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ISO/IEC JTC 1/SC 2

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SOURCE: ISO/IEC JTC 1/SC 2/WG 2

PROJECT: JTC 1.02.18

STATUS: In accordance with Resolution M10.03 of the SC 2 plenary meeting

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business plan.

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*A Standard Organization accredited by JISC

Title: Graphic representation of the Roadmap to the BMP, Plane 0 of the UCS

Source: Ad hoc group on Roadmap

Status: Expert contribution

Date: 2000-10-01

Action: For confirmation by ISO/IEC JTC1/SC2/WG2

Replaces: N2213

The following tables comprise a real-size map of Plane 0, the BMP (Basic Multilingual Plane) of the UCS (Universal Character Set). To print the HTML document it may be necessary to set the print percentage to 90% as the tables are wider than A4 or US Letter paper. The tables are formatted to use the Times font.

The following conventions are used in the table to help the user identify the status of the proposals here (colours can be seen in the updated HTML version of this document, http://www.egt.ie/standards/iso10646/bmp-roadmap-table.html. The PDF version of this document http://www.dkuug.dk/jtc1/sc2/wg2/docs/n2313.pdf is probably more convenient for printing.

- Bold text indicates an allocated (that is, ballotted and published) character collection.
- (Bold text between parentheses) indicates scripts which have been accepted for processing as an amendment to the standard.
- (Text between parentheses) indicates scripts for which proposals have been submitted to WG2 or the UTC.
- ¿Text beween question marks? indicates scripts for which detailed proposals have not yet been written.
 ??? in a block indicates that no suggestion has been made regarding the block allocation.

NOTE: With regard to the revision practice employed in this document, when scripts are actually proposed to WG2 or to the UTC, the practice is to "front" them in the zones to which they are tentatively allocated, and to adjust the block size with regard to the allocation proposed.

The size and location of the unallocated script blocks are merely proposals based on the current state of planning. The size and location of a script may change during final allocation of the script.

NOTE: As far as is possible, half-row (128) boundaries are observed in planning.

Areas containing RTL scripts, as well as the Surrogates Zone and the Private Use Zone are shaded grey here informatively.

This document is being maintained and updated as a service to ISO/IEC JTC1/SC2/WG2 and the Unicode Technical Committee. Versions formally submitted to WG2 contain a document number in the header. The most recent WG2 document is available on the WG2 website, as N2213.

	0 1 2 3 4	5	6	7	8 9		A B C D E F			
00	Basic	c Latin	Latin 1 Supplement							
01	Latin Extended	d-A			Latin Extended-B					
02	Latin Extended-B		IP.	A Exte	nsions Spacing Modifiers					
03	Combining Diacritic	cs					Greek			
04			C	yrillic						
05	(Cyrillic Suppl.)	Arme	nian				Hebrew			
06			A	rabic	•					
07	<u>Syriac</u>	???	(<u>Phoer</u>	nician)		Γha	nana ??? ??? ??? ???			
08	(Avestan) (Ar	amaic)	???	???	(<u>Tifi</u>	nagl	h) ¿Samaritan? ???? ???			
09	Devanagari				Bengali					
0A	Gurmukhi				Gujarati					
0B	Oriya				Tamil					
0C	Telugu				Kannada					
0D	Malayalam				<u>Sinhala</u>					
0E	Thai				Lao					
0F			T	<u>ibetan</u>						
10	<u>Mya</u> ı	<u>nmar</u>			Georgian					
11			Han	gul Jar	no					
12			E	thiopic						
13	Ethiopic (Eth.Ext.) Cherokee									
14	<u>Un</u>	ified Ca	anadiai	n Abor	iginal S	lla	bics			
15	Un	ified Ca	anadiaı	n Abor	riginal S	lla	bics			

