This document proposes fourteen characters used in the Japanese educational field, and discusses the rationale for their inclusion.

The final draft Japanese Industrial Standard, JIS X0213 developed in Japan, and it will be published by the end of this year. The new standard will include all characters in this proposal, so the adoption of them is very important in the view to keep upward compatibility with the Japanese products.

The proposed characters are mainly used in the phonetic field. They also appear in the school text books. Nine Latin characters are pre-composed with accent mark. Five symbols and four combining characters come from the official IPA reference. UCS's IPA repertoire is completed by including these characters. Rest two are arrows that are often used to denote the accent of a word.

The characters proposed to be added here are given below, with proposed code positions. The proposal summary form is appended thereafter.

<table>
<thead>
<tr>
<th>LATIN EXTENDED-B</th>
<th>SPACING MODIFIER LETTERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0234 0235 0236 0237 0238 0239</td>
<td>0234 0235 0236 0237 0238 0239</td>
</tr>
<tr>
<td>LATIN SMALL LETTER AE WITH ACUTE</td>
<td>LATIN SMALL LETTER OPEN O WITH GRAVE</td>
</tr>
<tr>
<td>LATIN SMALL LETTER OPEN O WITH ACUTE</td>
<td>LATIN SMALL LETTER TURNED V WITH GRAVE</td>
</tr>
<tr>
<td>LATIN SMALL LETTER TURNED V WITH ACUTE</td>
<td>LATIN SMALL LETTER SCHWA WITH GRAVE</td>
</tr>
<tr>
<td>LATIN SMALL LETTER SCHWA WITH ACUTE</td>
<td>LATIN SMALL LETTER HOOKED SCHWA WITH GRAVE</td>
</tr>
<tr>
<td>LATIN SMALL LETTER HOOKED SCHWA WITH ACUTE</td>
<td>LATIN SMALL LETTER HOOKED SCHWA WITH ACUTE</td>
</tr>
<tr>
<td>023A 023B 023C</td>
<td>023A 023B 023C</td>
</tr>
<tr>
<td>LATIN SMALL LETTER SCHWA WITH ACUTE</td>
<td>LATIN SMALL LETTER HOOKED SCHWA WITH GRAVE</td>
</tr>
<tr>
<td>LATIN SMALL LETTER HOOKED SCHWA WITH ACUTE</td>
<td>LATIN SMALL LETTER HOOKED SCHWA WITH ACUTE</td>
</tr>
<tr>
<td>023A 023B 023C</td>
<td>023A 023B 023C</td>
</tr>
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<td>LATIN SMALL LETTER HOOKED SCHWA WITH GRAVE</td>
</tr>
<tr>
<td>LATIN SMALL LETTER HOOKED SCHWA WITH ACUTE</td>
<td>LATIN SMALL LETTER HOOKED SCHWA WITH ACUTE</td>
</tr>
<tr>
<td>023A 023B 023C</td>
<td>023A 023B 023C</td>
</tr>
<tr>
<td>LATIN SMALL LETTER SCHWA WITH ACUTE</td>
<td>LATIN SMALL LETTER HOOKED SCHWA WITH GRAVE</td>
</tr>
<tr>
<td>LATIN SMALL LETTER HOOKED SCHWA WITH ACUTE</td>
<td>LATIN SMALL LETTER HOOKED SCHWA WITH ACUTE</td>
</tr>
<tr>
<td>023A 023B 023C</td>
<td>023A 023B 023C</td>
</tr>
<tr>
<td>LATIN SMALL LETTER SCHWA WITH ACUTE</td>
<td>LATIN SMALL LETTER HOOKED SCHWA WITH GRAVE</td>
</tr>
<tr>
<td>LATIN SMALL LETTER HOOKED SCHWA WITH ACUTE</td>
<td>LATIN SMALL LETTER HOOKED SCHWA WITH ACUTE</td>
</tr>
</tbody>
</table>

\[ æ \]
A. Administrative
1. Title
Addition of twenty educational characters

2. Requester's name
JCS Committee, JSA

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

4. Submission date
1999-07-15

5. Requester's reference (if applicable)
Final Draft JIS X0213 (to appear)

6. This is a complete proposal
Yes

B. Technical - General
1a. This proposal is for a new script ? Name ?
No.

1b. The proposal is for addition of character(s) to an existing block ? Name ?
Yes.
LATIN EXTENDED-B
SPACING MODIFIER LETTERS
COMBINING DIACRITICAL MARKS
ARROWS

