ISO/IEC JTC 1/SC 2

CODED CHARACTER SETS

SECRETARIAT: JAPAN (JISC)

DOC TYPE: Summary of Voting/Table of Replies

TITLE: Summary of Voting on SC 2 N 3393, ISO/IEC CD 10646-2, Information Technology -- Universal Multiple-Octet Coded Character Set (UCS) --
Part 2: Secondary Multilingual Plane for scripts and symbols
Supplementary Plane for CJK Ideographs
Special Purpose Plane

SOURCE: Secretariat, ISO/IEC JTC 1/SC 2

PROJECT: JTC 1.02.18.02

STATUS: This document is forwarded to WG 2 for consideration. WG 2 is requested to prepare a disposition of comments report, revised text and a recommendation on further processing.

ACTION ID: ACT

DUE DATE:

DISTRIBUTION: P, O and L Members of ISO/IEC JTC 1/SC 2
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Summary of Voting on SC 2 N 3393

	Approve	Approve with comments	Disapprove	Abstain	No response	Comments
P-member						
Armenia					X	
Austria					X	
Belgium	X					
Brazil	X					
Canada	X					
China		X				Attachment 1
Denmark				X		
Egypt					X	
Finland			X*			Attachment 2
France					X	
Germany		X				Attachment 3
Greece		X				Attachment 4
Iceland					X	
India					X	
Iran, Islamic Republic of					X	
Ireland			X			To be submitted
Israel					X	
Italy	X					
Japan			X			Attachment 5
Korea Rep. of	X					
Mongolia	X					
Morocco					X	
Netherlands				X		Lack of Expertise
Norway	X					
Poland	X					
Romania	X					
Russian Federation					X	
Singapore			X*			Attachment 6
Slovenia					X	
Sweden			X*			Attachment 7
Thailand					X	
Tunisia					X	
Turkey					X	
UK		X				Attachment 8
USA		X				Attachment 9
Yugoslavia					X	
	9	5	5	2	15	
Total (36)	14		5	2	15	
O-member (if responding)						
Australia				X		Lack of Expertise
Portugal				X		

*=Acceptance of these reasons and appropriate changes in the text will change our vote to approval.

Attachment 1 – China

China is in favour of ISO/IEC/JTC1/SC2 N3393 with comments on Plane 2, Supplementary Plane for CJK Ideographs (CJK Unified Ideographs Extension B). And we will attach the comments to the accessory.

Unification Comments on Extension B

The following characters (in the most left column) found in Extension B should be removed for unification.

UCS code of the character that to be removed for unification	SuperCJK9.0 number of the character to be removed for unification	UCS code of the character that to be unified with	SuperCJK9.0 number of the character that to be unified with
2-144F	08099	0-578B	07798
2-18F8	10171	0-36FC	10062
2-210E	13336	0-5DE2	13332
2-2439	14550	0-5EFE	14549
2-2567	14978	0-38C7	14972
2-259E	15055	0-5F62	15040
2-274C	15793	0-6081	15922
2-2863	16359	0-60C7	16101
2-2CAB	18222	0-62FC	17889
2-2DEC	18852	0-63A9	18270
2-2EEA	19231	0-6477	18841
2-32F6	20818	2-32F6	20744
2-3373	21022	0-3B08	20962
2-35F9	22396	0-681F	21973
2-3655	22545	0-6914	22419
2-39CE	24098	2-3A18	24223
2-3A67	24342	0-3C4E	24345
2-3E01	25808	0-6CBF	25701
2-3E87	26132	0-6D85	26042
2-3FD4	26857	0-3D33	26770
2-42B3	28105	0-7070	28093
2-42C8	28171	0-707D	28119
2-442B	28800	2-438D	28537
2-46ED	29784	0-7250	29816
2-4798	30041	0-7280	30028
2-48AA	30464	2-4862	30328
2-4BBD	31865	0-7485	31671
2-4C74	32144	0-3F1B	32102
2-4D5D	32504	0-753E	32483
2-5193	34150	0-3F1B	34102
2-580B	36802	0-798F	36736
2-5BE8	38311	2-5BE3	38306
2-5BEA	38314	0-7AEE	38290
2-5CEA	38809	2-5CEB	38810
2-5E27	39336	0-4227	38960
2-5EAD	39515	2-5DC0	39168
2-61F9	40952	0-7DC7	40777

