

ISO/IEC JTC 1/SC 2/WG 2
PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS
FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 10646¹

A. Administrative

1. **Title:** **Mathematical Horizontal Bracket Characters**
2. Requester's name: Murray Sargent III
3. Requester type (Member body/Liaison/Individual contribution): Member body
4. Submission date: August 3, 2004, modified September 12, 2005
5. Requester's reference (if applicable):
6. Choose one of the following:
This is a complete proposal: Yes
or, More information will be provided later:

B. Technical - General

1. Choose one of the following:
- a. This proposal is for a new script (set of characters): _____
Proposed name of script: _____
- b. The proposal is for addition of character(s) to an existing block: Yes
Name of the existing block: Miscellaneous Technical
2. Number of characters in proposal: 6
3. Proposed category (select one from below - see section 2.2 of P&P document):
A-Contemporary B.1-Specialized (small collection) _____ B.2-Specialized (large collection) _____
C-Major extinct _____ D-Attested extinct _____ E-Minor extinct _____
F-Archaic Hieroglyphic or Ideographic _____ G-Obscure or questionable usage symbols _____
4. Proposed Level of Implementation (1, 2 or 3) (see Annex K in P&P document): 3
Is a rationale provided for the choice? _____
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 L of P&P document? Yes
b. Are the character shapes attached in a legible form suitable for review? Yes
6. Who will provide the appropriate computerized font (ordered preference: True Type, or PostScript format) for publishing the standard? Microsoft Corporation
If available now, identify source(s) for the font (include address, e-mail, ftp-site, etc.) and indicate the tools used: (fake for the moment using corresponding EastAsian characters)
7. References:
- a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided? Yes
b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached? No, but references are readily available.
8. Special encoding issues:
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)?
Presentation is explained.
9. Additional Information:
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 <http://www.unicode.org/Public/UNIDATA/UCD.html> and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.

¹ Form number: N2652-F (Original 1994-10-14; Revised 1995-01, 1995-04, 1996-04, 1996-08, 1999-03, 2001-05, 2001-09, 2003-11)

C. Technical - Justification

1. Has this proposal for addition of character(s) been submitted before? No
 If YES explain _____
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? Mathematical community
 If YES, available relevant documents: The TeXbook and the MathType User Manual
3. Information on the user community for the proposed characters (for example: size, demographics, information technology use, or publishing use) is included? Mathematics communities
 Reference: _____
4. The context of use for the proposed characters (type of use; common or rare) Technical documents
 Reference: The TeXbook and the MathType User Manual
5. Are the proposed characters in current use by the user community? Yes
 If YES, where? Reference: The TeXbook and the MathType User Manual
6. After giving due considerations to the principles in the P&P document must the proposed characters be entirely in the BMP? Yes
 If YES, is a rationale provided? Yes
 If YES, reference: see below
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? They are similar to EastAsian compatibility brackets.
 If YES, is a rationale for its inclusion provided? Yes
 If YES, reference: see below
9. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters? Not ideally
 If YES, is a rationale for its inclusion provided? Yes
 If YES, reference: see below
10. Can any of the proposed character(s) be considered to be similar (in appearance or function) to an existing character? Yes
 If YES, is a rationale for its inclusion provided? Yes
 If YES, reference: see below
11. Does the proposal include use of combining characters and/or use of composite sequences? 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? No
 If YES, reference: _____
12. 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) _____
13. Does the proposal contain any Ideographic compatibility character(s)? No