2. Number of characters in proposal
LATIN EXTENDED-B: 9
SPACING MODIFIER LETTERS: 2
COMBINING DIACRITICAL MARKS: 1
ARROWS: 2

3. Proposed category
A

4. Proposed level of implementation and rationale
1
Is a rationale provided for the choice ?
Yes
If Yes, reference: Enclosed

5. Is a repertoire including character names provided ?
Yes

5a. Are the names in accordance with the 'character naming guidelines' in Annex K of ISO/IEC 10646-1 ?
Yes
5b. Are the character shapes attached in a reviewable form?
Yes

6. Who will provide the appropriate computerized font for publishing the standard?
JCS Committee
If available now, identify source(s) for the font and indicate the tools used.
96 x 96 dots bitmap

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

C. Technical - Justification
1. Has this proposal for addition of character(s) been submitted before?
No

2. Has contact been made to members of the user community?
Yes
If Yes, with whom? IPA web page, Japanese school text books
If Yes, available relevant documents? Enclosed

3. Information on the user community for the proposed characters is included?
Yes
Reference JISC

4. The context of use for the proposed characters
Common
If Yes, where? Reference Text book

5. Are the proposed characters in current use by the user community?
Yes
If Yes, where? Reference IPA web page, Japanese school text books

6. After giving due considerations to the principles in “Principles and Procedures” document must the proposed characters be entirely in the BMP?
Yes
If Yes, is a rationale provided? Yes
If Yes, Reference Enclosed

7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?
8. Can any of the proposed characters be considered a presentation form of an existing character or character sequence?
   Yes
   If Yes, is a rationale for its inclusion provided?  Yes
   If Yes, reference  Enclosed

9. Can any of the proposed character(s) be considered to be similar (in appearance of function) to an existing character?
   No

10. Does the proposal include use of combining characters and/or use of composite sequences?
    Yes, 1 character is used for combining
    If Yes, is a rationale for such use provided?  Yes
    If Yes, reference  Enclosed

   Is a list of composite sequences and their corresponding glyph images provided?  Yes
   If Yes, reference  Enclosed

11. Does the proposal contain characters with any special properties such as control function or similar semantics?
    No

D. SC2/WG2 Administrative
To be completed by SC2/WG2
1. Relevant SC2/WG2 document numbers:

2. Status (list of meeting number and corresponding action or disposition)

3. Additional contact to user communities, liaison organizations etc.

4. Assigned category and assigned priority/time frame

Other Comments
This document proposes seven HIRAGANA characters used to describe Japanese precise pronunciation, and discusses the rationale for their inclusion.

The final draft Japanese Industrial Standard, JIS X0213 developed in Japan, and it will be published by the end of this year. The new standard will include all characters in this proposal, so the adoption of them is very important in the view to keep upward compatibility with the Japanese products.

Two small letters are adopted for compatibility. They are usually used as KATAKANA character and small KATAKANA are already coded. But in many application programs such as input system requires HIRAGANA characters correspond to them.

The rest of proposed characters are mainly used to describe precise pronunciation of Japanese. Usually Japanese pronunciation is normalized as fifty syllabics, but there are more syllabics for the precise pronunciation. They are referred as BIDAKUON. To describe such kind of syllabics, HIRAGANA characters in this proposal are supplied to the HIRAGANA repertoire. Major broadcasting stations in Japan such as NHK, takes this system, and there are some user communities.

The characters proposed to be added here are given below, with proposed code positions. The proposal summary form is appended thereafter.

<table>
<thead>
<tr>
<th>HIRAGANA</th>
<th>31D2</th>
<th>HIRAGANA LETTER KU WITH SEMI-VOICED SOUND MARK</th>
</tr>
</thead>
<tbody>
<tr>
<td>3095 HIRAGANA LETTER SMALL KA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3096 HIRAGANA LETTER SMALL KE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIRAGANA EXTENDED</td>
<td>31D3</td>
<td>HIRAGANA LETTER KE WITH SEMI-VOICED SOUND MARK</td>
</tr>
<tr>
<td>31D0 HIRAGANA LETTER KA WITH SEMI-VOICED SOUND MARK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>31D1 HIRAGANA LETTER KI WITH SEMI-VOICED SOUND MARK</td>
<td>3095:</td>
<td></td>
</tr>
</tbody>
</table>

kwargs: None
けがぱくけご
A. Administrative

1. Title
   Addition of seven HIRAGANA characters

2. Requester’s name
   JCS Committee, JSA

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

4. Submission date
   1999-07-15

5. Requester’s reference (if applicable)
   Final Draft JIS X0213 (to appear)

6. This is a complete proposal
   Yes

B. Technical - General

1a. This proposal is for a new script ? Name ?
   Five characters are new script.
   HIRAGANA EXTENDED