2-62EA	41355	0-7E45	41133
2-6474	42074	0-7F7A	42017
2-6F45	46664	0-84F1	46369
2-7225	47819	2-70F4	47365
2-74CA	48926	0-8728	48701
2-74F0	48991	0-8779	48904
2-8897	57229	2-887B	57184
2-8906	57386	0-911B	57250
2-8CE4	59306	0-9145	59100
2-9101	61143	0-96C3	61097
2-A176	67722	0-9CFD	67530
2-A401	68796	2-A3E9	68761
2-A676	69658	0-9F16	69650
2-4703	29809	2-4707	29814
2-60CF	40320	2-60C9	40314
2-6CF3	45601	0-83BD	45822
2-7D6E	52748	0-8CFF	52747
2-8709	56626	2-86E0	56580
2-0CC3	04924	0-5406	04886
2-2ADE	17327	0-621B	17322
2-4232	27909	0-701B	27789
2-5890	36985	0-79C4	36984
2-6D8F	45929	0-83FB	45928
2-0956	03641	0-52C7	03637
2-1439	08073	2-1438	08073
2-2FB6	19535	2-2FB5	19534
2-3FD4	26857	0-3D33	26770
2-6EC2	46469	0-4544	46901
2-92B9	61737	2-92BD	61741
2-A1C2	67853	2-A1AE	67815
2-A31A	68410	2-A31C	68412
2-A48D	68997	2-A48C	68996
2-A4AF	69039	2-A4AD	69037
2-A63A	69568	0-9F00	69562
2-0CDB	04983	0-5448	05018
2-2914	16668	0-614C	16509
2-2617	15317	0-5F9A	15317
2-5C0E	38360	0-8D11	53525
2-24EA	14798	2-0BF3	04614
2-1E0C	12058	0-5C6E	12057

2-255E(JPN 073) was withdrawn by Japan and should be removed from Ext. B.

2-2914 (KX1 0401.310; T6-5D26; SCJK9.0 16668) is unified to 0-614C (KX1 0398.090; T1-637D; SCJK9.0 16509) and is suggested to be put into the suggested CJK Compatibility Zone in Plane 2.

Glyph Comments on Extension B

The following glyphs found in Extension B are wrong.

Ext. Number	SCJK90 Number	Wrong Glyph	Right Glyph
2-0634	02410	顚	顚
2-0403	01565	俁	保
2-0AC4	04183	童	章
2-3995	24016	檋	檋
2-7ED8	53288	寊	寊
2-09DC	03855	匆	匂
2-5E60	39402	簑	簑
2-675C	43173	書	書
2-7E3D	53044	貅	貌
2-A7DB	70160	鐡	鐡
2-69FB	44328	朦	朦
2-0A73	04072	鼇	鼇
2-37B5	23285	馮	橋

Disunification Comments on Extension B

The following characters should be added in Extension B for disunification.

Character to be added	Counerpart's UCS code	Corresponding pairs in SuperCJK9.0	Suggested KXI Index of new character	More comments
亳	2-0279	G.XX T5-0502 / 亳 亳 — 11	0089.201	
矗	2-126A	G.KX T5-6847 / 矗 矗 口 19	0215.271	
嶕	2-20E7	G.KX T5-6287 / 嶕 嶕 山 21	0323.141	
敊	2-308B	G.KX T5-3271 / 敊 敊 攴 9	0474.131	
敊	2-3A9B	G.KX T5-5487 / 敊 敊 攴 9	0474.131	
敳	2-3102	G.KX T5-5487 / 敳 敳 攴 12	0475.321	
鼕	2-3AD9	G.KX T5-7267 / 鼕 鼕 止 20	0578.131	
璕	2-4BEC	TF-827D / HA-0608 / 璕 璕 15	0745.061	
薵	2-660A	G.KX T7-3726 / 薵 薵 老 9	0961.131	
茱	2-6D2C	G.KX T5-4658 / 茱 茱 9	1036.401	
蹢	2-8206	G.KX T7-3422 / 蹢 蹢 足 9	1338.081	
閮	2-8E9D	G.KX T5-544E / 閮 閮 門 8	1338.081	
剛	2-086C	G.KX T6-3248 / 剛 剛 刀 8	0142.281	

