

# DRAFT AMENDMENT ISO/IEC 10646: DAM 2

ISO/IEC JTC 1/SC 2

Secretariat: JISC

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2015-10-06

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## Information technology — Universal Coded Character Set (UCS)

### AMENDMENT 2: Bhaiksuki, Marchen, Tangut, and other characters

*Technologies de l'information — Jeu universel de caractères codés (JUC)*

AMENDEMENT 2

ICS: 35.040

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Amendment 2 to ISO/IEC 10646:2014 was prepared by Joint Technical Committee ISO/IEC JTC1, *Information technology*, Subcommittee SC 2, *Coded character sets*.

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# Information technology — Universal Coded Character Set (UCS) —

## AMENDMENT 2: Bhaiksuki, Marchen, Tangut, and other characters

### Page 5 Sub-clause 4.25 extended collection

*In the Note 3, insert 'typically' between 'are' and 'referenced'.*

### Page 12 Sub-clause 6.4 Naming of character

*In the list, insert the following new items after c) and adjust the next list item numbers accordingly:*

d) follows the rule given in 25.7 for Tangut ideographs, or

### Page 29 Sub-clause 23.1 List of source references

*In the list of Hanzi G sources, insert the following new sources:*

GFC Modern Chinese Standard Dictionary (现代汉语规范词典第二版。主编：李行健。北京：外语教学与研究出版社) 2010, ISBN : 978-7-5600-9518-9

GGFZ Tongyong Guifan Hanzi Zidian (通用规范汉字字典)

*In the list of Kanji J sources, replace '2000' with '2004' for the J3 and J4 sources. Modify the J3A entry to read:*

J3A JIS X 0213:2004 level-3 addendum from JIS X 0213:2000 level-3

*Add the following entries:*

J3B JIS X 0213:2004 level-3 characters replacing J1 characters

J3C JIS X 0213:2004 level-3 characters replacing JA characters

J4B JIS X 0213:2004 level-4 characters replacing J1 characters

J4C JIS X 0213:2004 level-4 characters replacing JA characters

*Replace all J1 and JA sources that are also included in JIS X 0213:2004 by the values defined in JIS X 0213:2004 using the prefixes described above (J3B, J3C, J4B, and J4C). This represents 85 original JA sources and 2743 original J1 sources.*

*After the list of J sources, add the following notes:*

NOTE 3 – When a source such as JIS X 0213:2004 includes encoded characters already included in older referenced sources, the more recent source references are typically used to reflect contemporary usage. This also reflects the fact that some of these more recent references were accompanied by minor adjustment for the graphic representation of the related characters.

NOTE 4 – J Sources that have been partially superseded (J1 and JA) are described in Annex A (see A.4.3 and A4.4). They can also be found as provisional sources in the Unihan

Data base in <http://www.unicode.org/reports/tr38/> fully described as kJis1 for J1: JIS X 0212-1990 and kJA for the JA source.

In Table 5: Format details of the tags used in the source reference file for CJK Ideographs, in the line for *kIRG\_GSource*, insert the additional third field format values:

GFC-ddd, and GGFZ-dddddd.

in the line for *kIRG\_JSource*, insert the additional third field format values:

J3B-hhhh, J3C-hhhh, J4B-hhhh, and J4C-hhhh.

In the same Table 5, in the last row, remove the last sentence starting by “Only the first Radical-Stroke” from the fourth paragraph.

Insert new source references for the new 9 characters part of CJK Unified Ideographs.

Perform the additional updates to the source references:

- Move U+3D1D H source to U+2A3ED,
- Remove U+4CA4 H source (already moved to U+9FD0),
- Replace U+2AD12 U source with T source: TE-353F,
- Remove U+2B08F U source,
- Replace U+2F949 T source with U source: UCI-01199.

Provide a new reference file with updated references.

(The following text is identical to ISO/IEC 10646:2014 but is linked to the new file)

[Click on this highlighted text to access the reference file.](#)

NOTE – The content is also available as a separate viewable file in the same file directory as this document. The file is named: “CJKSrc.txt”.