1b. The proposal is for addition of character(s) to an existing block ? Name ?
   Two characters
   HIRAGANA

2. Number of characters in proposal
   HIRAGANA: 2
   HIRAGANA EXTENDED: 5

3. Proposed category
   A

4. Proposed level of implementation and rationale
   1
   Is a rationale provided for the choice ?   Yes
   If Yes, reference:   Enclosed

5. Is a repertoire including character names provided ?
   Yes
   5a. Are the names in accordance with the ‘character naming guidelines’ in Annex K of
       ISO/IEC 10646-1 ?
       Yes

5b. Are the character shapes attached in a reviewable form ?
   Yes

6. Who will provide the appropriate computerized font for publishing the standard ?
JCS Committee

If available now, identify source(s) for the font and indicate the tools used.
96 x 96 dots bitmap

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

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

C. Technical - Justification

1. Has this proposal for addition of character(s) been submitted before?
No

2. Has contact been made to members of the user community?
Yes

   If Yes, with whom? NHK, Japanese community of BIDAKUON
   If Yes, available relevant documents? Enclosed

3. Information on the user community for the proposed characters is included?
Yes

   Reference JCS Committee

4. The context of use for the proposed characters

   Common

   If Yes, where? Reference Enclosed

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

   If Yes, where? Reference Enclosed

6. After giving due considerations to the principles in “Principles and Procedures” document must the proposed characters be entirely in the BMP?
Yes

   If Yes, is a rationale provided? Yes
   If Yes, Reference See above

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?
Yes
If Yes, is a rationale for its inclusion provided?  Yes
If Yes, reference  Enclosed

9. Can any of the proposed character(s) be considered to be similar (in appearance of function) to an existing character?  
   No

10. Does the proposal include use of combining characters and/or use of composite sequences?  
    No

11. Does the proposal contain characters with any special properties such as control function or similar semantics?  
    No

D. SC2/WG2 Administrative
To be completed by SC2/WG2
1. Relevant SC2/WG2 document numbers:

2. Status (list of meeting number and corresponding action or disposition)

3. Additional contact to user communities, liaison organizations etc.

4. Assigned category and assigned priority/time frame

Other Comments
This document proposes twenty seven characters used by dentists, and discusses the rationale for their inclusion.

The final draft Japanese Industrial Standard, JIS X0213 is being developed in Japan, and it will be published by the end of this year. The new standard will include all characters in this proposal, so the adoption of them is very important in the view to keep upward compatibility with the Japanese products.

The proposed characters are used by dentists.

The characters proposed to be added here are given below, with proposed code positions. The proposal summary form is appended thereafter.

