Network Working Group Request for Comments: 1489 A. Chernov RELCOM Development Team July 1993

Registration of a Cyrillic Character Set

Status of this Memo

This memo provides information for the Internet community. It does not specify an Internet standard. Distribution of this memo is unlimited.

Introduction

Though the proposed character set "koi8-r" is not currently an international standard, there is very large user community (including Relcom Net) supporting it. Factually, "koi8-r" is de-facto standard for Unix and global network applications in the former Soviet Union. This is the reason the Society of Unix User Groups (SUUG) believes "koi8-r" should be registered.

MIME character set name: koi8-r

Published specification: This standard is unpublished, but based on several published standards: GOST 19768-74 (old-koi8), ISO 6937/8 (not registered) and variations: INIS-cyrillic, ISO 5427.

C language coding table from koi8-r to Unicode (ISO 10646) for the upper half of the code table (the lower half of the table is fully coinciding with ASCII character set)

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0x042c,0x042b,0x0417,0x0428,0x042d,0x0429,0x0427,0x042a
};
The description of all characters from the upper half of the table
in compliance with ISO 10646 (Unicode)
<hex-code> <description>
    FORMS LIGHT HORIZONTAL
81
    FORMS LIGHT VERTICAL
82
    FORMS LIGHT DOWN AND RIGHT
    FORMS LIGHT DOWN AND LEFT
FORMS LIGHT UP AND RIGHT
FORMS LIGHT UP AND LEFT
83
84
85
    FORMS LIGHT VERTICAL AND RIGHT
86
    FORMS LIGHT VERTICAL AND LEFT
87
88
    FORMS LIGHT DOWN AND HORIZONTAL
    FORMS LIGHT UP AND HORIZONTAL FORMS LIGHT VERTICAL AND HORIZONTAL
89
A8
8B
    UPPER HALF BLOCK
    LOWER HALF BLOCK
8C
8D
    FULL BLOCK
8E
    LEFT HALF BLOCK
8F
    RIGHT HALF BLOCK
   LIGHT SHADE
90
    MEDIUM SHADE
91
92
    DARK SHADE
    TOP HALF INTEGRAL
93
    BLACK SMALL SQUARE
94
    BULLET OPERATOR
95
96
    SQUARE ROOT
    ALMOST EQUAL TO
LESS THAN OR EQUAL TO
97
98
99
    GREATER THAN OR EQUAL TO
9A
    NON-BREAKING SPACE
9B
    BOTTOM HALF INTEGRAL
9C
    DEGREE SIGN
9D
    SUPERSCRIPT DIGIT TWO
9E
    MIDDLE DOT
    DIVISION SIGN
9F
    FORMS DOUBLE HORIZONTAL
Α0
A1
    FORMS DOUBLE VERTICAL
A2
    FORMS DOWN SINGLE AND RIGHT DOUBLE
A3
    CYRILLIC SMALL LETTER IO
   FORMS DOWN DOUBLE AND RIGHT SINGLE
Α4
    FORMS DOUBLE DOWN AND RIGHT
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FORMS DOWN SINGLE AND LEFT DOUBLE
       FORMS DOWN DOUBLE AND LEFT SINGLE
Α7
      FORMS DOUBLE DOWN AND LEFT
8A
      FORMS UP SINGLE AND RIGHT DOUBLE
      FORMS UP DOUBLE AND RIGHT SINGLE
AA
      FORMS DOUBLE UP AND RIGHT
FORMS UP SINGLE AND LEFT DOUBLE
FORMS UP DOUBLE AND LEFT SINGLE
AB
AC
AD
      FORMS DOUBLE UP AND LEFT
      FORMS VERTICAL SINGLE AND RIGHT DOUBLE
AF
     FORMS VERTICAL DOUBLE AND RIGHT SINGLE
B0
B1 FORMS DOUBLE VERTICAL AND RIGHT
B2
     FORMS VERTICAL SINGLE AND LEFT DOUBLE
     CYRILLIC CAPITAL LETTER 10
B3
      FORMS VERTICAL DOUBLE AND LEFT SINGLE FORMS DOUBLE VERTICAL AND LEFT
