This document is a more detailed WG2 N2182 which was submitted by D. P. R. of Korea in August 1998.

The 38th WG2 meeting recognized that some symbols from our proposal are under consideration now and resolved that CSK should submit a more completed proposal following the guidelines in the WG2 principle and procedures document (SC2/WG2 N 2002).

Therefore, CSK submit our proposal summary form and propose the addition of 82 symbols that are specified in KPS 9566-97 and widely in use in D. P. R. of Korea.

And CSK Propose to add 82 symbols, along with those which are now under consideration of WG2, to the working draft of next amendment of ISO/IEC 10646-1:2000.
A. Administrative

1. Title: Proposal to add 82 Symbols to ISO/IEC 10646-1:2000

2. Requester's name: Committee for Standardization of D.P.R.of Korea (CSK)

3. Requester type (Member body/Liaison/Individual contribution): Member body

4. Submission date: 2000-08-10

5. Requester's reference (if applicable): KPS 9566-97

6. (Choose one of the following:)
   a. This is a complete proposal: Yes
   b. More information will be provided later: Yes

B. Technical-General

1. (Choose one of the following:)
   a. This proposal is for a new script (set of characters): Yes (a few)
      Proposed name of script: Supplemental-A Arrow
   b. The proposal is for addition of character(s) to an existing block: Yes
      Name of the existing block:
      General Punctuation (13), Number Form (5), Miscellaneous Technical (17),
      Enclosed Alphanumerics (10), Geometric Shapes (6), Miscellaneous Symbols (3),
      Dingbats (1), Supplemental -A Arrow (14), CJK Symbols and Punctuation (3),
      Enclosed CJK Letters and Month (10)

2. Number of characters in proposal: 82

3. Proposed category (see section II, character categories):

4. Proposed Level of Implementation (see clause 15, ISO/IEC 10646-1): 3
   Is a rationale provided for the choice? Yes
   If Yes, reference:

5. Is a repertoire including character names provided?: Yes
   a. If YES, are the names in accordance with the 'character naming guidelines'
      in Annex K of ISO/IEC 10646-1? Yes
   b. Are the character shapes attached in a reviewable form? Yes

6. Who will provide the appropriate computerized font (ordered preference: TrueType, Postscript or 96*96 bit-mapped format) for publishing the standard? CSK
   If available now, identify source(s) for the font (include address, e-mail, ftp-site, etc.) and indicate the tools used: 96 * 96bit mapped format

7. References:
   a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided? Yes
b. Are published examples (such as samples from newspapers, magazines, or other sources) of use of proposed characters attached?  Yes

8. Special encoding issues:  No
   Does the proposal address other aspects of character data processing (if applicable) such as input, presentation, sorting, searching, indexing, transliteration etc. (if yes please enclose information):

C. Technical-Justification

1. Has this proposal for addition of character(s) been submitted before?  Yes
   If YES, explain  In the 38TH WG2 meeting, WG2 document N2182

2. Has contact been made to members of the user community (for example: National
   Body, user groups of the script or characters, other experts etc.)?  Yes
   If YES, with whom?  CSK, PIC (Pyongyang Informatics Centre),
   KCC (Korean Computer Centre), ASS (Academy of Social Sciences of D.P.R.K)
   If YES, available relevant documents?  KPS 9566-97

3. Information on the user community for the proposed characters (for example: size,
   Demographics, information technology use, or publishing use) is included?  Yes
   Reference:

4. The context of use for the proposed characters (type of use; common or rare)  Common
   Reference:

5. Are the proposed characters in current use by the user community?  Yes
   If YES, where? Reference: In the D.P.R of Korea

6. After giving due considerations to the principles in "principles and procedures" document (a
   WG2 standing document) must the proposed characters be entirely in the BMP?  Yes
   If YES, is a rationale provided?
   If YES, reference:

7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?  Yes

8. Can any of the proposed characters be considered a presentation form of an existing
   character or character sequence?  No
   If YES, is a rationale for its inclusion provided?
   If YES, reference:

9. Can any of the proposed character(s) be considered to be similar (in appearance
   or function) to an existing character?  No
   If YES, is a rationale for its inclusion provided?
   If YES, reference:

10. Does the proposed include use of combining characters and/or use of composite
    sequences (see clauses 4.11 and 4.13 in ISO/IEC 10646-1)?  No
    If YES, is a rationale for such use provided?
    If YES, reference:
    Is a list of composite sequences and their corresponding glyph images
    (graphic symbols) provided?
    If YES, reference:

11. Does the proposal contain characters with any special properties such as control
    function or similar semantics?  No
    If YES, describe in detail (include attachment if necessary)
REPERTOIRE

GENERAL PUNCTUATION

.  2058   VERTICAL WRITING DOT
,  2059   VERTICAL WRITING COMMA
.  205A   VERTICAL WRITING RING ABOVE
,  205B   VERTICAL WRITING GRAVE ACCENT
/  205C   VERTICAL WRITING WAVE DASH
)  205D   RIGHT PARENTHESIS WITH A FULL STOP
)  205E   RIGHT DOUBLE ANGLE QUOTATION MARK WITH A FULL STOP
.  2064   OPEN ROW SINGLE QUOTATION MARK
,  2065   CLOSE ROW SINGLE QUOTATION MARK
”  2066   OPEN ROW DOUBLE QUOTATION MARK
“  2067   CLOSE ROW DOUBLE QUOTATION MARK
[  2068   VERTICAL OPEN SQUARE BRACKET
]  2069   VERTICAL CLOSE SQUARE BRACKET

