 99 201)
<"0>    /d032/d032/d052/d042    NON-SPACING RING ABOVE (ISO IR 70 202)
<",>    /d032/d032/d052/d043    NON-SPACING CEDILLA (ISO IR 70 203)
<"_>    /d032/d032/d052/d044    NON-SPACING UNDERLINE (ISO IR 99 216)
<"">    /d032/d032/d052/d045    NON-SPACING DOUBLE ACCUTE ACCENT (ISO IR 70 205)
<"<>    /d032/d032/d052/d046    NON-SPACING CARON (ISO IR 70 207)
<";>    /d032/d032/d052/d047    NON-SPACING OGONEK (ISO IR 53 208)
<"=>    /d032/d032/d052/d048    NON-SPACING DOUBLE UNDERLINE (ISO IR 53 217)
<"1>    /d032/d032/d052/d049    NON-SPACING DIAERESIS WITH ACCENT
#                               (ISO IR 70 192)
<"2>    /d032/d032/d052/d050    NON-SPACING UMLAUT (ISO 5426 201)
<Fd>    /d032/d032/d052/d051    FILLED FORWARD DIAGONAL
#                               (ANSI X3.110-1983 218)
<Bd>    /d032/d032/d052/d052    FILLED BACKWARD DIAGONAL
#                               (ANSI X3.110-1983 219)
<Fl>    /d032/d032/d052/d053    Dutch guilder sign (IBM CP 437 159)
<Li>    /d032/d032/d052/d054    Italian Lira sign (HP ROMAN 8 175)
<//f>   /d032/d032/d052/d055    VULGAR FRACTION BAR (MacIntosh 218)
<0s>    /d032/d032/d052/d056    SUBSCRIPT ZERO (ISO IR 50 096)
<1s>    /d032/d032/d052/d057    SUBSCRIPT ONE (ISO IR 50 097)
<2s>    /d032/d032/d052/d058    SUBSCRIPT TWO (ISO IR 50 098)
<3s>    /d032/d032/d052/d059    SUBSCRIPT THREE (ISO IR 50 099)
<4s>    /d032/d032/d052/d060    SUBSCRIPT FOUR (ISO IR 50 100)
<5s>    /d032/d032/d052/d061    SUBSCRIPT FIVE (ISO IR 50 101)
<6s>    /d032/d032/d052/d062    SUBSCRIPT SIX (ISO IR 50 102)
<7s>    /d032/d032/d052/d063    SUBSCRIPT SEVEN (ISO IR 50 103)
<8s>    /d032/d032/d052/d064    SUBSCRIPT EIGHT (ISO IR 50 104)
<9s>    /d032/d032/d052/d065    SUBSCRIPT NINE (ISO IR 50 105)
<0S>    /d032/d032/d052/d066    SUPERSCRIPT ZERO (ISO IR 50 112)
<4S>    /d032/d032/d052/d067    SUPERSCRIPT FOUR (ISO IR 50 116)
<5S>    /d032/d032/d052/d068    SUPERSCRIPT FIVE (ISO IR 50 117)
<6S>    /d032/d032/d052/d069    SUPERSCRIPT SIX (ISO IR 50 118)