## Page 32 Sub-clause 23.2 Source references file for CJK Ideographs

In the third paragraph starting with ‘The Format definition’, replace ‘LINE TABULATION control character (000B)’ by ‘CHARACTER TABULATION control character (0009)’.

## Page 37 Before Clause 24 Character names and annotations

Insert new clause, table, and figure as follows, renumbering the following clauses, tables, and figures:

### 24 Source references for Tangut Ideographs

#### 24.1 List of source references

A Tangut ideograph is always referenced by one source reference. These source references are provided in a machine-readable format that is accessible as a link from this document. The content pointed by these links is also normative.

The source reference information establishes the character identity for Tangut ideographs. A source reference is established by associating a Tangut ideograph code point with one value in the source standards listed below. The Tangut sources are:

- |         |  |
|---------|--|
| H2004-A | Hán Xiǎománg 2004 (PhD dissertation on the correct form of Tangut ideographs), H1 sub-division |
| H2004-B | Hán Xiǎománg 2004 (PhD dissertation on the correct form of Tangut ideographs), H2 sub-division |

L1986	Lǐ Fàn wén 1986 (Study of the Homophones)
L1997	Lǐ Fàn wén 1997 (Tangut-Chinese Dictionary, 1 <sup>st</sup> edition)
L2006	Lǐ Fàn wén 2006 (Comparative Study of Wuyin Qieyun and Wenhai Baoyun)
L2008	Lǐ Fàn wén 2008 (Tangut-Chinese Dictionary, 2 <sup>nd</sup> edition)
N1966	Nishida 1966 (Little Dictionary of Tangut)
S1968	Sofronov 1968 (Grammar of the Tangut Language)

## 24.2 Source reference file for Tangut Ideographs

The content linked to is a plain text file, using ISO/IEC 646-IRV characters with CARRIAGE RETURN/LINE FEED as end of line mark. The file specifies the sources references data for all Tangut Ideographs. The file also contains information concerning Radical-Stroke index. Each line in the text file contains the following information organized in three fields:

- 1<sup>st</sup> field: UCS code point in the format (U+hhhhh)
- 2<sup>nd</sup> field: Tag indicating the type of information in the third field (kTGT\_MergedSrc, kRSTUnicode)
- 3<sup>rd</sup> field: Information corresponding to the tag value specified by the second field. The Table 6 provides the format details.

The format definition for the first field uses 'h' as a hexadecimal unit. The three fields are delimited by a CHARACTER TABULATION control character (0009). Comment lines, starting with a NUMBER SIGN ('#') are informational only. Comment lines and blank lines in the text file should be ignored by any automatic process which parses the data file to extract the source reference information.

**Table 6: Format details of the tags used in the source reference file for Tangut ideographs**

Tag Value	Tag description	Third field format
kTGT_MergedSrc	Tangut source	(H2004-A-dddd), (H2004-B-dddd), (L1986-dddd), (L1997-dddd), (L2006-dddd), (L2008-dddd), (L2008-dddd-dddd), (N1966-ddd-dxx), or (S1968-dddd)
kRSTUnicode	Radical Stroke index	(d{1,3}.d{1,2})

The format definition uses 'd' as a decimal unit, and 'x' as an alphanumeric unit (0 to 9 and A to Z). Uppercase characters, digits and all other symbols between parentheses appear as shown.

The Radical-Stroke index (d{1,3}.d{1,2}) is an informative field contains one construct: a radical index (one to three digits), followed by a full stop, and ending by one or two digits for the stroke count. The stroke count includes all strokes for the character, including the radical. The radical index is an entry on the Tangut Components block at 18800-18AFF, with the index '1' representing the code point 18800.

NOTE – Concerning Lǐ Fàn wén 2008 entries, the notation (L2008-dddd) denotes a character mapped to a single entry while the notation (L2008-dddd-dddd) denotes a character mapped to two entries.

The following examples shows file entries for the Tangut ideographs 17000, 17001, 17A7A, and 17E91.