Character to be added	Counerpart's UCS code	Corresponding pairs in SuperCJK9.0	Suggested KXI Index of new character	More comments
劻	2-093A	G JK G KX 劻 劻 力 5	0147.071	
堀	2-156A	G JK G KX 堀 堀 土 13	0240.301	
夋	2-24BD	G JK G KX 夋 夋 大 4	0357.100	KXI index of 2-24BD shoulbe 0357.101
擤	2-2D93	G JK G KX 擤 擤 手	0582.351	
秦	2-3567	G JK G KX 秦 秦 禾 5	0526.210	KXI index of 2-3567 should be 0526.211
刔	2-07B3	G JK G5-7964 T5-222B 刔 刔 刀 4	0137.301	
𠦝	0-365C	G5-7964 G JK 𠦝 𠦝 木	0274.171	
孃	0-3736	G JK T5-673F 孃 孃 女	0274.171	
㠪	0-37AF	G JK G KX 㠪 㠪 山 3	0307.271	
斳	0-3ABF	G KX JA-2352 斳 斳 斤 5	0479.151	
燰	0-3DD7	G JK T6-5536 燰 燰 火 9	0678.130	KXI index of 0-3DD7 should be 0678.161
魜	0-4CF9	魜	1498.400	
嗳	2-1151	G JK G KX 嗳 嗳 口 14	0211.400	KXI index of 2-1151 should be 0211.121
濛	2-4264	G JK T5-7042 濛 濛 水 19	0663.191	

Character to be added	Counerpart's UCS code	Corresponding pairs in SuperCJK9.0	Suggested KXI Index of new character	More comments
檪	2-4849	2-4859 G-XX, T-4D58 **30244** TT-4D58 30174 0704.400 31821.080 黎檪 牛 **15**	0704.351	
枂	0-6747	25176 **21610** G3-404B, T2-423F 21637 J1-4276 6611.020 V1-3954 21156.140 V1-5939 枂枂 木 **3**	0513.011	

Source Comments on Extension B

The following characters' source information are incorrect or missing.

Extension B Code	SCJK9.0 No	Wrong / Missing Source Code	Source Code to be Added / changed
2-2BAB	17661	T6-2722 (Wrong source)	Change to T6-2772. (Font no change)
2-735E	48231		Add T5-7C24 source
2-1089	06601		Add T7-2149 source
2-115D	06895		Add T7-3732 source
2-1265	07234		Add T7-5752 source
2-12D1	07400		Add T6-2D34 source
2-168D	09000		Add T6-2265 source
2-1A08	10614		Add T7-4650 source
2-1C76	11524		Add T6-3032 source
2-1E0C	12058		Add T4-2135 source
2-2129	13371		Add T5-237C source
2-21B8	13603		Add T6-3060 source
2-21BB	13606		Add T6-3066 source
2-21C7	13622		Add T6-3672A source
2-238A	14301		Add TF-3A66 source
2-2451	14584		Add T6-3073 source
2-2466	14606		Add T6-3F4E source
2-2553	14949		Add T5-6C26 source
2-26C0	15491		Add T6-2326 source
2-26EA	15602		Add T3-257E source
2-2748	15777		Add T6-3759 source
2-278B	15944		Add T6-3F68 source
2-2AE7	17339		Add T4-375C source
2-2B36	17445		Add T7-472D source
2-2B8E	17593		Add T5-226F source
2-2C80	18128		Add T6-4028 source
2-2EA0	19124		Add T7-2E35 source
2-2FE4	19598		Add T4-2D3E source
2-319F	20210		Add T6-495C source
2-31AE	20234		Add T4-5F6C source
2-31D8	20298		Add T3-4731 source
2-33C0	21156		Add T4-5915 source
2-34DC	21591		Add T6-2522 source
2-35CE	22274		Add T6-4060 source
2-3716	22954		Add T3-474B source
2-3964	23954		Add T7-5B61 source
2-3A25	24244		Add T6-5D76 source
2-3A8E	24397		Add T5-2835 source

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2-3BFA	24909	Add T7-4031 source
2-3BFE	24914	Add T7-474C source
2-3C3F	24998	Add T5-214A source
2-3D3A	25330	Add T7-386B source
2-4044	27088	Add T6-5E3C source
2-404C	27105	Add T6-5E38 source
2-4161	27600	Add T3-553A source
2-41E5	27787	Add T7-475B source
2-434D	28404	Add T5-2E4D source
2-45CD	29428	Add T5-7043 source
2-4830	30255	Add T7-4E3F source
2-48FD	30617	Add T6-4B38 source
2-4908	30633	Add T5-243A source
2-49D9	30954	Add T7-3935 source
2-4B3E	31648	Add T3-4826 source
2-4B67	31719	Add T7-2253 source
2-4BC1	31875	Add T4-6028 source
2-4C53	32078	Add T7-623B source
2-4D01	32367	Add T7-4066 source
2-4D11	32385	Add T6-3479 source
2-4D3A	32443	Add T6-395D source
2-50E9	33914	Add T7-4E4F source
2-511D	33984	Add T6-4B6F source
2-5207	34302	Add T7-5C24 source
2-5888	36969	Add T4-217E source
2-59DA	37556	Add T7-3978 source
2-5A6B	37749	Add T3-2A45 source
2-5B8E	38167	Add T5-7934 source
2-5C5A	38514	Add T6-4278 source
2-5C78	38588	Add T6-4C5D source
2-5CB0	38690	Add T6-5631 source
2-5CEB	38810	Add T6-6024 source
2-5D53	38989	Add T4-5240 source
2-5DD2	39203	Add T7-3A29 source
2-5F26	39678	Add T7-3A29 source
2-5FAF	39902	Add T6-4C62 source
2-604B	40138	Add T7-3A35 source
2-60A9	40263	Add T7-5857 source
2-60C9	40314	Add T6-2D52 source
2-612F	40544	Add T6-4C6D source
2-61B5	40818	Add T6-6035 source
2-65F7	42640	Add T7-5863 source
2-6621	42706	Add T7-2729 source
2-6727	43105	Add T3-5863 source
2-673F	43134	Add T7-4877 source
2-67FF	43510	Add T6-3B2F source
2-68E2	43919	Add T6-606A source

