

ISO-IEC JTC1/SC2/WG2
**Universal Multiple-Octet Coded Character Set
(UCS)**

JTC1/SC2/WG2/IRG **N 321**

Date : 1996-04-17

TITLE : Report on IRG Activities and Requirements

Source : Zhang Zhoucai, IRG Rapporteur

Requested

Actions : for WG2's Consideration and Discussion at its 30th Meeting
in Copenhagen

1. Vertical Extension

Versions:

Draft 1.0 Released on 19, June, 1995

Draft 2.0 Released on 17, August, 1995

Draft 3.0 Released on 23, November, 1995

Draft 3.1 Released on 27, January, 1996 (Dropped)

Draft 4.0 Released on 10, March, 1996 (Electronic form only)

Draft 4.1 Released on 18, April, 1996

Status of the Current Version (Draft 4.1):

- **All belong to category "A"**
- **Under reviewing by IRG Editorial Working Group;**
- **Justifications have been made, especially on each unique ideographs**

At its #6 meeting, IRG has resolved to adapt the following criteria for level I: (**IRG #6 / Resolution 9**)

- a. ideographs categorized as A by member body, or unifiable with category A.
- b. source ideograph set listed in Annex of ISO/IEC 10646-1 : 1993
- c. at least two members have requested. (unified core)
- d. for those unique ones they must satisfy one of the following criteria :
 1. national standard specifications
 2. documented in official / contemporary files
 3. exist in modern dictionaries
 4. used by IT vendors

In addition to this,

IRG has clarified the Rationale for the categorization: (**IRG #6/ Resolution 10**)

Level I: Level I contains those ideographs which are frequently used and comply to resolution 9.

Level II: Level II contains those ideographs which are less frequently used than those assigned to Level 1.

Level III: Level III contains those ideographs belonging to category A which are recognized necessary for literature, research, education, dictionaries, book printing and so on. Those ideographs belonging to category B proposed by some member bodies are considered unifiable with those in category A.

● Likely to be finalized by the end of June, at IRG #7.

Vertical Extension Level I : 6608

	G_ Hanzi	T_ Hanzi	J_ Kanji	K_ Hanja	S_ Hanzi	V_ Nom	Sub Total
Unifiable	3573	4472	571	1553	97	116	4532
Unique	166	1356	94	292	168	0	2076
Total	3739	5828	665	1845	265	116	6608

Vertical Extension Level I I: 301(K & S)

Vertical Extension Level III: 3613 (G5 & T4)

2. Internal/Horizontal Supplementation

Draft 3.0 Released on 19, June, 1995

Draft 4.0 Released on 17, August, 1995

Draft 5.0 Released on 25, January, 1996

Status of the Current Version:

- G,T and K columns have been extended internally
- V (Vietnamese ChuNom) has been added as a new column
- IRG #6 Meeting requested to change the source code set TE to be T3 and T4 as an action item

- Further instruction from WG2 is wanted concerning the Internal/Horizontal Supplementation.

Rapporteur's Note: IRG 5th meeting has expressed IRG's willingness that IRG would be able to

"Provide the final code table of ideographs for ISO/IEC 10646-1 with high resolution including Internal/Horizontal supplement and Vertical Extension, when requested by ISO/IEC JTC1/SC2/WG2."

IRG has not not received response from WG2 yet.

3. Ideographic Components and Composition

There are 4 resolutions reached at IRG #6 meeting.
See IRG N315 (WG2 N ____) and IRG N310 (WG2 N ____).

IRG#6 / Resolution 2: IRG has decided that components proposed from each member organization can be considered in the component repertoire only if the selection of the components satisfies the following criteria:

- A. They do not exist in ISO/IEC 10646-1:1993;
- B. They do not exist in Vertical Extension 3.0 Level I (IRG N263);
- C. They do not exist in IRG N302;
- D. Every effort should be made to minimize the proposed set.

IRG#6 / Resolution 3: IRG has decided to accept structure symbols for composition scheme(s) as new control characters and continue the discussion of Components and Composition Schemes in this group.

IRG#6 / Resolution 4: IRG has decided to establish the repertoire of the proposed components and submit it to WG2 at a later date (Reference IRG N310).

IRG#6 / Resolution 5: IRG has concluded to define new control characters for composition schemes and request WG2 to include them into ISO/IEC 10646-1 (Reference IRG N310).

Hope that IRG's contributions may push the discussion forward at WG2.

The IRG Radicals and the "Additional Ideographic Components" are being processed within IRG. It would be able to fix and submit them to WG2 before WG2 31st meeting or later.

Rapporteur's Estimation: The code space needed by the above Ideographic Components/ Composition would be -

- Less than 10 code points for not encoded IRG Radicals
- Less than **512** code points for the additional components
- **12~13** code points for Ideographic Structure Symbols (Control functions)

4. CJK Annex

5. The Future IRG Meetings

IRG#6 / Resolution 7: IRG has decided to hold its IRG #7 meeting in The Chinese University of Hong Kong, June 24-28, 1996.

IRG#6 / Resolution 8: IRG has decided to hold IRG #8 meeting in Singapore Jan. 13-17, 1997, one week ahead of WG2's scheduled meeting.

5. Other Activities

- IRG will nominate the next Rapportuer at its 7th meeting
- IRG will create its FTP site in Hongkong Chinese University

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