16	Unified Canadian Aboriginal	Syllabics	;	<u>Ogham</u>		<u>Runic</u>			
17	(Tagalog) (Hanunóo) (Buhid)	Khmer							
18	Mongol			(<u>Chan</u>					
19	(Tai Le) ??? ¿Paha		<u>¿Viêt T</u>		???	???			
1A	(New Tai Lü (New Xishuangbanna Dai)		`	shuangbanna Dai		???			
1B	(Buginese) ¿Javanese			(<u>N</u>		anipuri)		isu?	
1C	(Batak) (Kirat/Limb		.0		¿Siddh		???	???	
1D	(<u>Lepcha</u>)	¿Kayah I		dditional	¿'Phags	s-pa ?	???	???	
1E 1F			k Exter						
20	General Punctuation	Gree		s/Supers	C	ırrency Dia	ac Sx	mbs.	
21	Letterlike Symbols	Number		3/Supers		Arrows	ac. by	11105.	
22		Mathem		vmbols		IIIOWS			
23		Miscellar							
24	Control Pictures OCR				d Alph	anumerics			
25	Box Drawing			Blocks		Geometric Sha	apes		
26	-	Miscella	neous S						
27		Dingbats				???	???	???	
28			le Patte	erns					
29	(Supplemental Arrows	s)		(Miscell	aneous	Mathematical	Symb	ools)	
2A	(Suppler	nental M	athema	tical Opera	ito <u>rs</u>)				
2B	(<u>Glagolitic</u>)	???	???	(Old Hung	arian)	??? ??? ???	???	???	
2C	(Ethiopic Extended)	???	???	(Ol Cemet') (Sorang Sng.) ??? ??					
2D	¿ <u>Newari</u> ?	???	???	(<u>Varang Kshiti</u>)					
2E	<u>¿Chakma</u> ?	???	???		CJ	IK Radicals			
2F	K	angxi Ra	dicals				???	IDC	
30	CJK Syms. & Punct.	Hira				Katakana			
31	Bopomofo Hangul Con		•		Ext.B	<u> </u>	???	(Kk.)	
32	Encl			rs & Month	S				
33	CW V		Compati						
34				hs Extension					
35				hs Extension					
37			<u> </u>	hs Extension					
38				hs Extension					
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3A				hs Extension					
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3E				hs Extensio					
3F	CJK U	nified Id	eograp	hs Extensio	n A				
40	CJK U	nified Id	eograp	hs Extensio	n A				
41	CJK U	nified Id	eograp	hs Extensio	n A				
42	CJK U	nified Id	eograp	hs Extensio	n A				
43				hs Extensio					
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45				hs Extensio					
46				hs Extensio					
47				hs Extensio					
48	CJK U	nified Id	eograp	hs Extensio	n A				

49	CJK Unified Ideographs Extension A
4A	CJK Unified Ideographs Extension A
4B	CJK Unified Ideographs Extension A
4C	CJK Unified Ideographs Extension A
4D	CJK Unified Ideographs Extension A ???? ???? ????
4E	CJK Unified Ideographs
4F	CJK Unified Ideographs
50	CJK Unified Ideographs
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75	CJK Unified Ideographs
76	CJK Unified Ideographs
77	CJK Unified Ideographs
78	CJK Unified Ideographs
79	CJK Unified Ideographs
7A	CJK Unified Ideographs
7B	CJK Unified Ideographs
	COLL CHILLY AUGUSTUPIN

7C	CJK Unified Ideographs					
7D	CJK Unified Ideographs					
7E	CJK Unified Ideographs					
7F	CJK Unified Ideographs					
80	CJK Unified Ideographs					
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88	CJK Unified Ideographs					
89	CJK Unified Ideographs					
8A	CJK Unified Ideographs					
8B	CJK Unified Ideographs					
8C	CJK Unified Ideographs					
8D	CJK Unified Ideographs					
8E	CJK Unified Ideographs					
8F	CJK Unified Ideographs					
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9C	CJK Unified Ideographs					
9D	CJK Unified Ideographs					
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A0 A1	Yi					
A2	Yi					
	Yi					
A3 A4						
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A5	¿Yi Extensions?					
A6	¿Yi Extensions?					
A7	·					
A8	¿Yi Extensions?					
A9	¿Yi Extensions?					
AA	¿Yi Extensions?					
AB	???					
AC	Hangul Syllables					
AD	Hangul Syllables					
AE	Hangul Syllables					

