



IRG N584

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Universal Multiple-Octet Coded Character Set (UCS) - ISO/IEC 10646
Secretariat: ANSI

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[Editor's note: The following text is prepared on the assumption that the 12 characters in this PDAM are assigned to Row 20 of the BMP, in the Block GENERAL PUNCTUATION.]

Page 84. TABLE 35 - Row 20: GENERAL PUNCTUATION

Insert the following graphic character symbols at the indicated positions in the table, replacing the existing entries which are indicated by a hatched fill.

2048	
2049	
204A	
204B	
204C	
204D	
204E	
204F	
2050	
2051	
2052	
2053	

Insert the following graphic character names at the indicated positions in the table, replacing the existing entries which read "(This position shall not be used)".

hex	Name
48	IDEOGRAPHIC DESCRIPTION CHARACTER LEFT TO RIGHT
49	IDEOGRAPHIC DESCRIPTION CHARACTER ABOVE TO BELOW
4A	IDEOGRAPHIC DESCRIPTION CHARACTER LEFT TO MIDDLE AND RIGHT
4B	IDEOGRAPHIC DESCRIPTION CHARACTER ABOVE TO MIDDLE AND BELOW
4C	IDEOGRAPHIC DESCRIPTION CHARACTER OVERALL AROUND
4D	IDEOGRAPHIC DESCRIPTION CHARACTER DOWN TO ENCOMPASS
4E	IDEOGRAPHIC DESCRIPTION CHARACTER UP TO ENCOMPASS
4F	IDEOGRAPHIC DESCRIPTION CHARACTER RIGHT TO ENCOMPASS
50	IDEOGRAPHIC DESCRIPTION CHARACTER RIGHT DOWN ENCOMPASS
51	IDEOGRAPHIC DESCRIPTION CHARACTER LEFT DOWN ENCOMPASS
52	IDEOGRAPHIC DESCRIPTION CHARACTER RIGHT UP ENCOMPASS
53	IDEOGRAPHIC DESCRIPTION CHARACTER EMBEDMENT

Add the following text at the end of the Annex.

D.3 Ideographic description sequences

An Ideographic Description Character (IDC) is a graphic character, which is used with a sequence of other graphic characters to form an Ideographic Description Sequence (IDS). Such a sequence may be used to describe an ideographic character which is not specified within this International Standard.

The IDS describes the ideograph in the abstract form. It is not interpreted as a composed character and does not have any rendering implication.

The twelve IDCs that are defined here are assigned to code positions 0000 0248 to 0000 0253.

D3.1 Syntax of an IDS

An IDS consists of an IDC followed by a fixed number of Description Components (DC). A DC may be any one of the following:

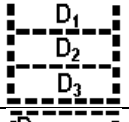
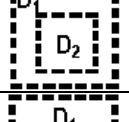
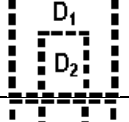
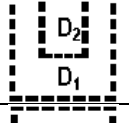
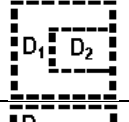
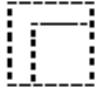
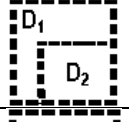
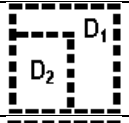
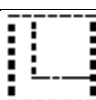
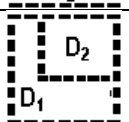
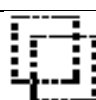
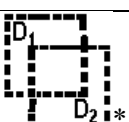
- A coded ideograph
- A coded radical
- A coded ideographic component
- Another IDS

Each IDC has 3 properties as summarized in Table-XXX below.

- The number of DCs used in the IDS that commences with that IDC,
- The definition of the proper usage of the IDC,
- The relative positions of the DCs in the visual representation of the ideograph that is being described in its abstract form.

The syntax of the IDS introduced by each IDC is indicated in the "IDS syntax" column of the table by the abbreviated name of the IDC (e.g.IDC-LTR) followed by two or three numbered DCs (DC1, DC2, DC3).

