INTERNATIONAL ORGANIZATION FOR STANDARDIZATION
ORGANISATION INTERNATIONALE DE NORMALISATION
ISO/IEC JTC 1/SC 2/WG 2

Universal Multiple-Octet Coded Character Set
(UCS)

ISO/IEC JTC 1/SC 2/WG 2 *N 1877*
1998-09-21

Title:	**New Annex - Request for Collection Ids - in Principles and Procedures document**
Source:	**V.S. Umamaheswaran**
References:	**N726**
Action:	**To be considered by SC 2/WG 2 at M35**
Distribution:	**ISO/IEC JTC 1/SC 2/WG 2**

4.   Collection Identification

Technical Corrigendum No. 2 to ISO/IEC 10646-1 defines collections (clause 4.11 collection, and clause 4.17 fixed collection). A *collection* is a set of coded characters which is numbered and named and which consists of those coded characters whose code positions lie within one or more identified ranges. If any of the identified ranges include code positions to which no character is allocated, the repertoire of the collection will change if an additional character is assigned in the standard to any of these positions in the future. However, it is intended that the collection number and name will remain unchanged (even if the repertoire increases). A *fixed collection* is a collection in which every code position within the identified range(s) has a character allocated to it, and which is intended to remain unchanged -- the repertoire remains fixed. Several collections -- some are fixed collections marked by an '*' in the positions column -- are defined in Annex A of ISO/IEC 10646-1.

WG2 has accepted the following recommendations from the ad hoc on collection identifiers at WG 2 meeting 34 (see N1726):

A. Annex A in Part 1 will be the home for all collection identifiers and their names for collections that are entirely within Part 1 (BMP) or span both Part 1 and Part 2 (BMP and supplementary planes) of ISO/IEC 10646.

B. Annex A in Part 1 will mark a block of numbers in it as reserved for identifying collections that are entirely within Part 2 (supplementary planes) of ISO/IEC 10646.

C. An Annex in Part 2 should be created, similar to Annex A in Part 1, containing the list of collection identifiers, collection names for collections that are entirely within Part 2. Also, some text should be added in this Annex to refer the readers to Annex A in Part 1 for the other collection identifiers in the standard.

A collection identifier and collection name are usually assigned whenever a new script gets added to the standard. A collection could be referenced in an application by its identifier or as a collection of collections by enumerating the collection identifiers or collection names. However, there may be situations where an application needs a single identifier for a specific collection that is not readily identified in the standard or a reference an enumeration of collections is not acceptable.

Annex E   Request for new collection identifiers

Request For Collection Identifier
For A Sub-Repertoire Of ISO/IEC 10646

Date: _____

SOURCE: _____

Email address of source: _____

Phone number of source: _____

Fax number of source: _____

Address of Source: _____

_____

_____

_____

_____

_____

WG 2 SPONSOR: _____

(Preferably a member body or liaison organization of ISO/IEC JTC 1 or its subcommittees and working groups)

SUBMITTER's REFERENCE: _____

SUBMITTER AND THE SPONSOR SHOULD DO THE FOLLOWING:

A. Ensure that no existing collection identified with a Collection Identifier in ISO/IEC 10646-1 satisfies their needs. If a single collection does not exist, ensure that an enumeration of two or more identified collections cannot satisfy the need.

B. Ensure that the proposed collection of characters is a true subset of the repertoire of characters of ISO/IEC 10646 (including all its amendments and corrigenda). The list of character names in Annex E of ISO/IEC 10646-1 can be used as an aid. If any character is NOT currently encoded in the standard, that character should be submitted for inclusion in the standard, following the guidelines documented in Section 1 and in Annex A of this document.

C. Prepare a list of ranges or individual code positions from ISO/IEC 10646 (including all its amendments and corrigenda) in each plane, and in each row.
    (Note: Only Group 00, Plane 00 are defined to date. Planes 1, 2 and 14 are being defined as part of ISO/IEC 10646-2 by ISO/IEC JTC 1/SC 2/WG 2).

D. Decide if the collection is to be marked as a Fixed collection (see section 4 of this document).

E. Prepare a background document, including the rationale and intended use of the collection and forward it to the Convener of ISO/IEC JTC 1/SC 2/WG 2 for consideration, acceptance and assignment of a Collection Identifier by WG 2.

An example format of the proposal for collection definition (modelled after the specificiation for collection *301 BMP-AMD.7* collection in TCOR.2 to ISO/IEC 10646 - see SC2 N3082) is given below:

Collection Name: <u>EXAMPLE COLLECTION</u>

(Note: The example is based on an input document on Latin Characters from ISO/IEC 6937:1994, from Mr. Johan van Wingen, Netherlands)
Collection to be marked as Fixed (Yes / No): <u>YES</u>

Plane *00*

<u>Rows</u>	<u>Positions (Cells)</u>
00	*20-7E, A0-FF*
01	*00-13 16-2B 2E-4D 50-7E*
02	*C7 D8-DB DD*
1E	*80-85 F2 F3*
20	*15 18 19 1C 1D*
21	*22 26 5B-5E 90-93*
26	*6A*

WG 2 ADMINISTRATIVE:
    ACCEPTED:
        Reference:
            Amendment number: or edition: _____;
            Resolution number: _____
    REJECTED:
        Reference:
            Document containing response to submitter:
            WG 2 document no.:_____;
            Resolution number: _____