<7S>    /d032/d032/d052/d070    SUPERSCRIPT SEVEN (ISO IR 50 119)
<8S>    /d032/d032/d052/d071    SUPERSCRIPT EIGHT (ISO IR 50 120)
<9S>    /d032/d032/d052/d072    SUPERSCRIPT NINE (ISO IR 50 121)
<+S>    /d032/d032/d052/d073    SUPERSCRIPT PLUS (ISO IR 50 106)
<-S>    /d032/d032/d052/d074    SUPERSCRIPT MINUS (ISO IR 50 107)
<1h>    /d032/d032/d052/d075    ABSTRACT SYMBOL H ONE (HOOK)
#                               (JIS C 6229-1984 060)
<2h>    /d032/d032/d052/d076    ABSTRACT SYMBOL H TWO (FORK)
#                               (JIS C 6229-1984 093)
<3h>    /d032/d032/d052/d077    ABSTRACT SYMBOL H THREE (CHAIR)
#                               (JIS C 6229-1984 062)
<4h>    /d032/d032/d052/d078    ABSTRACT SYMBOL H FOUR (LONG VERTICAL MARK)
#                               (JIS C 6229-1984 125)
<1j>    /d032/d032/d052/d079    SYMBOL ONE (ISO 2033-1983 058)
<2j>    /d032/d032/d052/d080    SYMBOL TWO (ISO 2033-1983 059)
<3j>    /d032/d032/d052/d081    SYMBOL THREE (ISO 2033-1983 060)
<4j>    /d032/d032/d052/d082    SYMBOL FOUR (ISO 2033-1983 061)
<UA>    /d032/d032/d052/d083    Unit space A (ISO IR 8-1 064)
<UB>    /d032/d032/d052/d084    Unit space B (ISO IR 8-1 096)
<yf>    /d032/d032/d052/d085    ARABIC LETTER YEH FINAL (CODAR U 090)
<yr>    /d032/d032/d052/d086    OLD NORSE YR (DIN 31624 251)
<.6>    /d032/d032/d052/d087    KATAKANA FULL STOP (JIS C 6220 033)
<<6>    /d032/d032/d052/d088    KATAKANA OPENING BRACKET (JIS C 6220 034)
</>6>   /d032/d032/d052/d089    KATAKANA CLOSING BRACKET (JIS C 6220 035)
<,6>    /d032/d032/d052/d090    KATAKANA COMMA (JIS C 6220 036)
```

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```
<&6>    /d032/d032/d052/d091    KATAKANA CONJUNCTION SYMBOL (JIS C 6220 037)
<(S>    /d032/d032/d052/d092    LEFT PARENTHESIS SUPERSCRIPT
#                               (CSA Z243.4-1985-gr 168)
<)S>    /d032/d032/d052/d093    RIGHT PARENTHESIS SUPERSCRIPT
#                               (CSA Z243.4-1985-gr 169)
END CHARMAP
```