2-6D5D	45792		Add T5-3528 source
2-6E2A	46232		Add T6-5765 source
2-6EA6	46396		Add T6-6133 source
2-7235	47836		Add T7-5876 source
0-85C4	49385		Add T7-496B source
2-771E	49792		Add T7-547A source
2-798D	50870		Add T6-623B source
2-7DA7	52832		Add T5-5133 source
2-8867	57156		Add T6-4F62 source
2-88C6	57306		Add T7-297E source
2-898F	57614		Add T6-6349 source
2-8A47	57889		Add T7-5D27 source
2-8A8F	58002		Add T6-3C64 source
2-8AB3	58120		Add T6-4F77 source
2-8C23	58973		Add T5-6A34 source
2-8C6C	59115		Add T7-5071 source
2-8CFE	59336		Add T7-5965 source
2-8F65	60496		Add T6-2550 source
2-9041	60869		Add T4-4829 source
2-9297	61691		Add T5-6A48 source
2-955C	62715		Add T7-4B6B source
0-4AA3	62721		Add T7-5148 source
2-97C4	63692		Add T6-3C75 source
2-9AD8	64999		Add T7-5A41 source
2-9BFD	65477		Add T7-5D61 source
2-9DB0	66072		Add T7-5D70 source
2-9EAC	66385		Add T5-4B63 source
2-A0A3	67266		Add T7-6331 source
0-4D56	69265		Add T5-6F54 source
2-A57C	69309		Add T7-2C35 source
2-A652	69597		Add T7-5B2D source
2-A6F1	69828		Add T7-4D7C source
2-3486	21446	KXI index 0505.041	KXI index 0084.201
2-5890	36985		Add T4-2755 source
2-6D8F	45929		Add T7-4D7C source
2-6031	40095	V3-083D	V2-803D
2-05F5	02328		Add T5-5064 source
2-19FF	10600		Add T7-3F41 source
2-1BA7	11255		Add T7-547A source
2-7ED8	53288	T6-6267	Change to T4-4757
2-20FC	13301		Add T6-216D source
2-225E	13859		Add T7-2D52 source
2-239E	14329		Add T6-5248 source
2-25AE	15079		Add T6-3F5B source
2-39FC	24179		Add T5-3946 source
2-72B8	48004		Add T7-613D source
2-893C	57457		Add T7-5F6B source

2-8E2C	59989		Add T3-3F6D source
2-A391	68557		Add T7-6630 source
2-27C4	16047		Add T6-3766 source
2-69FB	44328	T4-6A6E	T7-544F
2-6A10	44354		Add T4-6A6E source
2-34F5	21667		Add J-source JPN092
2-9AC7	64973		Add T7-564E source

Attachment 2 – Finland

We are aware of and agree in principle with the initiative to split the CJK Extension B into two parts and move one part (consisting of JIS 0213, the Korean set and possibly the Hong Kong set) into the BMP, i.e. 10646-1. Thus, we believe that the current CD should be used as the basis for future work only after the initiative has been duly acted upon, at which stage our ballot for the remaining content of the CD will change to Approve.

German comments on CD 10646-2

Vote

Approval with comments.

Coding of characters (§4)

It is prefereable to use the six-digit form throughout to have a uniform mechanism to address all characters, including those in the Private Use plane.

Etruscan

Major

This table contains not only Etruscan characters, but also characters from other Italic languages such as Umbrian (e. g. 031C), Faliscan (e. g. 0317) and Oscan (e. g. 031D). This stresses the importance to seek not only an isolated solution for Etruscan, based upon less than authoritative sources, but to inquire for a comprehensive solutions for all Italic languages possible to attain.