<table>
<thead>
<tr>
<th>MISCELLANIOUS TECHNICAL</th>
<th>WITH TRIANGLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>239B  TWO PLUS</td>
<td>23A5  DENTIST SYMBOL LIGHT VERTICAL AND WAVE</td>
</tr>
<tr>
<td>239C  THREE PLUS</td>
<td>23A6  DENTIST SYMBOL LIGHT DOWN AND HORIZONTAL</td>
</tr>
<tr>
<td>239D  DENTIST SYMBOL LIGHT VERTICAL AND TOP RIGHT</td>
<td>23A7  DENTIST SYMBOL LIGHT UP AND HORIZONTAL</td>
</tr>
<tr>
<td>239E  DENTIST SYMBOL LIGHT VERTICAL AND BOTTOM RIGHT</td>
<td>23A8  DENTIST SYMBOL LIGHT DOWN AND HORIZONTAL</td>
</tr>
<tr>
<td>239F  DENTIST SYMBOL LIGHT VERTICAL WITH CIRCLE</td>
<td>23A9  DENTIST SYMBOL LIGHT UP AND HORIZONTAL</td>
</tr>
<tr>
<td>23A0  DENTIST SYMBOL LIGHT DOWN AND HORIZONTAL WITH CIRCLE</td>
<td>23AA  DENTIST SYMBOL LIGHT VERTICAL AND TOP LEFT</td>
</tr>
<tr>
<td>23A1  DENTIST SYMBOL LIGHT UP AND HORIZONTAL WITH CIRCLE</td>
<td>23AB  DENTIST SYMBOL LIGHT VERTICAL AND BOTTOM</td>
</tr>
<tr>
<td>23A2  DENTIST SYMBOL LIGHT VERTICAL WITH TRIANGLE</td>
<td>23AC  DOUBLE CIRCLED DIGIT ONE</td>
</tr>
<tr>
<td>23A3  DENTIST SYMBOL LIGHT DOWN AND HORIZONTAL WITH TRIANGLE</td>
<td>23AD  DOUBLE CIRCLED DIGIT TWO</td>
</tr>
<tr>
<td>23A4  DENTIST SYMBOL LIGHT UP AND HORIZONTAL</td>
<td>23AE  DOUBLE CIRCLED DIGIT THREE</td>
</tr>
<tr>
<td></td>
<td>23AF  DOUBLE CIRCLED DIGIT FOUR</td>
</tr>
<tr>
<td></td>
<td>23B0  DOUBLE CIRCLED DIGIT FIVE</td>
</tr>
</tbody>
</table>
23B1  DOUBLE CIRCLED DIGIT SIX
23B2  DOUBLE CIRCLED DIGIT SEVEN
23B3  DOUBLE CIRCLED DIGIT EIGHT
23B4  DOUBLE CIRCLED DIGIT NINE
23B5  DOUBLE CIRCLED NUMBER TEN

239B:
239C:
239D:
239E:
239F:
23A0:
23A1:
23A2:
23A3:
23A4:
23A5:
23A6:
23A7:
23A8:
23A9:
23AA:
23AB:
23AC:
A. Administrative

1. Title
   Addition of twenty seven characters used by dentists

2. Requester’s name
   JCS Committee, JSA

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

4. Submission date
   1999-07-15

5. Requester’s reference (if applicable)
   Final Draft JIS X0213 (to appear)

6. This is a complete proposal
   Yes

B. Technical - General

1a. This proposal is for a new script? Name?
   No.

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

   MISCELLANIOUS TECHNICAL

2. Number of characters in proposal
   27

3. Proposed category
   A

4. Proposed level of implementation and rationale
   1
   Is a rationale provided for the choice? Yes
   If Yes, reference: Enclosed

5. Is a repertoire including character names provided?
   Yes

5a. Are the names in accordance with the ‘character naming guidelines’ in Annex K of
    ISO/IEC 10646-1?
    Yes

5b. Are the character shapes attached in a reviewable form?
    Yes

6. Who will provide the appropriate computerized font for publishing the standard?
   JCS Committee
   If available now, identify source(s) for the font and indicate the tools used.
7a. Are references (to other character sets, dictionaries, descriptive texts, etc.) provided?
   Yes

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

C. Technical - Justification

1. Has this proposal for addition of character(s) been submitted before?
   No

2. Has contact been made to members of the user community?
   Yes
   If Yes, with whom?  Osaka University
   If Yes, available relevant documents?  Enclosed

3. Information on the user community for the proposed characters is included?
   Yes
   Reference  J CS Committee

4. The context of use for the proposed characters
   Common
   If Yes, where?  Reference  Karte (medical record)

5. Are the proposed characters in current use by the user community?
   Yes
   If Yes, where?  Reference

6. After giving due considerations to the principles in “Principles and Procedures” document must the proposed characters be entirely in the BMP?
   Yes
   If Yes, is a rationale provided?  Yes
   If Yes, Reference  See above

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

10. Does the proposal include use of combining characters and/or use of composite sequences?
    No

11. Does the proposal contain characters with any special properties such as control function or similar semantics?
    No

D. SC2/WG2 Administrative
To be completed by SC2/WG2

1. Relevant SC2/WG2 document numbers:

2. Status (list of meeting number and corresponding action or disposition)

3. Additional contact to user communities, liaison organizations etc.

4. Assigned category and assigned priority/time frame

Other Comments
This document proposes forty enclosed numbers, and discusses the rationale for their inclusion.

The final draft Japanese Industrial Standard, JIS X0213 is being developed in Japan, and it will be published by the end of this year. The new standard will include all characters in this proposal, so the adoption of them is very important in the view to keep upward compatibility with the Japanese products.