F.5.2 `ISO_8859-1` Charmap

```
<escape_char> /
<mb_cur_max> 1
CHARMAP
<NUL>                   /d000 NULL (NUL)                                    1
<SOH>                   /d001 START OF HEADING (SOH)
<STX>                   /d002 START OF TEXT (STX)
<ETX>                   /d003 END OF TEXT (ETX)
<EOT>                   /d004 END OF TRANSMISSION (EOT)
<ENQ>                   /d005 ENQUIRY (ENQ)
<ACK>                   /d006 ACKNOWLEDGE (ACK)
<alert>                 /d007 BELL (BEL)
<BEL>                   /d007 BELL (BEL)
<backspace>             /d008 BACKSPACE (BS)
<tab>                   /d009 CHARACTER TABULATION (HT)
<newline>               /d010 LINE FEED (LF)
<vertical-tab>          /d011 LINE TABULATION (VT)
<form-feed>             /d012 FORM FEED (FF)
<carriage-return>       /d013 CARRIAGE RETURN (CR)
<DLE>                   /d016 DATALINK ESCAPE (DLE)
<DC1>                   /d017 DEVICE CONTROL ONE (DC1)
<DC2>                   /d018 DEVICE CONTROL TWO (DC2)
<DC3>                   /d019 DEVICE CONTROL THREE (DC3)
<DC4>                   /d020 DEVICE CONTROL FOUR (DC4)
<NAK>                   /d021 NEGATIVE ACKNOWLEDGE (NAK)
<SYN>                   /d022 SYNCHRONOUS IDLE (SYN)
<ETB>                   /d023 END OF TRANSMISSION BLOCK (ETB)
<CAN>                   /d024 CANCEL (CAN)
<SUB>                   /d026 SUBSTITUTE (SUB)
<ESC>                   /d027 ESCAPE (ESC)
<IS4>                   /d028 FILE SEPARATOR (IS4)
<IS3>                   /d029 GROUP SEPARATOR (IS3)
<intro>                 /d029 GROUP SEPARATOR (IS3)
<IS2>                   /d030 RECORD SEPARATOR (IS2)
<IS1>                   /d031 UNIT SEPARATOR (IS1)
<DEL>                   /d127 DELETE (DEL)                                  1
<space>                 /d032   SPACE
<exclamation-mark>      /d033   EXCLAMATION MARK
<quotation-mark>        /d034   QUOTATION MARK
<number-sign>           /d035   NUMBER SIGN
<dollar-sign>           /d036   DOLLAR SIGN
<percent-sign>          /d037   PERCENT SIGN
<ampersand>             /d038   AMPERSAND
<apostrophe>            /d039   APOSTROPHE
<left-parenthesis>      /d040   LEFT PARENTHESIS
<right-parenthesis>     /d041   RIGHT PARENTHESIS
<asterisk>              /d042   ASTERISK
<plus-sign>             /d043   PLUS SIGN
```