More detailed information and further assistance can be made available upon request.

Minor

All Etruscan glyphs and also the Umbrian character 031C need to be reversed, for Etruscan was usually written leftwards.

Note: A few characters such as the Oscian-Umbrian letter 031B are already in correct order.

Gothic

Major

Gothic letter "EIS WITH DIAERESIS" (033A) should not be encoded as a separate character. The diaeresis on the eis is used primarily to indicate boundaries between morphemes; the character as such does not carry any additional meaning, is unified with the eis for ordering purposes and also does not figure as a numeral sign (eis: 10, kusma: 20, etc) as all the other Gothic characters do. It is therefore a perfect example of a precomposed character, to use Unicode terminology.
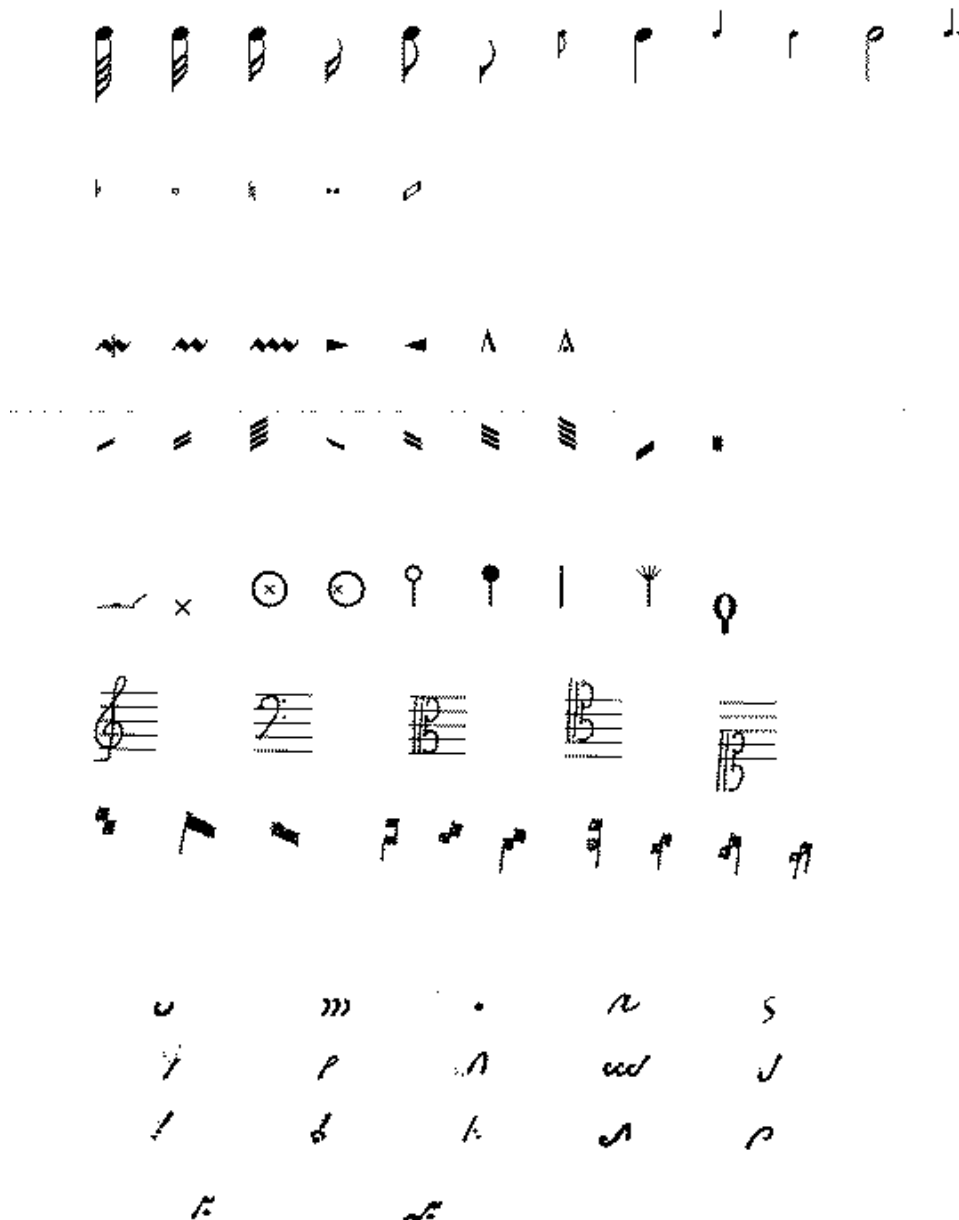
Minor

A few glyphs are not quite correct (e. g. bairkan and qairthra). For more details on more suitable glyphs please cf. Wilhelm Braune: Gotische Grammatik. Mit Lesestücken und Wörterverzeichnis. Neubearbeitet von Ernst A. Ebbinghaus. Tübingen: Niemeyer, 1981, especially p. 14, or any good reproduction of the Codex Argenteus. For more information please see the Gothic link list (in German) http://www.sfb441.uni-tuebingen.de/~reimar/gotisch.html

Deseret

Germany objects to the encoding of this sort of artificial scripts such as Deseret as a matter of principle. It requests that Table 3 be removed.