### EXAMPLES

```

U+17000      kTGT_MergedSrc      L2008-0008
U+17000      kRSTUnicode        1.6
U+17001      kTGT_MergedSrc      L2008-0030
U+17001      kRSTUnicode        1.7

U+17A7A      kTGT_MergedSrc      N1966-204-10GG
U+17A7A      kRSTUnicode        139.14

U+17E91      kTGT_MergedSrc      L2008-2027-2350
U+17E91      kRSTUnicode        257.10

```

[Click on this highlighted text to access the reference file.](#)

NOTE – The content is also available as a separate viewable file in the same file directory as this document. The file is named: “TangutSrc.txt”.

### 24.3 Source reference presentation for Tangut Ideographs

The code charts for Tangut ideographs show one graphic symbol per character, along with additional information related to their identity such as radical, stroke count, and numeric value of the various source references.

The graphic representation for the radical is shown immediately below the code point, along with the radical number and the stroke count. That stroke count includes the radical itself.

NOTE – The radicals shown in this representation are part of the Tangut Components block at 18800-18AFF.

The figure 7 shows an example for characters 177D0-177D2, 177E4-177E6, 177F8-177FA, 1780C-1780E, and 17820-17822

177D0 𐍇 104.20 𐍇 L2008-4336	177E4 𐍇 106.9 𐍇 L2008-0714	177F8 𐍇 109.10 𐍇 L2008-1847	1780C 𐍇 110.8 𐍇 L2008-4585	17820 𐍇 110.10 𐍇 L2008-4644
177D1 𐍇 104.20 𐍇 L2008-4239	177E5 𐍇 106.9 𐍇 L2008-1868	177F9 𐍇 109.10 𐍇 L2008-1691	1780D 𐍇 110.8 𐍇 L2008-4580	17821 𐍇 110.10 𐍇 L2008-4669
177D2 𐍇 104.20 𐍇 L2008-4119	177E6 𐍇 106.10 𐍇 L2008-0598	177FA 𐍇 109.10 𐍇 L2008-1645	1780E 𐍇 110.8 𐍇 L2008-4509	17822 𐍇 110.10 𐍇 L2008-4636

Figure 7 – Chart presentation for TANGUT IDEOGRAPHS

### Page 37 Clause 24 Character names and annotations

The clause is now renumbered 25. Insert one new sub-clause after 25.6 Character names for CJK Ideographs and renumber the following sub-clause accordingly.

#### 25.7 Character names for Tangut Ideographs

For Tangut ideographs the names are algorithmically constructed by appending their coded representation in their five hexadecimal digit notation to “TANGUT IDEOGRAPH-”. For example, the first Tangut Ideograph has the name “TANGUT IDEOGRAPH-17000”.

### Page 47 Sub-Clause 31.2 Code chart

The sub-clause is now renumbered 32.2. Replace the two last sentences starting with “Code charts” with: Code charts for CJK ideographs and Tangut ideographs have different formats. See Clause 23 and 24.

### Page 47-2380 Clause 31, Code charts and list of character names

The clause is now renumbered 32.

## 1. Modifications to existing blocks

Insert the additional character glyphs and names at the indicated positions in the blocks given below.

Plane 00

Arabic Extended-A



Kannada  
 Malayalam  
 Currency Symbols  
 Miscellaneous Technical  
 Supplemental Punctuation  
 CJK Unified Ideographs  
 Latin Extended-D  
 Saurashtra

Plane 01

Ancient Greek Numbers  
 Khojki  
 Miscellaneous Symbols and Pictographs  
 Emoticons  
 Transport and Map Symbols

*These blocks contain new characters and names at the following code positions:*

08B6-08BD 08D4-08E2 0C80 0D4F 0D54-0D56 0D58-0D5E 0D76-0D78 20BE 23FB-23FE 2E43-2E44 9FCD-9FD5 A7AE A8C5 1018D-1018E 1123E 1F32D-1F32F 1F37E-1F37F 1F3CF-1F3D3 1F3F8-1F3FF 1F4FF 1F54B-1F54E 1F643-1F644 1F6D0

*updated graphic representation at the following code positions:*

19B0-19C0, 19C8-19C9, 1301C, 3127, 3D1D, 4CA4, 7921, 2AD12, and 2B08F.