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```
<comma>                 /d044   COMMA
<hyphen>                /d045   HYPHEN-MINUS
<hyphen-minus>          /d045   HYPHEN-MINUS
<period>                /d046   FULL STOP
<full-stop>             /d046   FULL STOP
<slash>                 /d047   SOLIDUS
<solidus>               /d047   SOLIDUS
<zero>                  /d048   DIGIT ZERO
<one>                   /d049   DIGIT ONE
<two>                   /d050   DIGIT TWO
<three>                 /d051   DIGIT THREE
<four>                  /d052   DIGIT FOUR
<five>                  /d053   DIGIT FIVE
<six>                   /d054   DIGIT SIX
<seven>                 /d055   DIGIT SEVEN
<eight>                 /d056   DIGIT EIGHT
<nine>                  /d057   DIGIT NINE
<colon>                 /d058   COLON
<semicolon>             /d059   SEMICOLON
<less-than-sign>        /d060   LESS-THAN SIGN
<equals-sign>           /d061   EQUALS SIGN
<greater-than-sign>     /d062   GREATER-THAN SIGN
<question-mark>         /d063   QUESTION MARK
<commercial-at>         /d064   COMMERCIAL AT
<left-square-bracket>   /d091   LEFT SQUARE BRACKET
<reverse-solidus>       /d092   REVERSE SOLIDUS
<backslash>             /d092   REVERSE SOLIDUS
<right-square-bracket>  /d093   RIGHT SQUARE BRACKET
<circumflex-accent>     /d094   CIRCUMFLEX ACCENT
<low-line>              /d095   LOW LINE
<underscore>            /d095   LOW LINE
<grave-accent>          /d096   GRAVE ACCENT
<left-curly-bracket>    /d123   LEFT CURLY BRACKET
<vertical-line>         /d124   VERTICAL LINE
<right-curly-bracket>   /d125   RIGHT CURLY BRACKET
<tilde>                 /d126   TILDE
<SP>    /d032   SPACE
<!>     /d033   EXCLAMATION MARK
<">     /d034   QUOTATION MARK
<Nb>    /d035   NUMBER SIGN
<DO>    /d036   DOLLAR SIGN
<%>     /d037   PERCENT SIGN
<&>     /d038   AMPERSAND
<'>     /d039   APOSTROPHE
<(>     /d040   LEFT PARENTHESIS
<)>     /d041   RIGHT PARENTHESIS
<*>     /d042   ASTERISK
<+>     /d043   PLUS SIGN
<,>     /d044   COMMA
<->     /d045   HYPHEN-MINUS
<.>     /d046   FULL STOP
<//>    /d047   SOLIDUS
<0>     /d048   DIGIT ZERO
<1>     /d049   DIGIT ONE
<2>     /d050   DIGIT TWO
<3>     /d051   DIGIT THREE
<4>     /d052   DIGIT FOUR
```

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```
<5>     /d053   DIGIT FIVE
<6>     /d054   DIGIT SIX
<7>     /d055   DIGIT SEVEN
<8>     /d056   DIGIT EIGHT
<9>     /d057   DIGIT NINE
<:>     /d058   COLON
<;>     /d059   SEMICOLON
<<>     /d060   LESS-THAN SIGN
<=>     /d061   EQUALS SIGN
</>>    /d062   GREATER-THAN SIGN
<?>     /d063   QUESTION MARK
<At>    /d064   COMMERCIAL AT
<A>     /d065   LATIN CAPITAL LETTER A
<B>     /d066   LATIN CAPITAL LETTER B
<C>     /d067   LATIN CAPITAL LETTER C
<D>     /d068   LATIN CAPITAL LETTER D
<E>     /d069   LATIN CAPITAL LETTER E
<F>     /d070   LATIN CAPITAL LETTER F
<G>     /d071   LATIN CAPITAL LETTER G
<H>     /d072   LATIN CAPITAL LETTER H
<I>     /d073   LATIN CAPITAL LETTER I
<J>     /d074   LATIN CAPITAL LETTER J
<K>     /d075   LATIN CAPITAL LETTER K
<L>     /d076   LATIN CAPITAL LETTER L
<M>     /d077   LATIN CAPITAL LETTER M
<N>     /d078   LATIN CAPITAL LETTER N
<O>     /d079   LATIN CAPITAL LETTER O
<P>     /d080   LATIN CAPITAL LETTER P
<Q>     /d081   LATIN CAPITAL LETTER Q
<R>     /d082   LATIN CAPITAL LETTER R
<S>     /d083   LATIN CAPITAL LETTER S
<T>     /d084   LATIN CAPITAL LETTER T
<U>     /d085   LATIN CAPITAL LETTER U
<V>     /d086   LATIN CAPITAL LETTER V
<W>     /d087   LATIN CAPITAL LETTER W
<X>     /d088   LATIN CAPITAL LETTER X
<Y>     /d089   LATIN CAPITAL LETTER Y
<Z>     /d090   LATIN CAPITAL LETTER Z
<<(>    /d091   LEFT SQUARE BRACKET
<////>  /d092   REVERSE SOLIDUS
<)/>>   /d093   RIGHT SQUARE BRACKET
<'/>>   /d094   CIRCUMFLEX ACCENT
<_>     /d095   LOW LINE
<'!>    /d096   GRAVE ACCENT
<a>     /d097   LATIN SMALL LETTER A
<b>     /d098   LATIN SMALL LETTER B
<c>     /d099   LATIN SMALL LETTER C
<d>     /d100   LATIN SMALL LETTER D
<e>     /d101   LATIN SMALL LETTER E
<f>     /d102   LATIN SMALL LETTER F
<g>     /d103   LATIN SMALL LETTER G
<h>     /d104   LATIN SMALL LETTER H
<i>     /d105   LATIN SMALL LETTER I
<j>     /d106   LATIN SMALL LETTER J
<k>     /d107   LATIN SMALL LETTER K
<l>     /d108   LATIN SMALL LETTER L
<m>     /d109   LATIN SMALL LETTER M
```