Western Musical Symbols

Tables 7 and 8 fill a gap in an important area of typesetting, the typesetting of musical symbols. While our experts are full of praise for this proposal in general, there are a number of open issues. First of all, there are a few missing characters that should be taken account of:

Secondly, Annex E is insufficiently clear as to how a practical encoding of musical scores should work. It would be immensely helpful if one or two brief concrete examples could be given on how this is to function in detail.

Especially, Annex E should strongly point out that encoding musical pitch is outside the scope of what tables 7 and 8 aim to attain.

Some questions which need still further discussion:

- Should there be precomposed notes with downward stem?

- Should a mechnanism (e. g. number-like symbols) to indicate the beat? (e. g. 3/4 beat) be defined? If so, how would such a mechanism look like?

Mathematical Alphanumeric Symbols

We acknowledge that typography can mark a semantic difference in mathematical typesetting. This is true, however, for typographic distinctions (italic, bold, etc.) in many fields of application, including, e. g., the humanities.

For good reasons, SC2/WG2 refuses to take typographic distinctions into account. The *mathematical alphanumeric symbols* break this rule, introducing potential data exchange problems which are likely to arise from misuse of these symbols. Germany therefore objects to the inclusion of these characters.

Should the need for a solution in this area be found to be compelling, then it might be worthwhile to investigate solutions in the spirit of §10.3.

Annex D: Tag characters

This approach should be closely harmonized with relevant groups such as the W3C. At least a note should inform the reader about the use, potential benefits and pitfalls of the tag characters in an SGML/XML environment.

Annex F

Care should be taken to find authoritative sources and the consent of eminent experts in the fields concerned.

≋ΕΛΟΤ

COMMENTS ON CD 10642-2

The name of the following symbols must be corrected :

TABLE 14

Character D735

          Correct name : "Mathematical Bold Italic Anadelta"

Character D76F

          Correct name : "Mathematical Sans Bold Anadelta"

TABLE 15

Character D7A9 "Mathematical Sans Bold Italic Anadelta"

Th symbol called in the present draft as "nabla" is widely known in the bibliography as "Anadelta" which means "Reversed Delta". The symbol is actually a capital Delta turned 180° ∇ .

Also the pi symbol should be presented like this ϖ ϖ .

The national body of Japan approves the registration of ISO/IEC CD 10646-2.

The national body of Japan disapproves the ISO/IEC CD 10646-2 with following comments. The national body of Japan requests to proceed to 2nd CD as a next step.

Comments

J-1: Clause 10.3: This clause describes two independent things. One is a structure of the plane-14, and the other is a characteristic of TAG block.   Separate them into two sub-clauses.

Note: This is one example that the several clauses of the CD have multiple unrelated information. They should be separated.

J-2: Clause 10.3: Insert following text between "represented in the character code table by dotted box" and " A possible use…."   "A functionality of TAGS for their use is not defined in this international standard, it shall be defined in separated standards"

J-3: Clause 10.2: Japan strongly requests the source information of CJK ideographs (either unified and compatibility) in plane-2 should be "normative". Therefore, it should be a part of this international standard. The source information should not be an information somewhere else.
If it is separated, it should be another ISO/IEC standard (and to be described in clause 3).
The clause 10.2 does not describe those clearly.

If the idea is a "normative" electronic data stored in a defined place (and to be accessed by electronic means by public), the method should be approved by ISO and/or IEC (at least by JTC1 and supported by ITTF in written form).

J-4: Clause 10.2:   The format information of the source data should be in a sub clause separated from the clause 10.2. (again clause 10.2 has too much of information)
And current text (last part of clause 10.2) is not clear enough for the user. At least, "which corresponds to G, which for T……of the part-1 kind of information to be added.

J-5: Most of the user may not understand the differences among Hanzi, Hanja, Kanji……,
Use much clear explanation.

J-6: Clause 10.2   kanji from JPNxxx should be changed to:
Japanese source (do not describe as Kanji):   JIS X 0213:2000

Also, 48-54 octet: Kanji(JPNddd) is very questionable. Why not be same as others?

