



ISO/IEC JTC1/SC2/WG2 N2815

2004-06-18

L2/04-267

Universal Multiple Octet Coded Character Set
International Organization for Standardization
Organisation internationale de normalisation
Международная организация по стандартизации

Doc Type: Working Group Document
Title: Proposal to add Postal Code Mark to BMP of UCS
Source: Dae Hyuk Ahn
Status: National Body Contribution
Action: For consideration by JTC1/SC2/WG2 and UTC
Date: 2004-06-18

This document requests an enclosed Korean character used to represent postal code mark (Zip code) in Korea to be added to the BMP of UCS and contains proposal summary form.

In Korea, postal code mark (proposed character) is traditionally and commonly used to indicate the numbers succeeding are Zip code. The character is generally used on envelop of letters and business cards.

Due to many requests from users and communities, Korea National Standard Body finally add this character to our national standard document for ‘Code for information interchange (Hangeul and Hanja)’, known as KS X 1001:2002.

The repertoire requested is given here with proposed code positions:

	327E	POSTAL CODE MARK (or CIRCLED HANGUL IEUNG U) ≈ <circle> 110B ○ 1116E ▴
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For the round trip code conversion between ISO/IEC 10646 and KS X 1001, this character must be put to the BMP of UCS.

References

1. 'Korea Post' is in charge of postal services and a division of the ministry of information and communication in Korea. Their reference web site for postal code mark is: http://www.koreapost.go.kr/html/postsrv/internal/postno_02.jsp

2. KS X 1001:2002 - Code for information interchange (Hangeul and Hanja), page 10.

부속서 1 표 6 일반 기호(계 속)

부호표	문 자	명 칭
상의 위치		
2-71	®	“등록상표” 줄임표(Registered Sign)
2-72	㉠	“우편 번호” 줄임표(Postal Code Mark)
8-3	ㅅ	오디날표(Ordinal indicator, feminine)
8-12	ㅇ	오디날표(Ordinal indicator, masculine)

비 고 위에 있는 문자 76개 밖에도, 8-17~8-94와 9-17~9-94에 있는 문자 156개도 일반 기호에 속하며, 이를 모두 더하면 일반 문자는 232개가 된다.

3. Part of envelop of letters and business cards. (Hide for the personal information, some areas such as name and e-mail, cellular phone number is re-touched.)

(주) 한국마이크로소프트

서울특별시 강남구 대치동 892번지
포스코센터 서관 6층 ☎135-777

고객만족센터 : 080-985-2000
기술지원센터 : (02) 508-0040
팩스정보서비스 : (02) 563-0054
핫 메일 상담 : (02) 3285-9114
하드웨어A/S센터 : 080-645-1000
불법복제신고상담 : 080-333-3332
<http://www.microsoft.com/korea/>




한국아이비엠주식회사

서울 강남구 도곡동 467-12 군인공제회관빌딩
☎ 135-700

전 화 : 02-3781-7714
팩 스 : 02-3781-5164
휴대폰 : 011-898-

<http://www.ibm.com/kr>
e-mail: @kr.ibm.com

斗山情報通信株式會社

SINJISOFT

SYSTEM事業部 NETWORK팀

☎ 449-840
京畿道 龜仁郡 水枝面 呈福里 39-3
電 話 (0331) 280-1 6 7 2
F A X (0331) 280-0 5 9 6

(주)신지소프트

☎121-719 서울시 마포구 공덕동 253-42
지방재정회관빌딩 12F.
TEL : (02)711-6550(내선201)
FAX : (02)711-6545
Mobile : 011-9907-
@sinjisoft.com
<http://www.sinjisoft.com>

A. Administrative

1. Title

Proposal to add Postal Code Mark to the BMP of UCS.

2. Requester's name

Dae Hyuk Ahn / Korea National Body

3. Requestertype (Member body/Liaison/Individual contribution)

National Body Contribution.

4. Submission date

2004-06-18.

5. Requester's reference (if applicable)

6. Choose one of the following:

6a. This is a complete proposal

Yes.