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```
<n>     /d110   LATIN SMALL LETTER N
<o>     /d111   LATIN SMALL LETTER O
<p>     /d112   LATIN SMALL LETTER P
<q>     /d113   LATIN SMALL LETTER Q
<r>     /d114   LATIN SMALL LETTER R
<s>     /d115   LATIN SMALL LETTER S
<t>     /d116   LATIN SMALL LETTER T
<u>     /d117   LATIN SMALL LETTER U
<v>     /d118   LATIN SMALL LETTER V
<w>     /d119   LATIN SMALL LETTER W
<x>     /d120   LATIN SMALL LETTER X
<y>     /d121   LATIN SMALL LETTER Y
<z>     /d122   LATIN SMALL LETTER Z
<(!>    /d123   LEFT CURLY BRACKET
<!!>    /d124   VERTICAL LINE
<!)>    /d125   RIGHT CURLY BRACKET
<'?>    /d126   TILDE
<NS>    /d160   NO-BREAK SPACE
<!I>    /d161   INVERTED EXCLAMATION MARK
<Ct>    /d162   CENT SIGN
<Pd>    /d163   POUND SIGN
<Cu>    /d164   CURRENCY SIGN
<Ye>    /d165   YEN SIGN
<BB>    /d166   BROKEN BAR
<SE>    /d167   SECTION SIGN
<':>    /d168   DIAERESIS
<Co>    /d169   COPYRIGHT SIGN
<-a>    /d170   FEMININE ORDINAL INDICATOR
<<<>    /d171   LEFT POINTING DOUBLE ANGLE QUOTATION MARK
<NO>    /d172   NOT SIGN
<-->    /d173   SOFT HYPHEN
<Rg>    /d174   REGISTERED SIGN
<'->    /d175   MACRON
<DG>    /d176   DEGREE SIGN
<+->    /d177   PLUS-MINUS SIGN
<2S>    /d178   SUPERSCRIPT TWO
<3S>    /d179   SUPERSCRIPT THREE
<''>    /d180   ACUTE ACCENT
<My>    /d181   MICRO SIGN
<PI>    /d182   PILCROW SIGN
<.M>    /d183   MIDDLE DOT
<',>    /d184   CEDILLA
<1S>    /d185   SUPERSCRIPT ONE
<-o>    /d186   MASCULINE ORDINAL INDICATOR
</>>>>  /d187   RIGHT POINTING DOUBLE ANGLE QUOTATION MARK                1
<14>    /d188   VULGAR FRACTION ONE QUARTER
<12>    /d189   VULGAR FRACTION ONE HALF
<34>    /d190   VULGAR FRACTION THREE QUARTERS
<?I>    /d191   INVERTED QUESTION MARK
<A!>    /d192   LATIN CAPITAL LETTER A WITH GRAVE
<A'>    /d193   LATIN CAPITAL LETTER A WITH ACUTE
<A/>>   /d194   LATIN CAPITAL LETTER A WITH CIRCUMFLEX
<A?>    /d195   LATIN CAPITAL LETTER A WITH TILDE
<A:>    /d196   LATIN CAPITAL LETTER A WITH DIAERESIS
<AA>    /d197   LATIN CAPITAL LETTER A WITH RING ABOVE
<AE>    /d198   LATIN CAPITAL LETTER AE
<C,>    /d199   LATIN CAPITAL LETTER C WITH CEDILLA
```

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```
3712  <E!>    /d200   LATIN CAPITAL LETTER E WITH GRAVE
3713  <E'>    /d201   LATIN CAPITAL LETTER E WITH ACUTE
3714  <E/>>   /d202   LATIN CAPITAL LETTER E WITH CIRCUMFLEX
3715  <E:>    /d203   LATIN CAPITAL LETTER E WITH DIAERESIS
3716  <I!>    /d204   LATIN CAPITAL LETTER I WITH GRAVE
3717  <I'>    /d205   LATIN CAPITAL LETTER I WITH ACUTE
3718  <I/>>   /d206   LATIN CAPITAL LETTER I WITH CIRCUMFLEX
3719  <I:>    /d207   LATIN CAPITAL LETTER I WITH DIAERESIS