J-7: Clause 1: remove NOTE. This note is not necessary as a JTC1 international standard.

J-8   Clause 2: Does this clause really necessary?   The conformance clause of the part-1 is describes that the conformance of ISO/IEC 10646 (not only part-1).

J-9: Clause 3: add ISO/IEC 10646-1:2000? As a normative reference. This standard is not in ISO/IEC 10646-1 as this CD expecting.

J-10: Clause 4: 2nd paragraph 1st line, Change "within planes 01 to 0F" to "within planes 01, 02 and 0E".

Comment on the editor's note: Japan does not care the number of digits.

J-11: Clause 5: Japan supports the idea to refer to the definitions of ISO/IEC 10646-1. However, there is a conflict with the definition clause of the part-1. Clause 1 SCOPE of the part-1 describes as "the part-1 defines terms used in ISO/IEC 10646",   And the SCOPE of the part-2 does not say any on the definition. Therefore, the definition clauses should be moved to the part-1 (in theory).   However, it would be better to change the part-1 so that clause 5 of the part-5 can be used as it is now.

J-12: Clause 6 SMP: Clarification of the last bullet of the NOTE: Does "Symbol set" include "ideographic symbol"?   Note that clause 7 SIP does not describe that SIP includes the ideographic symbols.   Then what for 00-0F of the plane-2?
Japan believes that all symbols (include ideographic symbols) to be in plane-1, and 00-0F of the plane-2 should be used for CJK unified ideograph. Thus, the current text itself is acceptable with Japan, but it is conflicting with WG2 decision at Copenhagen.

J-13: Clause 7   SIP: Clarification: In 3^{d} paragraph 3rd line. Clause 4.13 of ISO/IEC 10646-1.   Is this ISO/IEC 10646-1:1993 or 2000? They are different terms. It may be 2000.

J-14: Clause 8   SPP: Delete "Some of these characters….do not have printable graphic symbols".
Rationale: It will not be a case only for the SPP, it may be happened on any plane.
Thus this kind of information should be added (if needed) character by character in principle.

J-15   Clause 10.2: Note: Beginning text of annex R of the part-1 is not applicable for the part-2 (plane-2). Add more explanation.

J-16:   Clause 10.3: Note does mean nothing, delete all text of the note.

J-17:   Clause A.1: Add a collection for plane-1, plane-2 and plane-14 just like collection 300 and 301 of the BMP.   This might make sub-setting easier.
Note: Conformance clause of the part-1 is covering all parts of the ISO/IEC 10646.

J-18: Clause A.1: Note: Change "The CJK Ext-B collection includes characters form the CJK COMPATIBILITY…." To " The CJK Ext-B collection includes (real number to be here) characters from the CJK COMPATIBILITY….." .

J-19: Table-8 Row 00: TAGS: Change title to "table 16 Row 00 TAGS"

J-20: Clause B.2: Change text to "The following characters are not allowed in implementation level 2" then   describe "none".
Rationale: Thus addition of the level 2 characters in future is easier.

J-21: Clause C.2: Add code range for CJK Unified ideograph Ext-B.
Add CJK compatibility ideograph with empty code range. (or add in later).

J-22: Clause D.5: Change U-XXXX short ID to CODE VALUE in HEX.
Rationale: to be consistent with other portion of ISO/IEC 10646 series of standards.

J-23:   Extension B
See Attachment.

Extra comment on AMD-1 for ISO/IEC 10646-1.2: Annex R: Is this really annex R? It would be annex S. Confirm these characters with final version of Ext-B with CJK editor. If the FAXX characters here are all correct, then add annex P equivalent to this international standard. And also source information should be provided for those characters.

