JTC1/SC2/WG2 N__.
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ISO-IEC JTC1/SC2/WG2/IRG
Ideographic Rapporteur Group

Source : IRG
Meeting: At ISS, Singapore
Title : Supplement to Ideographic Components and Composition Schemes

Reference documents:
N310, N409 (N365) , N406 (N366), N407 (N367)

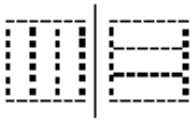
1. The sequence definitions given in this document are in BNF (Backus Normal Form) and use prefix notation. They are evaluated from left to right in order to avoid ambiguity.

2. The "Combined Ideograph Sequence" (CIS) is renamed "Structured Ideograph Sequence" (SIS).

   The definition of SIS is defined as follows:
   SIS::=<symbol2><SIS1><SIS1>|<symbol3><SIS1><SIS1><SIS1>
   <SIS1> ::= <SIS> | <ideograph_component>
   <ideograph_component>::= coded_ideograph | coded_radical | coded_component
   <symbol2> ::= LTR | ATB | OVA | DTE | UTE | RTE | RDE | LDE | RUE
   or

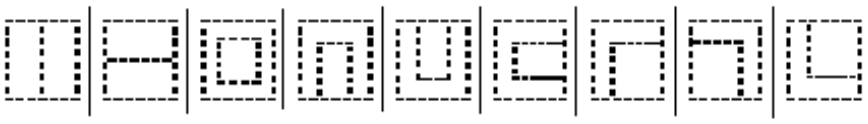
   <symbol3> ::= LMR|AMB or

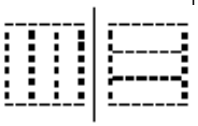
3. Ideograph Variation Sequence (IVS) is an ideograph structured sequence with Ideographic Variation Mark and its definition is

IVS::=<symbol1><IVS11>|<symbol2><IVS1><IVS1>|
<symbol3><IVS1><IVS1><IVS1>
<IVS1> ::= <IVS>|<ideograph_component>
<ideograph_component>::= coded_ideograph | coded_radical | coded_component
<symbol1> ::= VAR or

<symbol2> ::= LTR | ATB | OVA | DTE | UTE | RTE | RDE | LDE | RUE
or



<symbol3> ::= LMR |AMB or



4. For electronic processing, we defined a Canonical Ideographic Structure Sequence (CSIS) for a given ideograph. CSIS's are used to decompose ideographs uniquely.

A CSIS is either a coded ideograph, or an SIS which conforms the following additional rules:

It contains no Ideograph Variation Marks.

All structure operators are as far leftwards as possible.

The character is decomposed right-to-left, bottom-to-top, and inside-to-outside, selecting the largest possible component at each stage.