6b. More information will be provided later

No.

B. Technical – General

1. Choose one of the following:

1a. This proposal is for a new script (set of characters)

No.

Proposed name of script

1b. The proposal is for addition of character(s) to an existing block

Yes.

1b. Name of the existing block

Enclosed CJK Letters and Months.

2. Number of characters in proposal

1

3. Proposed category (see section II, Character Categories)

Category – Please check this.

4a. Proposed Level of Implementation (1, 2 or 3) (see clause 14, ISO/IEC 10646-1: 2000)

Level 1.

4b. Is a rationale provided for the choice?

No.

4c. If YES, reference

5a. Is a repertoire including character names provided?

Yes.

5b. If YES, are the names in accordance with the naming guidelines in Annex L of ISO/IEC 10646-1: 2000?

Yes.

5c. Are the character shapes attached in a legible form suitable for review?

Yes.

6a. Who will provide the appropriate computerized font (ordered preference: True Type, or Post-Script format) for publishing the standard?

Dae Hyuk Ahn. TrueType.

6b. If available now, identify source(s) for the font (include address, e-mail, ftp-site, etc.) and indicate the tools used:

Dae Hyuk Ahn. FontLab.

7a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?

Yes.

7b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached?

Yes.

8. 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)?

Yes, see below.

9. Submitters are invited to provide any additional information about Properties of the proposed Character(s) or Script that will assist in correct understanding of and correct linguistic processing of the proposed character(s) or script. Examples of such properties are: Casing information, Numeric information, Currency information, Display behaviour information such as line breaks, widths etc., Combining behaviour, Spacing behaviour, Directional behaviour, Default Collation behaviour, relevance in Mark Up contexts, Compatibility equivalence and other Unicode normalization related information. See the Unicode standard at <http://www.unicode.org> for such information on other scripts. Also see Unicode Character Database <http://www.unicode.org/Public/UNIDATA/UnicodeCharacterDatabase.html> and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.

The characters have the same properties as other Enclosed CJK Letters and Months.

C. Technical – Justification

1. Has this proposal for addition of character(s) been submitted before? If YES, explain.

No.

2a. 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.

2b. If YES, with whom?

National Body.

2c. If YES, available relevant documents

KS X 1001:2002 Korea National Standards.

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

Yes.

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

Common.

4b. Reference

See examples below.

5a. Are the proposed characters in current use by the user community?

Yes. **5b. If YES, where?**

Most of envelope for letters and business card uses this character. It's government's guideline for postal code mark. http://www.koreapost.go.kr/html/postsrv/internal/postno_02.jsp

6a. After giving due considerations to the principles in Principles and Procedures document (a WG 2 standing document) must the proposed characters be entirely in the BMP?

Yes.

6b. If YES, is a rationale provided?

Yes.

6c. If YES, reference

Keep with other Enclosed CJK Letters and Months.

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

Not necessarily.

8a. Can any of the proposed characters be considered a presentation form of an existing character or character sequence?

No.

8b. If YES, is a rationale for its inclusion provided?

8c. If YES, reference

9a. Can any of the proposed characters be encoded using a composed character sequence of either

existing characters or other proposed characters?

No.

9b. If YES, is a rationale for its inclusion provided?

9c. If YES, reference

10a. Can any of the proposed character(s) be considered to be similar (in appearance or function) to an existing character?

No.

10b. If YES, is a rationale for its inclusion provided?

10c. If YES, reference

11a. Does the proposal include use of combining characters and/or use of composite sequences (see clauses 4.12 and 4.14 in ISO/IEC 10646-1: 2000)?

No.

11b. If YES, is a rationale for such use provided?

11c. If YES, reference

12a. Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided?

No.

12b. If YES, reference 13a. Does the proposal contain characters with any special properties such as control function or similar semantics?

No.

13b. If YES, describe in detail (include attachment if necessary)

14a. Does the proposal contain any Ideographic compatibility character(s)?

No.

14b. If YES, is the equivalent corresponding unified ideographic character(s) identified?

14c. If YES, reference