Table XXX

Symbol	Name (Acronym)	# of DCs	IDS Syntax	Relative positions of DCs
	IDEOGRAPHIC DESCRIPTION CHARACTER LEFT TO RIGHT (IDC-LTR)	2	IDC-LTR D1 D2	
	IDEOGRAPHIC DESCRIPTION CHARACTER ABOVE TO BELOW (IDC-ATB)	2	IDC-ATB D1 D2	
	IDEOGRAPHIC DESCRIPTION CHARACTER LEFT TO MIDDLE AND RIGHT (IDC-LMR)	3	IDC-LMR D1 D2 D3	
	IDEOGRAPHIC DESCRIPTION CHARACTER ABOVE TO MIDDLE AND BELOW (IDC-AMB)	3	IDC-AMB D1 D2 D3	
	IDEOGRAPHIC DESCRIPTION CHARACTER OVERALL AROUND (IDC-OVA)	2	IDC-OVA D1 D2	
	IDEOGRAPHIC DESCRIPTION CHARACTER DOWN TO ENCOMPASS (IDC-DTE)	2	IDC-DTE C1 C2	
	IDEOGRAPHIC DESCRIPTION CHARACTER UP TO ENCOMPASS (IDC-UTE)	2	IDC-UTE D1 D2	
	IDEOGRAPHIC DESCRIPTION CHARACTER RIGHT TO ENCOMPASS (IDC-RTE)	2	IDC-RTE D1 D2	
	IDEOGRAPHIC DESCRIPTION CHARACTER RIGHT DOWN ENCOMPASS (IDC-RDE)	2	IDC-RDE D1 D2	
	IDEOGRAPHIC DESCRIPTION CHARACTER LEFT DOWN ENCOMPASS (IDC-LDE)	2	IDC-LDE D1 D2	
	IDEOGRAPHIC DESCRIPTION CHARACTER RIGHT UP ENCOMPASS (IDC-RUE)	2	IDC-RUE D1 D2	
	IDEOGRAPHIC DESCRIPTION CHARACTER EMBEDMENT (IDC-EMB)	2	IDC-EMB D1 D2	

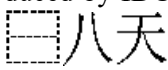
*Note: D1 and D2 are overlapping with each other. This graphic symbol does not imply at all that D1 is on the top left corner and D2 is on the bottom right corner.

D3.2 Descriptions of the ideographic description characters.

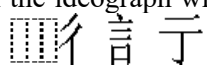
IDEOGRAPHIC DESCRIPTION CHARACTER LEFT TO RIGHT:

The IDS introduced by IDC-LTR describes the abstract form of the ideograph with D1 on the left-hand side and D2 on the right-hand side.  is an example of an IDS which represents the abstract form of .

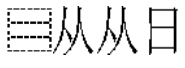
IDEOGRAPHIC DESCRIPTION CHARACTER ABOVE TO BELOW:

The IDS introduced by IDC-ATB describes the abstract form of the ideograph with D1 on top of D2.  is an example of an IDS which represents the abstract form of .

IDEOGRAPHIC DESCRIPTION CHARACTER LEFT TO MIDDLE AND RIGHT:

The IDS introduced by IDC-LMR describes the abstract form of the ideograph with D1 on the left-hand side of D2, and D2 on the left-hand of D3.  is an example of an IDS which represents the abstract form of .

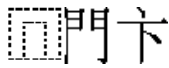
IDEOGRAPHIC DESCRIPTION CHARACTER ABOVE TO MIDDLE AND BELOW:

The IDS introduced by IDC-AMB describes the abstract form of the ideograph with D1 on top of D2, and D2 on top of D3.  is an example of an IDS which represents the abstract form of .