3720  <D->    /d208   LATIN CAPITAL LETTER ETH (Icelandic)
3721  <N?>    /d209   LATIN CAPITAL LETTER N WITH TILDE
3722  <O!>    /d210   LATIN CAPITAL LETTER O WITH GRAVE
3723  <O'>    /d211   LATIN CAPITAL LETTER O WITH ACUTE
3724  <O/>>   /d212   LATIN CAPITAL LETTER O WITH CIRCUMFLEX
3725  <O?>    /d213   LATIN CAPITAL LETTER O WITH TILDE
3726  <O:>    /d214   LATIN CAPITAL LETTER O WITH DIAERESIS
3727  <*X>    /d215   MULTIPLICATION SIGN
3728  <O//>   /d216   LATIN CAPITAL LETTER O WITH STROKE
3729  <U!>    /d217   LATIN CAPITAL LETTER U WITH GRAVE
3730  <U'>    /d218   LATIN CAPITAL LETTER U WITH ACUTE
3731  <U/>>   /d219   LATIN CAPITAL LETTER U WITH CIRCUMFLEX
3732  <U:>    /d220   LATIN CAPITAL LETTER U WITH DIAERESIS
3733  <Y'>    /d221   LATIN CAPITAL LETTER Y WITH ACUTE
3734  <TH>    /d222   LATIN CAPITAL LETTER THORN (Icelandic)
3735  <ss>    /d223   LATIN SMALL LETTER SHARP S (German)
3736  <a!>    /d224   LATIN SMALL LETTER A WITH GRAVE
3737  <a'>    /d225   LATIN SMALL LETTER A WITH ACUTE
3738  <a/>>   /d226   LATIN SMALL LETTER A WITH CIRCUMFLEX
3739  <a?>    /d227   LATIN SMALL LETTER A WITH TILDE
3740  <a:>    /d228   LATIN SMALL LETTER A WITH DIAERESIS
3741  <aa>    /d229   LATIN SMALL LETTER A WITH RING ABOVE
3742  <ae>    /d230   LATIN SMALL LETTER AE
3743  <c,>    /d231   LATIN SMALL LETTER C WITH CEDILLA
3744  <e!>    /d232   LATIN SMALL LETTER E WITH GRAVE
3745  <e'>    /d233   LATIN SMALL LETTER E WITH ACUTE
3746  <e/>>   /d234   LATIN SMALL LETTER E WITH CIRCUMFLEX
3747  <e:>    /d235   LATIN SMALL LETTER E WITH DIAERESIS
3748  <i!>    /d236   LATIN SMALL LETTER I WITH GRAVE
3749  <i'>    /d237   LATIN SMALL LETTER I WITH ACUTE
3750  <i/>>   /d238   LATIN SMALL LETTER I WITH CIRCUMFLEX
3751  <i:>    /d239   LATIN SMALL LETTER I WITH DIAERESIS
3752  <d->    /d240   LATIN SMALL LETTER ETH (Icelandic)
3753  <n?>    /d241   LATIN SMALL LETTER N WITH TILDE
3754  <o!>    /d242   LATIN SMALL LETTER O WITH GRAVE
3755  <o'>    /d243   LATIN SMALL LETTER O WITH ACUTE
3756  <o/>>   /d244   LATIN SMALL LETTER O WITH CIRCUMFLEX
3757  <o?>    /d245   LATIN SMALL LETTER O WITH TILDE
3758  <o:>    /d246   LATIN SMALL LETTER O WITH DIAERESIS
3759  <-:>    /d247   DIVISION SIGN
3760  <o//>   /d248   LATIN SMALL LETTER O WITH STROKE
3761  <u!>    /d249   LATIN SMALL LETTER U WITH GRAVE
3762  <u'>    /d250   LATIN SMALL LETTER U WITH ACUTE
3763  <u/>>   /d251   LATIN SMALL LETTER U WITH CIRCUMFLEX
3764  <u:>    /d252   LATIN SMALL LETTER U WITH DIAERESIS
3765  <y'>    /d253   LATIN SMALL LETTER Y WITH ACUTE
3766  <th>    /d254   LATIN SMALL LETTER THORN (Icelandic)
3767  <y:>    /d255   LATIN SMALL LETTER Y WITH DIAERESIS
3768  <NU>    /d000   NULL (NUL)
```