AF	Hangul Syllables
B0	Hangul Syllables
B1	Hangul Syllables
B2	Hangul Syllables
В3	Hangul Syllables
B4	Hangul Syllables
B5	Hangul Syllables
B6	Hangul Syllables
B7	Hangul Syllables
B8	Hangul Syllables
B9	Hangul Syllables
BA	Hangul Syllables
BB	Hangul Syllables
BC	Hangul Syllables
BD	Hangul Syllables
BE	Hangul Syllables
BF	Hangul Syllables
C0	Hangul Syllables
C1	Hangul Syllables
C2	Hangul Syllables
C3	Hangul Syllables
C4	Hangul Syllables
C5	Hangul Syllables
C6	Hangul Syllables
C7	Hangul Syllables
C8	Hangul Syllables
C9	Hangul Syllables
CA	Hangul Syllables
СВ	Hangul Syllables
CC	Hangul Syllables
CD	
CE	Hangul Syllables
CF	Hangul Syllables
D0	Hangul Syllables
D1	Hangul Syllables
D2	Hangul Syllables
D3	Hangul Syllables
D4	Hangul Syllables
D5	Hangul Syllables
D6	Hangul Syllables
D7	Hangul Syllables ??? ??? ??? ??? ???
D8	High-half zone of UTF-16
D9	High-half zone of UTF-16
DA	High-half zone of UTF-16
DB	High-half zone of UTF-16
DC	Low-half zone of UTF-16
DD	Low-half zone of UTF-16
DE	Low-half zone of UTF-16
DF	Low-half zone of UTF-16
E0	Private Use Zone
E1	Private Use Zone

E2	Private Use Zone							
ЕЗ	Private Use Zone							
E4	Private Use Zone							
E5	Private Use Zone							
E6	Private Use Zone							
E7	Private Use Zone							
E8	Private Use Zone							
E9	Private Use Zone							
EA	Private Use Zone							
EB	Private Use Zone							
EC	Private Use Zone							
ED	Private Use Zone							
EE	Private Use Zone	Private Use Zone						
EF	Private Use Zone							
F0	Private Use Zone							
F1	Private Use Zone							
F2	Private Use Zone							
F3	Private Use Zone							
F4	Private Use Zone							
F5	Private Use Zone							
F6	Private Use Zone							
F7	Private Use Zone							
F8	Private Use Zone							
F9	CJK Compatibility Ideographs							
FA	CJK Compatibility Ideographs							
FB	Alphabetic Pres. Forms Arabic Presentation Forms A							
FC	Arabic Presentation Forms A							
FD	Arabic Presentation Forms A							
FE	(Var.) ??? Half CJKcomp Small Arabic Presentation Forms B							
FF	Halfwidth & Fullwidth Forms	Sp.						

Go to the main UCS Roadmap page

 ${\it Michael Everson}, \ \ \underline{\it everson@egt.ie} \ \ , \ Dublin, \ 2000-10-01$

Title: Graphic representation of the Roadmap to the SMP, Plane 1 of the

Source: Ad hoc group on Roadmap

Status: Expert contribution

Date: 2000-03-28

Action: For confirmation by ISO/IEC JTC1/SC2/WG2

Replaces: N2114

The following tables comprise a real-size map of Plane 1, the SMP (Secondary Multilingual Plane) of the UCS (Universal Character Set). To print the HTML document it may be necessary to set the print percentage to 90% as the tables are wider than A4 or US Letter paper. The tables are formatted to use the Times font.

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NOTE: As far as is possible, half-row (128) and four-row (1024) boundaries are observed in planning.

Some scripts have been investigated and rejected as unsuitable for encoding at the present state of knowledge about them.

- Proto-Sinaitic

For several scripts there is not enough data to make much of a guess as to where they might go:

- Jiagu (Bone and Shell) script
- Sidetic
- Tamil Granta (probably extension of Tamil)
- Tartaria (Romanian ideographs)

Plane 1 is tentatively mapped out to the following zones.

```
00010000-000102FF Aegean scripts
00010300-000107FF Alphabetic and syllabic LTR scripts
00010800-00010FFF Alphabetic and syllabic RTL scripts
00011000-000117FF Brahmic scripts
00011800-00011FFF African and other syllabic scripts
00012000-000127FF Scripts for invented languages
00012800-00012DFF Cuneiform and other Near Eastern scripts
00012E00-000133FF Undeciphered scripts
00013400-00013FFF North American ideographs and pictograms
00014000-00016BFF Egyptian and Mayan hieroglyphs
00016C00 00016FFF Sumerian pictograms
00017000-0001B3FF Large Asian scripts
0001B400-0001CFFF unassigned
0001D000-0001FFFD Notational systems
```