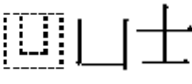
IDEOGRAPHIC DESCRIPTION CHARACTER OVERALL AROUND:

The IDS introduced by IDC-OVA describes the abstract form of the ideograph with D1 outside of D2.  is an example of an IDS which represents the abstract form of .

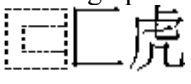
IDEOGRAPHIC DESCRIPTION CHARACTER DOWN TO ENCOMPASS:

IDC-DTE describes the abstract form of the ideograph with D1 on top of D2, and D2 is encompassed by D1.  is an example of an IDS which represents the abstract form of .

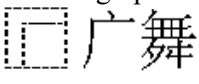
IDEOGRAPHIC DESCRIPTION CHARACTER UP TO ENCOMPASS:

The IDS introduced by IDC-UTE describes the abstract form of the ideograph with D1 on top of D2, and D2 is encompassed by D1.  is an example of an IDS which represents the abstract form of .

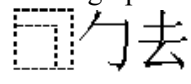
IDEOGRAPHIC DESCRIPTION CHARACTER RIGHT TO ENCOMPASS:

The IDS introduced by IDC-RTE describes the abstract form of the ideograph with D1 on the left-hand side of D2, and D2 is encompassed by D1.  is an example of an IDS which represents the abstract form of .

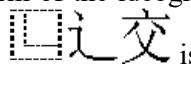
IDEOGRAPHIC DESCRIPTION CHARACTER RIGHT DOWN ENCOMPASS:

The IDS introduced by IDC-RDE describes the abstract form of the ideograph with D1 on top and left corner of D2, and D2 is encompassed by D1.  is an example of an IDS which represents the abstract form of .

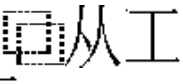
IDEOGRAPHIC DESCRIPTION CHARACTER LEFT DOWN ENCOMPASS:

The IDS introduced by IDC-LDE describes the abstract form of the ideograph with D1 on the right top corner of D2, and D2 is encompassed by D1.  is an example of an IDS which represents the abstract form of .

IDEOGRAPHIC DESCRIPTION CHARACTER RIGHT UP ENCOMPASS:

The IDS introduced by IDC-RUE describes the abstract form of the ideograph with D1 on left bottom corner of D2, and D2 is encompassed by D1.  is an example of an IDS which represents the abstract form of .

IDEOGRAPHIC DESCRIPTION CHARACTER EMBEDMENT:

The IDS introduced by IDC-EMB describes the abstract form of the ideograph with D1 and D2 overlaying each other.  is an example of an IDS which represents the abstract form of .

Page 729, Annex E.

After the entry IDEOGRAPHIC DEPARTING TONE MARK insert the character names from the list given under "Page 86" above in alphabetical order.

IDEOGRAPHIC DESCRIPTION CHARACTER ABOVE TO BELOW

IDEOGRAPHIC DESCRIPTION CHARACTER ABOVE TO MIDDLE AND BELOW

IDEOGRAPHIC DESCRIPTION CHARACTER DOWN TO ENCOMPASS

IDEOGRAPHIC DESCRIPTION CHARACTER EMBEDMENT

IDEOGRAPHIC DESCRIPTION CHARACTER LEFT DOWN ENCOMPASS

IDEOGRAPHIC DESCRIPTION CHARACTER LEFT TO MIDDLE AND RIGHT

IDEOGRAPHIC DESCRIPTION CHARACTER LEFT TO RIGHT

IDEOGRAPHIC DESCRIPTION CHARACTER OVERALL AROUND

IDEOGRAPHIC DESCRIPTION CHARACTER RIGHT UP ENCOMPASS

IDEOGRAPHIC DESCRIPTION CHARACTER RIGHT DOWN ENCOMPASS

IDEOGRAPHIC DESCRIPTION CHARACTER RIGHT TO ENCOMPASS

IDEOGRAPHIC DESCRIPTION CHARACTER UP TO ENCOMPASS