## 2. New blocks

*Insert the following additional blocks:*

Plane 00

Cyrillic Extended-C

Plane 01

Osage  
 Mongolian Supplement  
 Bhaiksuki  
 Marchen  
 Tamil Supplement  
 Ideographic Symbols and Punctuation  
 Tangut  
 Tangut Components  
 Glagolitic Supplement  
 Supplemental Symbols and Pictographs

*These blocks add new characters and names at the following code positions:*

1C80-1C88 104B0-104D3 104D8-104FB 11660-1166C 11C00-11C08 11C0A-11C36 11C38-11C45 11C50-11C6C 11C70-11C8F 11C92-11CA7 11CA9-11CB6 11FC0-11FF5 11FFF 16FE0 17000-187ED 18800-18AF0 1E000-1E006 1E008-1E018 1E01B-1E021 1E023-1E024 1E026-1E02A 1F910-1F918 1F980-1F984 1F9C0

**Page 2381, Annex A.1**

Add a **\*\*** (for fixed collection) for the following collection:

1046 EMOTICONS

In the list of collection numbers and names, after

165 LATIN EXTENDED-E

insert a new entry as follows:

166 CYRILLIC EXTENDED-C                      1C80-1C8F

In the list of collection numbers and names, after

1092 SUTTON SIGNWRITING

insert new entries as follows:

1093 OSAGE	104B0-104FF
1094 MONGOLIAN SUPPLEMENT	11660-1167F
1095 BHAIKSUKI	11C00-11C6F
1096 MARCHEN	11C70-11CBF
1097 TAMIL SUPPLEMENT	11FC0-11FFF
1098 IDEOGRAPHIC SYMBOLS AND PUNCTUATION	16FE0-16FFF
1099 TANGUT	17000-187EF
1100 TANGUT COMPONENTS	18800-18AFF
1101 GLAGOLITIC SUPPLEMENT	1E000-1E02F
1102 SUPPLEMENTAL SYMBOLS AND PICTOGRAPHS	1F900-1F9FF

In the list of collection numbers and names, after

314 UNICODE 7.0

insert a new entry as follows:

315 UNICODE 8.0                      see A.6.14 \*

In the list of collection numbers and names, after

372 JAPANESE IDEOGRAPHICS SUPPLEMENT

insert a new entry as follows:

373 JAPANESE IT VENDORS CONTEMPORARY IDEOGRAPHS-1993                      see A.4.4 \*

**Page 2385, annex A.1**

In the alphabetical list of keywords in Note 3, add the value 166 to the Cyrillic entry, the value 1094 to the Mongolian, the value 1097 to the Tamil entry, the value 1098 to the Punctuation entry and the Symbols entry respectively, the value 1101 to the Glagolitic entry, the value 1102 to the Symbols entry, the values 2003, 2004, and 2005 to the CJK entry; and insert the following entries:

Bhaiksuki	1095
Marchen	1096
Osage	1093
Tangut	1099 1100

**Page 2387, Annex A.2.1**

In the list of blocks in the BMP, insert the following new entry:

CYRILLIC EXTENDED-C	1C80-1C8F
---------------------	-----------

**Page 2388, Annex A.2.2**

In the list of blocks in the SMP, insert the following new entries:

OSAGE	104B0-104FF
MONGOLIAN SUPPLEMENT	11660-1667F
BHAIKSUKI	11C00-11C6F
MARCHEN	11C70-11CBF
TAMIL SUPPLEMENT	11FC0-11FFF
IDEOGRAPHIC SYMBOLS AND PUNCTUATION	
	16FE0-16FFF
TANGUT	17000-187EF
TANGUT COMPONENTS	18800-18AFF
GLAGOLITIC SUPPLEMENT	1E000-1E02F
SUPPLEMENTAL SYMBOLS AND PICTOGRAPHS	
	1F900-1F9FF

**Page 2393, Annex A.4**

Replace Annex A.4.2 and A.4.3 as follows:

**A.4.2 371 JIS2004 IDEOGRAPHS EXTENSION**

The fixed collection 371 JIS2004 IDEOGRAPHS EXTENSION consists of all level 3 and level 4 CJK characters defined in JIS X 0213:2004. It contains 3 695 characters.