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	0	1	2	3	4	5	6	7	8	9	A	В	С	D	Е	F
00	(<u>A</u>	egean N	<u>lumbe</u>	<u>rs</u>)	(<u>Linear A</u>)											
01	(<u>Linear A</u>) ??? ???								777							

02	(<u>Linear B Syllabary</u>) ??? ???			(Linear B Ideograms)								
03	(Etruscan)		thic)	(Old Permic)			(Old Pers		(Ugaritic) ??? ???			
04	(Deser			(Osm	anya)	???	(<u>Pollard</u>)			(Shav		
05				rian?	¿Lyci			¿Orkhon/Yenisei?			???	???
06	¿Elbasan?		¿Bütha	kukye?	??	?	¿Bassa?	?		???		
07		?	??						???			
08	(<u>Cypriot</u>)		(<u>S.Ara</u>		(Merc		(<u>Balti</u>)	¿Mano		¿Manic		
09		thian?	_		¿Lydi		¿Numidian?	???	???	??? ???	???	???
0A		¿Sogdia	-	???	???	???		Uighئ			???	???
0B	¿Kha	roshthi?)		???	???		Proto	-Byblic	o? 		???
OC							amite?					
0D		2/	20		¿Pro	to-Ela	amite?		222			
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1D	¿Chinook?	???	???	???	???	???		¿Wolea	i/Caroli	ne?		???
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1F						???						一
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29							n Cuneiform?					
2A							n Cuneiform?					
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2C	¿Sumero-Akk	??? ¿Hittite Hieroglyphs/Luvian?										
2D	??? ??? ???	???	???	???		(In .1-		nerogiy	pns/Luv	vian!		
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32							ongo?					
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J+					62 xy iiia	1 a 1 u C	ograpiis:					

35	¿Aymara Ideographs?						
36	¿Aymara Ideographs?						
37	¿Aymara Ideographs?						
38	¿Aztec Pictograms?						
39	¿Aztec Pictograms?						
3A	¿Aztec Pictograms?						
3B	¿Aztec Pictograms?						
3C	¿Kauder/Micmac?						
3D	¿Kauder/Micmac?						
3E	??? ???						
3F	??? ???						
40	(Basic Egyptian Hieroglyphs)						
41	(Basic Egyptian Hieroglyphs)						
42	(Basic Egyptian Hieroglyphs)						
43	(<u>Alt. Form</u>) ??? ??? ??? ??? ??? ???						
44	(Egyptian Hieroglyphs Extended)						
45	(Egyptian Hieroglyphs Extended)						
46	(Egyptian Hieroglyphs Extended)						
47	(Egyptian Hieroglyphs Extended)						
48	(Egyptian Hieroglyphs Extended)						
49	(Egyptian Hieroglyphs Extended)						
4A	(Egyptian Hieroglyphs Extended)						
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56	(Egyptian Hieroglyphs Extended)						
57	¿Egyptian Hieroglyphs Extended-A?						
58	¿Egyptian Hieroglyphs Extended-A?						
59	¿Egyptian Hieroglyphs Extended-A?						
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68	¿Mayan Hiero	oglyphs?
69	???	???
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6C	¿Sumerian Pic	tograms?
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6E	¿Sumerian Pic	tograms?
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8B	???	???
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8D	¿Kitan Small Script?	¿Kitan Large Script?
8E	¿Kitan Large	Script?
8F	¿Kitan Large	Script?
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92	¿Kitan Large	Script?
93	¿Kitan Large	Script?
94	¿Kitan Large	Script?
95	¿Kitan Large	Script?
96	¿Kitan Large	Script?
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9B	¿Kitan Large Script?							
9C	¿Kitan Large Script?							
9D	¿Kitan Larş	¿Kitan Large Script?						
9E	¿Kitan Large Script?							
9F	¿Kitan Larş	¿Kitan Large Script?						
A0	¿Jurcl	hin?						
A1	¿Jurcl	hin?						
A2	Jurcl	hin?						
A3	Jurcl	hin?						
A4	Jurcl	hin?						
A5	Jurcl	hin?						
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 $\textit{Michael Everson}, \ \ \underline{\textit{everson@egt.ie}} \ \ \textit{, Dublin, 2000-03-28}$

Title: Graphic representation of the Roadmap to the SIP, Plane 2 of the UCS

Source: Ad hoc group on Roadmap

Status: Expert contribution

Date: 2000-03-28

Action: For confirmation by ISO/IEC JTC1/SC2/WG2

Replaces: N2115

The following tables comprise a real-size map of Plane 2, the SIP (Supplementary Plane for CJK Ideographs) of the UCS (Universal Character Set). To print the HTML document it may be necessary to set the print percentage to 90% as the tables are wider than A4 or US Letter paper. The tables are formatted to use the Times font.