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```
<SH>    /d001   START OF HEADING (SOH)
<SX>    /d002   START OF TEXT (STX)
<EX>    /d003   END OF TEXT (ETX)
<ET>    /d004   END OF TRANSMISSION (EOT)
<EQ>    /d005   ENQUIRY (ENQ)
<AK>    /d006   ACKNOWLEDGE (ACK)
<BL>    /d007   BELL (BEL)
<BS>    /d008   BACKSPACE (BS)
<HT>    /d009   CHARACTER TABULATION (HT)
<LF>    /d010   LINE FEED (LF)
<VT>    /d011   LINE TABULATION (VT)
<FF>    /d012   FORM FEED (FF)
<CR>    /d013   CARRIAGE RETURN (CR)
<SO>    /d014   SHIFT OUT (SO)
<SI>    /d015   SHIFT IN (SI)
<DL>    /d016   DATALINK ESCAPE (DLE)
<D1>    /d017   DEVICE CONTROL ONE (DC1)
<D2>    /d018   DEVICE CONTROL TWO (DC2)
<D3>    /d019   DEVICE CONTROL THREE (DC3)
<D4>    /d020   DEVICE CONTROL FOUR (DC4)
<NK>    /d021   NEGATIVE ACKNOWLEDGE (NAK)
<SY>    /d022   SYNCHRONOUS IDLE (SYN)
<EB>    /d023   END OF TRANSMISSION BLOCK (ETB)
<CN>    /d024   CANCEL (CAN)
<EM>    /d025   END OF MEDIUM (EM)
<SB>    /d026   SUBSTITUTE (SUB)
<EC>    /d027   ESCAPE (ESC)
<FS>    /d028   FILE SEPARATOR (IS4)
<GS>    /d029   GROUP SEPARATOR (IS3)
<RS>    /d030   RECORD SEPARATOR (IS2)
<US>    /d031   UNIT SEPARATOR (IS1)
<DT>    /d127   DELETE (DEL)
<PA>    /d128   PADDING CHARACTER (PAD)
<HO>    /d129   HIGH OCTET PRESET (HOP)
<BH>    /d130   BREAK PERMITTED HERE (BPH)
<NH>    /d131   NO BREAK HERE (NBH)
<IN>    /d132   INDEX (IND)
<NL>    /d133   NEXT LINE (NEL)
<SA>    /d134   START OF SELECTED AREA (SSA)
<ES>    /d135   END OF SELECTED AREA (ESA)
<HS>    /d136   CHARACTER TABULATION SET (HTS)
<HJ>    /d137   CHARACTER TABULATION WITH JUSTIFICATION (HTJ)
<VS>    /d138   LINE TABULATION SET (VTS)
<PD>    /d139   PARTIAL LINE FORWARD (PLD)
<PU>    /d140   PARTIAL LINE BACKWARD (PLU)
<RI>    /d141   REVERSE LINE FEED (RI)
<S2>    /d142   SINGLE-SHIFT TWO (SS2)
<S3>    /d143   SINGLE-SHIFT THREE (SS3)
<DC>    /d144   DEVICE CONTROL STRING (DCS)
<P1>    /d145   PRIVATE USE ONE (PU1)
<P2>    /d146   PRIVATE USE TWO (PU2)
<TS>    /d147   SET TRANSMIT STATE (STS)
<CC>    /d148   CANCEL CHARACTER (CCH)
<MW>    /d149   MESSAGE WAITING (MW)
<SG>    /d150   START OF GUARDED AREA (SPA)
<EG>    /d151   END OF GUARDED AREA (EPA)
<SS>    /d152   START OF STRING (SOS)
```

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```
<GC>    /d153   SINGLE GRAPHIC CHARACTER INTRODUCER (SGCI)
<SC>    /d154   SINGLE CHARACTER INTRODUCER (SCI)
<CI>    /d155   CONTROL SEQUENCE INTRODUCER (CSI)
<ST>    /d156   STRING TERMINATOR (ST)
<OC>    /d157   OPERATING SYSTEM COMMAND (OSC)
<PM>    /d158   PRIVACY MESSAGE (PM)
<AC>    /d159   APPLICATION PROGRAM COMMAND (APC)
END CHARMAP
```