The code points of this collection are identified by 1 249 J3 Kanji J sources, 10 J3A Kanji J sources, and 2 436 J4 Kanji J sources in the Source Reference file for CJK Unified Ideographs (CJKSrc.txt). See 23.1 and 23.2 for details.

**A.4.3 372 JAPANESE IDEOGRAPHS SUPPLEMENT**

The fixed collection 372 JAPANESE IDEOGRAPHS SUPPLEMENT consists of all CJK characters defined in JIS X 0212:1990. It contains 5 801 characters

NOTE 1 – Given its large size and the large number of sparse ranges, the collection is not specified by code point ranges in this document but instead by a linked content. 2 742 characters are common between the collections 371 and 372.

The content linked to is a plain text file, using ISO/IEC 646-IRV characters with CARRIAGE RETURN/LINE FEED as end of line mark, which specifies, after a 3-lines header, as many lines as characters in the collection; each containing the following information in fixed length field:

- BMP code point (hhhh), normative.

The format definition uses 'h' as a hexadecimal unit. Digits between parentheses appear as shown.

[Click on this highlighted text to access the reference file.](#)

NOTE 2 – The content is also available as a separate viewable file in the same file directory as this document. The file is named: "JIS-X-0212-1990.txt".

**A.4.4 373 JAPANESE IT VENDORS CONTEMPORARY IDEOGRAPHS-1993**

The fixed collection 373 JAPANESE IT VENDORS CONTEMPORARY IDEOGRAPHS-1993 consists of all CJK characters defined in the Unified Japanese IT Vendors Contemporary Ideographs, 1993 set. It contains 660 characters

NOTE 1 – Given its large size and the large number of sparse ranges, the collection is not specified by code point ranges in this document but instead by a linked content.

The content linked to is a plain text file, using ISO/IEC 646-IRV characters with CARRIAGE RETURN/LINE FEED as end of line mark, which specifies, after a 3-lines header, as many lines as characters in the collection; each containing the following information in fixed length field:

- BMP code point (hhhh), normative.

The format definition uses 'h' as a hexadecimal unit. Digits between parentheses appear as shown.

[Click on this highlighted text to access the reference file.](#)

NOTE 2 – The content is also available as a separate viewable file in the same file directory as this document. The file is named: "JA-IT-Vendors-1993.txt".

## Page 2409, Annex A.6

Add a new Annex A.6.14 as follows:

### A.6.14 315 UNICODE 8.0

The fixed collection 315 UNICODE 8.0 is arranged by planes as follows.