The following conventions are used in the table to help the user identify the status of the proposals here (colours can be seen in the HTML version of this document, http://www.dkuug.dk/jtc1/sc2/wg2/docs/n2215.html. The PDF version of this document http://www.dkuug.dk/jtc1/sc2/wg2/docs/n2215.pdf is probably more convenient for printing.

- Bold text indicates an allocated (i.e. published) character collection (none as yet in Plane 2).
- (Bold text between parentheses) indicates scripts which have been accepted for processing toward inclusion in the standard.
- (Text between parentheses) indicates scripts for which proposals have been submitted to WG2 or the UTC.
- ¿Text beween question marks? indicates scripts for which detailed proposals have not yet been written.
 ??? in a block indicates that no suggestion has been made regarding the block allocation.

NOTE: With regard to the revision practice employed in this document, when scripts are actually proposed to WG2 or to the UTC, the practice is to "front" them in the zones to which they are tentatively allocated, and to adjust the block size with regard to the allocation proposed.

The size and location of the unallocated script blocks are merely proposals based on the current state of planning. The size and location of a script may change during final allocation of the script.

NOTE: As far as is possible, half-row (128) and four-row (1024) boundaries are observed in planning.

Plane 2 is tentatively mapped out to the following zones.

00020000-0002AAFF CJK Unified Ideographs Extension B) 0002AB00-0002FFFD unassigned

This document is being maintained and updated as a service to ISO/IEC JTC1/SC2/WG2 and the Unicode Technical Committee. Versions formally submitted to WG2 contain a document number in the header. The most recent WG2 document is available on the WG2 website, as N2215.

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Go to the main UCS Roadmap page

Michael Everson, everson@egt.ie, Dublin, 2000-03-28

Title: Graphic representation of the Roadmap to the GPP, Plane 14 of the

Source: Ad hoc group on Roadmap

Status: Expert contribution

Date: 2000-03-28

Action: For confirmation by ISO/IEC JTC1/SC2/WG2

Replaces: N2116

The following tables comprise a real-size map of Plane 14, the GPP (General Purpose Plane) of the UCS (Universal Character Set). To print the HTML document it may be necessary to set the print percentage to 90% as the tables are wider than A4 or US Letter paper. The tables are formatted to use the Times font.

The following conventions are used in the table to help the user identify the status of the proposals here (colours can be seen in the HTML version of this document, http://www.dkuug.dk/jtc1/sc2/wg2/docs/n2216.html. The PDF version of this document http://www.dkuug.dk/jtc1/sc2/wg2/docs/n2216.pdf is probably more convenient for printing.

- **Bold text** indicates an allocated (i.e. published) character collection (none as yet in Plane 14).
- (Bold text between parentheses) indicates scripts which have been accepted for processing toward inclusion in the
- (Text between parentheses) indicates scripts for which proposals have been submitted to WG2 or the UTC.
- ¿Text beween question marks? indicates scripts for which detailed proposals have not yet been written.
 ??? in a block indicates that no suggestion has been made regarding the block allocation.

NOTE: With regard to the revision practice employed in this document, when scripts are actually proposed to WG2 or to the UTC, the practice is to "front" them in the zones to which they are tentatively allocated, and to adjust the block size with regard to the allocation proposed.

The size and location of the unallocated script blocks are merely proposals based on the current state of planning. The size and location of a script may change during final allocation of the script.

NOTE: As far as is possible, half-row (128) and four-row (1024) boundaries are observed in planning.

Plane 14 is tentatively mapped out to the following zones.

00020000-0002007F Tag characters 00020080-0002FFFD unassigned

This document is being maintained and updated as a service to ISO/IEC JTC1/SC2/WG2 and the Unicode Technical Committee. Versions formally submitted to WG2 contain a document number in the header. The most recent WG2 document is available on the WG2 website, as N2216.

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Go to the main UCS Roadmap page

 ${\it Michael Everson}, \ \ \underline{\it everson@egt.ie} \ \ , \ Dublin, \ 2000-03-28$