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Annex G
(inform ative)

Balloting Instructions

This annex will not appear in the final standard. It is included in the draft to provide instructions for balloting that cannot be separated easily from the main document, as a cover letter might.

If you have received a copy of this draft before October 1991 it is important that you read this annex, whether you are an official member of the P1003.2 Balloting Group or not; comments on this draft are welcomed from all interested technical experts. **Your ballot is due to the IEEE office by 21 October 1991. This is not the date to postmark it—it is the date of receipt.**

Summary of Draft 11.2 Instructions

This is the fifth ‘‘recirculation draft’’ of P1003.2. The recirculation procedure is described in this annex. For this recirculation, we are accepting objections against any normative changes that occurred from Draft 11.1 to Draft 11.2 and the contents of the Unresolved Objections List, provided as a separate document from the draft.

This is the first ballot in which the draft is available for online review; see the Editor’s Notes for details on accessing this information.

Send your ballot and/or comments to:

IEEE Standards Office
Computer Society Secretariat
ATTN: P1003.2 Ballot (Anna Kaczmarek)
P.O. Box 1331
445 Hoes Lane
Piscataway, NJ 08855-1331

It would also be very helpful if you sent us your ballot in machine-readable form. Your official ballot must be returned via mail to the IEEE office; if we receive only the e-mail or diskette version, that version will not count as an official document. However, the online version would be a great help to ballot resolution. We can accept e-mail to the following address:

`hlj@Posix.COM` or **`uunet!posix!hlj`**

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or IBM PC 3.5-inch/720K diskette (plain file) or Macintosh 3.5-inch diskette (plain text file [preferred], Word, or Write) or Sun-style QIC-24 cartridge tapes to:

Hal Jespersen, Chair P1003.2
POSIX Software Group
447 Lakeview Way
Redwood City, CA 94062

Some degree of judgment is required in determining what actually changed in Draft 11.2. Use the diff marks as a guide, but they will frequently mark text that has no real normative changes. Please limit your objections to the actual changes: for example, if we change the `foo -x` option to `-y`, don't use that as an opportunity to object that we have no `-z` option. Your objection should only address why the `x` to `y` change is a problem. (We have been balloting for a long time now and it is time to tighten the consensus and finish this up.) If you find problems unrelated to changes, submit them as comments and they will be considered seriously in that category. Thanks for your cooperation on this.

Background on Balloting Procedures

The Balloting Group consists of over 160 technical experts who are members of the IEEE or the IEEE Computer Society; enrollment of individuals in this group has already been closed. There are also a few ''parties of interest'' who are not members of the IEEE or the Computer Society. Members of the Balloting Group are required to return ballots within the balloting period. Other individuals who may happen to read this draft are also encouraged to submit comments concerning this draft. The only real difference between members of the Balloting Group and other individuals submitting ballots is that *affirmative* ballots are only counted from Balloting Group members who are also IEEE or Computer Society members. (There are minimum requirements for the percentages of ballots returned and for affirmative ballots out of that group.) However, objections and nonbinding comments must be resolved if received from any individual, as follows:

(1) Some objections or comments will result in changes to the standard. This will occur either by the publication of a list of changes or by the republication of an entire draft. The objections/comments are reviewed by a team from the P1003.2 working group, consisting of the Chair, Vice Chair, the Chair of the TCOS Standards Subcommittee, and one or more Technical Reviewers. The Technical Reviewers each have subject matter expertise in a particular area and are responsible for objection resolution in one or more sections.

(2) Other objections/comments will not result in changes.

   (a) Some are misunderstandings or cover portions of the document (front matter, informative annexes, rationale, editorial matters, etc.) that are not subject to balloting.

   (b) Others are so vaguely worded that it is impossible to determine what changes would satisfy the objector. These are referred to as *Unresponsive* . (The Technical Reviewers will make a reasonable

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