#### Plane 00

Row	Values within row		
00	20-7E A0-FF	18	00-0E 10-19 20-77 80-AA B0-F5
01-02	0100-02FF	19	00-1E 20-2B 30-3B 40 44-6D 70-74 80-AB B0-C9 D0-DA DE-FF
03	00-77 7A-7F 84-8A 8C 8E-A1 A3-FF	1A	00-1B 1E-5E 60-7C 7F-89 90-99 A0-AD B0-BE
04	00-FF	1B	00-4B 50-7C 80-F3 FC-FF
05	00-2F 31-56 59-5F 61-87 89-8A 8D-8F 91-C7	1C	00-37 3B-49 4D-7F C0-C7 D0-F6 F8-F9
	D0-EA F0-F4	1D	00-F5 FC-FF
06	00-1C 1E-FF	1E	00-FF
07	00-0D 0F-4A 4D-B1 C0-FA	1F	00-15 18-1D 20-45 48-4D 50-57 59 5B 5D 5F-7D 80-B4 B6-C4 C6-D3 D6-DB DD-EF F2-F4 F6-FE
08	00-2D 30-3E 40-5B 5E A0-B4 E3-FF	20	00-64 66-71 74-8E 90-9C A0-BE D0-F0
09	00-83 85-8C 8F-90 93-A8 AA-B0 B2 B6-B9 BC-C4 C7-C8 CB-CE D7 DC-DD DF-E3 E6-FB	21	00-8B 90-FF
0A	01-03 05-0A 0F-10 13-28 2A-30 32-33 35-36 38-39 3C 3E-42 47-48 4B-4D 51 59-5C 5E 66-75 81-83 85-8D 8F-91 93-A8 AA-B0 B2-B3 B5-B9 BC-C5 C7-C9 CB-CD D0 E0-E3 E6-F1 F9	22	00-FF
0B	01-03 05-0C 0F-10 13-28 2A-30 32-33 35-39 3C-44 47-48 4B-4D 56-57 5C-5D 5F-63 66-77 82-83 85-8A 8E-90 92-95 99-9A 9C 9E-9F A3-A4 A8-AA AE-B9 BE-C2 C6-C8 CA-CD D0 D7 E6-FA	23	00-FA
0C	00-03 05-0C 0E-10 12-28 2A-39 3D-44 46-48 4A-4D 55-56 58-5A 60-63 66-6F 78-7F 81-83 85-8C 8E-90 92-A8 AA-B3 B5-B9 BC-C4 C6-C8 CA-CD D5-D6 DE E0-E3 E6-EF F1-F2	24	00-26 40-4A 60-FF
0D	01-03 05-0C 0E-10 12-3A 3D-44 46-48 4A-4E 57 5F-63 66-75 79-7F 82-83 85-96 9A-B1 B3-BB BD C0-C6 CA CF-D4 D6 D8-DF E6-EF F2-F4	25	00-FF
0E	01-3A 3F-5B 81-82 84 87-88 8A 8D 94-97 99-9F A1-A3 A5 A7 AA-A8 AD-B9 BB-BD C0-C4 C6 C8-CD D0-D9 DC-DF	26	00-FF
0F	00-47 49-6C 71-97 99-BC BE-CC CE-DA	27	00-FF
10	00-C5 C7 CD D0-FF	28-2A	2800-2AFF
11	00-FF	2B	00-73 76-95 98-B9 BD-C8 CA-D1 EC-EF
12	00-48 4A-4D 50-56 58 5A-5D 60-88 8A-8D 90-B0 B2-B5 B8-BE C0 C2-C5 C8-D6 D8-FF	2C	00-2E 30-5E 60-F3 F9-FF
13	00-10 12-15 18-5A 5D-7C 80-99 A0-F5 F8-FD	2D	00-25 27 2D 30-67 6F-70 7F-96 A0-A6 A8-AE B0-B6 B8-BE C0-C6 C8-CE D0-D6 D8-DE E0-FF
14-15	1400-15FF	2E	00-42 80-99 9B-F3
16	00-9C A0-F8	2F	00-D5 F0-FB
17	00-0C 0E-14 20-36 40-53 60-6C 6E-70 72-73 80-DD E0-E9 F0-F9	30	00-3F 41-96 99-FF
		31	05-2D 31-8E 90-BA C0-E3 F0-FF
		32	00-1E 20-FE
		33	00-FF
		34-4C	3400-4CFF
		4D	00-B5 C0-FF
		4E-9F	4E00-9FD5
		A0-A3	A000-A3FF
		A4	00-8C 90-C6 D0-FF
		A5	00-FF
		A6	00-2B 40-F7
		A7	00-AD B0-B7 F7-FF
		A8	00-2B 30-39 40-77 80-C4 CE-D9 E0-FD
		A9	00-53 5F-7C 80-CD CF-D9 DE-FE
		AA	00-36 40-4D 50-59 5C-C2 DB-F6

AB	01-06 09-0E 11-16 20-26 28-2E 30-65 70-ED F0-F9	FB	00-06 13-17 1D-36 38-3C 3E 40-41 43-44 46- C1 D3-FF
AC-D6	AC00-D6FF	FC	00-FF
D7	00-A3 B0-C6 CB-FB	FD	00-3F 50-8F 92-C7 F0-FD
E0-F8	E000-F8FF	FE	00-19 20-52 54-66 68-6B 70-74 76-FC FF
F9	00-FF	FF	01-BE C2-C7 CA-CF D2-D7 DA-DC E0-E6 E8- EE F9-FD
FA	00-6D 70-D9		