      FORMS DOWN SINGLE AND HORIZONTAL DOUBLE
       FORMS DOWN DOUBLE AND HORIZONTAL SINGLE
      FORMS DOUBLE DOWN AND HORIZONTAL
B8
      FORMS UP SINGLE AND HORIZONTAL DOUBLE FORMS UP DOUBLE AND HORIZONTAL SINGLE FORMS DOUBLE UP AND HORIZONTAL
B9
BA
      FORMS VERTICAL SINGLE AND HORIZONTAL DOUBLE
      FORMS VERTICAL DOUBLE AND HORIZONTAL SINGLE
BD
     FORMS DOUBLE VERTICAL AND HORIZONTAL
BF
      COPYRIGHT SIGN
CO CYRILLIC SMALL LETTER IU
C1 CYRILLIC SMALL LETTER A
C2 CYRILLIC SMALL LETTER BE
C3 CYRILLIC SMALL LETTER TSE
C4 CYRILLIC SMALL LETTER DE
C5 CYRILLIC SMALL LETTER IE
C6
      CYRILLIC SMALL LETTER EF
     CYRILLIC SMALL LETTER EF
CYRILLIC SMALL LETTER GE
CYRILLIC SMALL LETTER KHA
CYRILLIC SMALL LETTER II
CYRILLIC SMALL LETTER SHORT II
CYRILLIC SMALL LETTER KA
CYRILLIC SMALL LETTER EL
CYRILLIC SMALL LETTER EM
CYRILLIC SMALL LETTER EN
CYRILLIC SMALL LETTER O
CYRILLIC SMALL LETTER PE
CYRILLIC SMALL LETTER PE
CYRILLIC SMALL LETTER IA
CYRILLIC SMALL LETTER ER
C7
C8
C9
CA
CB
\mathsf{CC}
CD
CE
CF
D0
D1
      CYRILLIC SMALL LETTER ER
D2
      CYRILLIC SMALL LETTER ES
D3
D4 CYRILLIC SMALL LETTER TE
D5 CYRILLIC SMALL LETTER U
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CYRILLIC SMALL LETTER ZHE
CYRILLIC SMALL LETTER VE
CYRILLIC SMALL LETTER SOFT SIGN
D7
D8
        CYRILLIC SMALL LETTER YERI
D9
DA
        CYRILLIC SMALL LETTER ZE
       CYRILLIC SMALL LETTER SHA
CYRILLIC SMALL LETTER SHA
CYRILLIC SMALL LETTER REVERSED E
CYRILLIC SMALL LETTER SHCHA
CYRILLIC SMALL LETTER CHE
CYRILLIC SMALL LETTER HARD SIGN
CYRILLIC CAPITAL LETTER IU
CYRILLIC CAPITAL LETTER
DB
DC
DD
DE
DF
E0
       CYRILLIC CAPITAL LETTER A
E1
       CYRILLIC CAPITAL LETTER BE
CYRILLIC CAPITAL LETTER TSE
CYRILLIC CAPITAL LETTER DE
CYRILLIC CAPITAL LETTER IE
E2
E3
E4
       CYRILLIC CAPITAL LETTER EF
E6
        CYRILLIC CAPITAL LETTER GE
E7
E8
        CYRILLIC CAPITAL LETTER KHA
       CYRILLIC CAPITAL LETTER II
CYRILLIC CAPITAL LETTER SHORT II
CYRILLIC CAPITAL LETTER KA
CYRILLIC CAPITAL LETTER EL
E9
EA
EB
EC
       CYRILLIC CAPITAL LETTER EM CYRILLIC CAPITAL LETTER EN
ED
EE
        CYRILLIC CAPITAL LETTER 0
EF
      CYRILLIC CAPITAL LETTER PE
CYRILLIC CAPITAL LETTER IA
CYRILLIC CAPITAL LETTER ER
CYRILLIC CAPITAL LETTER ES
F0
F1
F2
F3
       CYRILLIC CAPITAL LETTER TE
F4
F5
        CYRILLIC CAPITAL LETTER U
F6
        CYRILLIC CAPITAL LETTER ZHE
       CYRILLIC CAPITAL LETTER ZHE
CYRILLIC CAPITAL LETTER VE
CYRILLIC CAPITAL LETTER SOFT SIGN
CYRILLIC CAPITAL LETTER YERI
CYRILLIC CAPITAL LETTER ZE
CYRILLIC CAPITAL LETTER SHA
CYRILLIC CAPITAL LETTER REVERSED E
F7
F8
FA
FB
FC
       CYRILLIC CAPITAL LETTER SHCHA
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CYRILLIC CAPITAL LETTER CHE
CYRILLIC CAPITAL LETTER HARD SIGN

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FD

FE FF

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Security Considerations

Security issues are not discussed in this memo.

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