The proposed characters are strongly requested by the Japanese government in order to make machine readable of Japanese laws. Enclosed numbers are generally used at anywhere. UCS already includes circled number up to twenty, but it is not enough to write Japanese laws and regulations. So final draft JIS X0213 adopts circled number up to fifty and negative circled number up to twenty.

The characters proposed to be added here are given below, with proposed code positions. The proposal summary form is appended thereafter.

ENCLOSED ALPHANUMERICS

21D0  CIRCLED NUMBER TWENTY ONE
21D1  CIRCLED NUMBER TWENTY TWO
21D2  CIRCLED NUMBER TWENTY THREE
21D3  CIRCLED NUMBER TWENTY FOUR
21D4  CIRCLED NUMBER TWENTY FIVE
21D5  CIRCLED NUMBER TWENTY SIX
21D6  CIRCLED NUMBER TWENTY SEVEN
21D7  CIRCLED NUMBER TWENTY EIGHT
21D8  CIRCLED NUMBER TWENTY NINE
21D9  CIRCLED NUMBER THIRTY
21DA  CIRCLED NUMBER THIRTY ONE
21DB  CIRCLED NUMBER THIRTY TWO
21DC  CIRCLED NUMBER THIRTY THREE
21DD  CIRCLED NUMBER THIRTY FOUR
21DE  CIRCLED NUMBER THIRTY FIVE
21DF  CIRCLED NUMBER THIRTY SIX
21E0  CIRCLED NUMBER THIRTY SEVEN
21E1  CIRCLED NUMBER THIRTY EIGHT
21E2  CIRCLED NUMBER THIRTY NINE
21E3  CIRCLED NUMBER FORTY
21E4  CIRCLED NUMBER FORTY ONE
21E5  CIRCLED NUMBER FORTY TWO
21E6  CIRCLED NUMBER FORTY THREE
21E7  CIRCLED NUMBER FORTY FOUR
21E8  CIRCLED NUMBER FORTY FIVE
A. Administrative

1. Title
   Addition of forty enclosed numbers

2. Requester’s name
   JCS Committee, JSA

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

4. Submission date
   1999-07-15

5. Requester’s reference (if applicable)
   Final Draft JIS X0213 (to appear)

6. This is a complete proposal
   Yes

B. Technical - General

1a. This proposal is for a new script ? Name ?
   No.

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

ENCLOSED ALPHANUMERICs

2. Number of characters in proposal
   40

3. Proposed category
   A

4. Proposed level of implementation and rationale
   1
   Is a rationale provided for the choice ? Yes
   If Yes, reference: Enclosed

5. Is a repertoire including character names provided ?
   Yes

5a. Are the names in accordance with the ‘character naming guidelines’ in Annex K of ISO/IEC 10646-1 ?
   Yes

5b. Are the character shapes attached in a reviewable form ?
   Yes

6. Who will provide the appropriate computerized font for publishing the standard ?
   JCS Committee

   If available now, identify source(s) for the font and indicate the tools used.
7a. Are references (to other character sets, dictionaries, descriptive texts, etc.) provided?  
Yes

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

C. Technical - Justification

1. Has this proposal for addition of character(s) been submitted before?
   No

2. Has contact been made to members of the user community?
   Yes
   If Yes, with whom?  Management and coordination Agency
   If Yes, available relevant documents?  Enclosed

3. Information on the user community for the proposed characters is included?
   Yes
   Reference  J CS Committee

4. The context of use for the proposed characters
   Common
   If Yes, where?  Reference  Japanese Laws

5. Are the proposed characters in current use by the user community?
   Yes
   If Yes, where?  Reference  Japanese Laws

6. After giving due considerations to the principles in “Principles and Procedures” document must the proposed characters be entirely in the BMP?
   Yes
   If Yes, is a rationale provided?  Yes
   If Yes, Reference  See above

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

10. Does the proposal include use of combining characters and/or use of composite sequences?
    No

11. Does the proposal contain characters with any special properties such as control function or similar semantics?
    No

D. SC2/WG2 Administrative
To be completed by SC2/WG2

1. Relevant SC2/WG2 document numbers:

2. Status (list of meeting number and corresponding action or disposition)

3. Additional contact to user communities, liaison organizations etc.

4. Assigned category and assigned priority/time frame

Other Comments
This document proposes twenty five KATAKANA characters used to describe Language of AINU, Japanese aborigine, and discusses the rationale for their inclusion.