Plane 01

<u>Row</u>	<u>Values within row</u>		
00	00-0B 0D-26 28-3A 3C-3D 3F-4D 50-5D 80-FA	44-46	4400-4646
01	00-02 07-33 37-8C 90-9B A0 D0-FD	68-69	6800-69FF
02	80-9C A0-D0 E0-FB	6A	00-38 40-5E 60-69 6E-6F D0-ED F0-F5
03	00-23 30-4A 50-7A 80-9D 9F-C3 C8-D5	6B	00-45 50-59 5B-61 63-77 7D-8F
04	00-9D A0-A9	6F	00-44 50-7E 8F-9F
05	00-27 30-63 6F	B0	00-01
06	00-FF	BC	00-6A 70-7C 80-88 90-99 9C-A3
07	00-36 40-55 60-67	D0	00-F5
08	00-05 08 0A-35 37-38 3C 3F-55 57-9E A7-AF E0-F2 F4-F5 FB-FF	D1	00-26 29-E8
09	00-1B 1F-39 3F 80-B7 BC-CF D2-FF	D2	00-45
0A	00-03 05-06 0C-13 15-17 19-33 38-3A 3F-47 50-58 60-9F C0-E6 EB-F6	D3	00-56 60-71
0B	00-35 39-55 58-72 78-91 99-9C A9-AF	D4	00-54 56-9C 9E-9F A2 A5-A6 A9-AC AE-B9 BB BD-C3 C5-FF
0C	00-48 80-B2 C0-F2 FA-FF	D5	00-05 07-0A 0D-14 16-1C 1E-39 3B-3E 40-44 46 4A-50 52-FF
0E	60-7E	D6	00-A5 A8-FF
10	00-4D 52-6F 7F-C1 D0-E8 F0-F9	D7	00-CB CE-FF
11	00-34 36-43 50-76 80-CD D0-DF E1-F4	D8-D9	D800-D9FF
12	00-11 13-3D 80-86 88 8A-8D 8F-9D 9F-A9 B0- EA F0-F9	DA	00-8B 9B-AF
13	00-03 05-0C 0F-10 13-28 2A-30 32-33 35-39 3C-44 47-48 4B-4D 50 57 5D-63 66-6C 70-74	E8	00-C4 C7-D6
14	80-C7 D0-D9	EE	00-03 05-1F 21-22 24 27 29-32 34-37 39 3B 42 47 49 4B 4D-4F 51-52 54 57 59 5B 5D 5F 61-62 64 67-6A 6C-72 74-77 79-7C 7E 80-89 8B-9B A1-A3 A5-A9 AB-BB F0-F1
15	80-B5 B8-DD	F0	00-2B 30-93 A0-AE B1-BF C1-CF D1-F5
16	00-44 50-59 80-B7 C0-C9	F1	00-0C 10-2E 30-6B 70-9A E6-FF
17	00-19 1D-2B 30-3F	F2	00-02 10-3A 40-48 50-51
18	A0-F2 FF	F3	00-FF
1A	C0-F8	F4	00-FF
20-22	2000-22FF	F5	00-79 7B-A3 A5-FF
23	00-99	F6	00-D0 E0-EC F0-F3
24	00-6E 70-74 80-FF	F7	00-73 80-D4
25	00-43	F8	00-0B 10-47 50-59 60-87 90-AD
30-34	3000-342E	F9	10-18 80-84 C0

Plane 02

<u>Row</u>	<u>Values within row</u>
00-A6	0000-A6D6
A7-B6	A700-B6FF
B7	00-34 40-FF
B8	00-1D 20
B9-CD	B900-CDFF
CE	00-A1
F8-FA	F800-FA1D

Plane 0E

<u>Row</u>	<u>Values within row</u>
00	01 20-7F
01	00-EF

Plane 0F

<u>Row</u>	<u>Values within row</u>
00-FF	0000-FFFD

Plane 10