NUMBER FORMS

½  2184   VOLGAR FRACTION ONE HALF
⅓  2185   VOLGAR FRACTION ONE THIRD
⅔  2186   VOLGAR FRACTION TWO THIRDS
¼  2187   VOLGAR FRACTION ONE QUARTER
¾  2188   VOLGAR FRACTION THREE QUARTERS

MISCELLANEOUS TECHNICAL

°C  23C0   KELVIN
dm  23C1   DECIMETRE
dm² 23C2   SQUARE DECIMETRE
dm³ 23C3   CUBIC DECIMETRE
m  23C4   VOLT PER METRE
m²  23C5   AMPERE PER METRE
gal 23C6   GALLON
Hg  23C7   MERCURIAL COLUMN
erg 23C8   ERG
eV  23C9   ELECTRO VOLT
ssé 23CA   WHITE ENTER MARK
©  23CB   CIRCLED WHITE UP-POINTING INDEX
£  23CC   TEA MARK
LTD 23CD   LIMITED LIABILITY
PTE 23CE   PARTNERSHIP
FAX 23CF   FACSIMILE
IU  23D0   INTERNATIONAL UNIT
ENCLOSED ALPHANUMERICS

① 24F0  CIRCLED NUMBER TWENTY-ONE
② 24F1  CIRCLED NUMBER TWENTY-TWO
③ 24F2  CIRCLED NUMBER TWENTY-THREE
④ 24F3  CIRCLED NUMBER TWENTY-FOUR
⑤ 24F4  CIRCLED NUMBER TWENTY-FIVE
⑥ 24F5  CIRCLED NUMBER TWENTY-SIX
⑦ 24F6  CIRCLED NUMBER TWENTY-SEVEN
⑧ 24F7  CIRCLED NUMBER TWENTY-EIGHT
⑨ 24F8  CIRCLED NUMBER TWENTY-NINE
⑩ 24F9  CIRCLED NUMBER THIRTY

GEOMETRIC SHAPES

▲ 25F8  WHITE UP-POINTING TRIANGLE WITH BLACK TRIANGLE
▲ 25F9  WHITE UP-POINTING TRIANGLE WITH HORIZONTAL FILL
▲ 25FA  WHITE UP-POINTING TRIANGLE WITH UPPER LEFT TO LOWER RIGHT FILL
▲ 25FB  WHITE UP-POINTING TRIANGLE WITH UPPER RIGHT TO LOWER LEFT FILL
▼ 25FC  WHITE FLAG
▼ 25FD  BLACK FLAG

MISCELLANEOUS SYMBOLS

☔ 2614  SHOWER
⚡ 2615  LIGHTNING
▼ 2616  WHITE UP-POINTING WITH CAUTION MARK

DINGBATS

✂ 2700  LEFTWARDS BLACK SCISSOR

SUPPLEMENTAL-A ARROWS

↖ 2B00  NORTH EAST WHITE ARROW
↙ 2B01  NORTH WEST WHITE ARROW
↘ 2B02  SOUTH EAST WHITE ARROW
↙ 2B03  SOUTH WEST WHITE ARROW
→ 2B04  RIGHTWARDS BLACK ARROW
← 2B05  LEFTWARDS BLACK ARROW
↑ 2B06  UPWARDS BLACK ARROW
2B07  DOWNWARDS BLACK ARROW
2B08  NORTH EAST BLACK ARROW
2B09  NORTH WEST BLACK ARROW
2B0A  SOUTH EAST BLACK ARROW
2B0B  SOUTH WEST BLACK ARROW
2B0C  RIGHTWARDS AND LEFTWARDS BLACK ARROW
2B0D  UPWARDS AND DOWNWARDS BLACK ARROW

CJK SYMBOLS AND PUNCTUATION

303B    WHITE DOWN-POINTING TRIANGLE WITH POST MARK
303C    MARK OF THE WORKERS’ PARTY OF KOREA
303D    CIRCLED MARK OF THE WORKERS’ PARTY OF KOREA

ENCLOSED CJK LETTERS AND MONTHS

321D    PARENTHESIZED KOREAN CHARACTER OJEON
321E    PARENTHESIZED KOREAN CHARACTER OHU
3244    EMPHASIZED KOREAN LETTER KIM INSIDE KIM IL SUNG
3245    EMPHASIZED KOREAN LETTER IL INSIDE KIM IL SUNG
3246    EMPHASIZED KOREAN LETTER SUNG INSIDE KIM IL SUNG
3247    EMPHASIZED KOREAN LETTER KIM INSIDE KIM JONG IL
3248    EMPHASIZED KOREAN LETTER JONG INSIDE KIM JONG IL
3249    EMPHASIZED KOREAN LETTER IL INSIDE KIM JONG IL
327C    CIRLED KOREAN CHARACTER CHAMKO
327D    CIRLED KOREAN CHARACTER JUEUI