The final draft Japanese Industrial Standard, JIS X0213 is being developed in Japan, and it will be published by the end of this year. The new standard will include all characters in this proposal, so the adoption of them is very important in the view to keep upward compatibility with the Japanese products.

Proposed characters are mainly used to describe the AINU Language. Though AINU does not have their own writing system, KATAKANA characters are commonly used to describe them. Characters in this proposal are supplied to the KATAKANA repertoire, and commonly used in the publications such as books and newspapers.

The characters proposed to be added here are given below, with proposed code positions. The proposal summary form is appended thereafter.

<table>
<thead>
<tr>
<th>Character</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>31E0</td>
<td>KATAKANA LETTER KA WITH SEMI-VOICED SOUND MARK</td>
<td>31E7 KATAKANA LETTER TO WITH SEMI-VOICED SOUND MARK</td>
</tr>
<tr>
<td>31E1</td>
<td>KATAKANA LETTER KI WITH SEMI-VOICED SOUND MARK</td>
<td>31E8 KATAKANA LETTER SMALL KU</td>
</tr>
<tr>
<td>31E2</td>
<td>KATAKANA LETTER KU WITH SEMI-VOICED SOUND MARK</td>
<td>31E9 KATAKANA LETTER SMALL SI</td>
</tr>
<tr>
<td>31E3</td>
<td>KATAKANA LETTER KE WITH SEMI-VOICED SOUND MARK</td>
<td>31EA KATAKANA LETTER SMALL SU</td>
</tr>
<tr>
<td>31E4</td>
<td>KATAKANA LETTER KO WITH SEMI-VOICED SOUND MARK</td>
<td>31EB KATAKANA LETTER SMALL TO</td>
</tr>
<tr>
<td>31E5</td>
<td>KATAKANA LETTER SE WITH SEMI-VOICED SOUND MARK</td>
<td>31EC KATAKANA LETTER SMALL NU</td>
</tr>
<tr>
<td>31E6</td>
<td>KATAKANA LETTER TU WITH SEMI-VOICED SOUND MARK</td>
<td>31ED KATAKANA LETTER SMALL HA</td>
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</tbody>
</table>
A. Administrative

1. Title
   Addition of twenty five Katakana characters

2. Requester’s name
   JCS Committee, JSA

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

4. Submission date
   1999-07-15

5. Requester’s reference (if applicable)
   Final Draft JIS X0213 (to appear)

6. This is a complete proposal
   Yes

B. Technical - General

1a. This proposal is for a new script ? Name ?
   Yes.
   KATAKANA EXTENDED

1b. The proposal is for addition of character(s) to an existing block ? Name ?
   No.

2. Number of characters in proposal
   27

3. Proposed category
   A

4. Proposed level of implementation and rationale
   1
   Is a rationale provided for the choice ?  Yes
   If Yes, reference:  Enclosed

5. Is a repertoire including character names provided ?
   Yes

5a. Are the names in accordance with the ‘character naming guidelines’ in Annex K of
    ISO/IEC 10646-1 ?
   Yes

5b. Are the character shapes attached in a reviewable form ?
   Yes

6. Who will provide the appropriate computerized font for publishing the standard ?
   JCS Committee
   If available now, identify source(s) for the font and indicate the tools used.
7a. Are references (to other character sets, dictionaries, descriptive texts, etc.) provided?
   Yes

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

C. Technical - Justification

1. Has this proposal for addition of character(s) been submitted before?
   No

2. Has contact been made to members of the user community?
   Yes
   If Yes, with whom? Prof. Sato, Hokkaido University
   If Yes, available relevant documents? Enclosed

3. Information on the user community for the proposed characters is included?
   Yes
   Reference JCS Committee

4. The context of use for the proposed characters
   Common
   If Yes, where? Reference Enclosed

5. Are the proposed characters in current use by the user community?
   Yes
   If Yes, where? Reference Enclosed

6. After giving due considerations to the principles in “Principles and Procedures” document must the proposed characters be entirely in the BMP?
   Yes
   If Yes, is a rationale provided? Yes
   If Yes, Reference See above

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

10. Does the proposal include use of combining characters and/or use of composite sequences?
    No

11. Does the proposal contain characters with any special properties such as control function or similar semantics?
    No

D. SC2/WG2 Administrative
To be completed by SC2/WG2

1. Relevant SC2/WG2 document numbers:

2. Status (list of meeting number and corresponding action or disposition)

3. Additional contact to user communities, liaison organizations etc.

4. Assigned category and assigned priority/time frame

Other Comments
This document proposes sixteen characters used in the Japanese publishing field, and discusses the rationale for their inclusion.

The final draft Japanese Industrial Standard, JIS X0213 is being developed in Japan, and it will be published by the end of this year. The new standard will include all characters in this proposal, so the adoption of them is very important in the view to keep upward compatibility with the Japanese products.

The proposed characters are used generally in any publications and newspapers.

The characters proposed to be added here are given below, with proposed code positions. The proposal summary form is appended thereafter.

**GENERAL PUNCTUATION**

- 2047: DOUBLE QUESTION MARK
- 204E: DOUBLE HYPHEN
- 2050: LEFT DOUBLE PARENTHESIS
- 2051: RIGHT DOUBLE PARENTHESIS
- 2052: CIRCLED DOT
- 2053: DOUBLE ASTE

**MISCELLANEOUS SYMBOLS**

- 2616: WHITE SHOGI PIECE
- 2617: BLACK SHOGI PIECE
- 2618: RETURN SIGN

**CJK SYMBOLS AND PUNCTUATION**

- 303B: ITERATION MARK
- 303C: MASU MARK
- 303D: KATAKANA DIGRAPH KOTO
A. Administrative
1. Title
   Addition of sixteen characters used in publishing
2. Requester's name
   JCS Committee, JSA
3. Requester type (Member body/Liaison/Individual contribution)
   Individual contribution
4. Submission date
   1999-07-15
5. Requester's reference (if applicable)
   Final Draft JIS X0213 (to appear)
6. This is a complete proposal
   Yes

B. Technical - General
1a. This proposal is for a new script ? Name ?
   No.
1b. The proposal is for addition of character(s) to an existing block ? Name ?
   Yes.
   GENERAL PUNCTUATION
   MISCELLANEOUS SYMBOLS
   CJK SYMBOLS
   EXTENDED CJK
2. Number of characters in proposal
   GENERAL PUNCTUATION: 6
   MISCELLANEOUS SYMBOLS: 3
   CJK SYMBOLS: 3
   EXTENDED CJK: 4
3. Proposed category
   A
4. Proposed level of implementation and rationale
   1
   Is a rationale provided for the choice ?  Yes
   If Yes, reference: Enclosed
5. Is a repertoire including character names provided ?
   Yes
5a. Are the names in accordance with the 'character naming guidelines' in Annex K of ISO/IEC 10646-1 ?
Yes
5b. Are the character shapes attached in a reviewable form?
Yes

6. Who will provide the appropriate computerized font for publishing the standard?
JCS Committee
If available now, identify source(s) for the font and indicate the tools used.
96 x 96 dots bitmap

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

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

C. Technical - Justification
1. Has this proposal for addition of character(s) been submitted before?
   No

2. Has contact been made to members of the user community?
   Yes
   If Yes, with whom? Japan book publishers Association, Japanese community of Newspaper
   If Yes, available relevant documents? Enclosed

3. Information on the user community for the proposed characters is included?
   Yes
   Reference JCS Committee

4. The context of use for the proposed characters
   Common
   If Yes, where? Reference Enclosed

5. Are the proposed characters in current use by the user community?
   Yes
   If Yes, where? Reference Enclosed

6. After giving due considerations to the principles in “Principles and Procedures” document must the proposed characters be entirely in the BMP?
   Yes
   If Yes, is a rationale provided? Yes
   If Yes, Reference See above

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 ?
Yes

If Yes, is a rationale for its inclusion provided ? Yes
If Yes, reference Enclosed

9. Can any of the proposed character(s) be considered to be similar (in appearance of function) to an existing character ?
No

10. Does the proposal include use of combining characters and/or use of composite sequences ?
No

11. Does the proposal contain characters with any special properties such as control function or similar semantics ?
No

D. SC2/WG2 Administrative
To be completed by SC2/WG2
1. Relevant SC2/WG2 document numbers:

2. Status (list of meeting number and corresponding action or disposition)

3. Additional contact to user communities, liaison organizations etc.

4. Assigned category and assigned priority/time frame

Other Comments