------end of comments-----

Attachment

UCS code of the character that to be removed for unification	SuperCJK9.0 number of the character that to be removed for unification	UCS code of the character that to be unified with	SuperCJK9.0 number of the character that to be unified with
2-144F	08099	0-578B	07798
2-18F8	10171	0-36FC	10062
2-210E	13336	0-5DE2	13332
2-2439	14550	0-5EFE	14549
2-2567	14978	0-38C7	14972
2-259E	15055	0-5F62	15040
2-274C	15793	0-6081	15922
2-2863	16359	0-60C7	16101
2-2CAB	18222	0-62FC	17889
2-2DEC	18852	0-63A9	18270
2-2EEA	19231	0-6477	18841
2-32F6	20818	2-32F6	20744
2-3373	21022	0-3B08	20962
2-35F9	22396	0-681F	21973
2-3655	22545	0-6914	22419
2-39CE	24098	2-3A18	24223
2-3A67	24342	0-3C4E	24345
2-3E01	25808	0-6CBF	25701
2-3E87	26132	0-6D85	26042
2-3FD4	26857	0-3D33	26770
2-42B3	28105	0-7070	28093
2-42C8	28171	0-707D	28119
2-442B	28800	2-438D	28537
2-46ED	29784	0-7250	29816
2-4798	30041	0-7280	30028
2-48AA	30464	2-4862	30328
2-4BBD	31865	0-7485	31671
2-4C74	32144	0-3F1B	32102
2-4D5D	32504	0-753E	32483
2-5193	34150	0-3F1B	34102
2-580B	36802	0-798F	36736
2-5BE8	38311	2-5BE3	38306
2-5BEA	38314	0-7AEE	38290
2-5CEA	38809	2-5CEB	38810
2-5E27	39336	0-4227	38960
2-5EAD	39515	2-5DC0	39168
2-61F9	40952	0-7DC7	40777

2-62EA	41355	0-7E45	41133
2-6474	42074	0-7F7A	42017
2-6F45	46664	0-84F1	46369
2-7225	47819	2-70F4	47365
2-74CA	48926	0-8728	48701
2-74F0	48991	0-8779	48904
2-8897	57229	2-887B	57184
2-8906	57386	0-911B	57250
2-8CE4	59306	0-9145	59100
2-9101	61143	0-96C3	61097
2-A176	67722	0-9CFD	67530
2-A401	68796	2-A3E9	68761
2-A676	69658	0-9F16	69650
2-4703	29809	2-4707	29814
2-60CF	40320	2-60C9	40314
2-6CF3	45601	0-83BD	45822
2-7D6E	52748	0-8CFF	52747
2-8709	56626	2-86E0	56580
2-0CC3	04924	0-5406	04886
2-2ADE	17327	0-621B	17322
2-4232	27909	0-701B	27789
2-5890	36985	0-79C4	36984
2-6D8F	45929	0-83FB	45928
2-0956	03641	0-52C7	03637
2-1439	08074	2-1438	08073
2-2FB6	19535	2-2FB5	19534
2-3FD4	26857	0-3D33	26770
2-6EC2	46469	0-4544	46901
2-92B9	61737	2-92BD	61741
2-A1C2	67853	2-A1AE	67815
2-A31A	68410	2-A31C	68412
2-A48D	68997	2-A48C	68996
2-A4AF	69039	2-A4AD	69037
2-A63A	69568	0-9F00	69562
2-0CDB	04983	0-5448	05018
2-2914	16668	0-614C	16509
2-2617	15250	0-5F9A	15317
2-5C0E	38360	0-8D11	53525
2-24EA	14798	2-0BF3	04614
2-1E0C	12058	0-5C6E	12055

2-255E(JPN 073) was withdrawn by Japan and should be removed from Ext. B.

2-2914 (KXI 0401.310; T6-5D26; SCJK9.0 16668) is unified to 0-614C (KXI 0398.090; T1-637D; SCJK9.0 16509) and is suggested to be put into the suggested CJK Compatibility Zone in Plane 2.

The following glyphs found in Extension B are wrong.

Ext. Number	SCJK90 Number	Wrong Glyph	Right Glyph
2-0634	02410	顛	顛
2-0403	01565	保	保
2-0AC4	04183	轟	轟
2-3995	24016	攛	欑
2-7ED8	53288	實	實
2-09DC	03855	匊	匂
2-5E60	39402	簍	簓
2-675C	43173	聿	聿
2-7E3D	53044	貜	貋
2-A7DB	70160	齜	齸
2-69FB	44328	膜	膜
2-0A73	04072	麎	麎
2-37B5	23285	馮	櫔

The following characters should be added in Extension B for disunification.

Character to be added	Counerpart's UCS code	Corresponding pairs in SuperCJK9.0	Suggested KXI Index of new character	More comments
稾	2-0279	2-0279 00606 G_HZ T6-5052 00612 0089.201 10291.020 稾 稾 亠 11	0089.201	
�	2-126A	2-126A 07241 G_HZ T7-5B47 07211 0215.221 10707.070 � 譱 口 19	0215.271	
巊	2-20E7	2-20E7 13287 G_HZ TF-6C26 13242 0323.131 10809.050 巊 巊 山 21	0323.141	
敊	2-308B	2-308B 19840 G_KX T5-3271 19776 0473.040 21465.080 敊 敊 攴 8	0474.131	
敨	2-3A9B	0-3A9B 19875 G3-4730 T4-3D5A 19810 0473.210 21469.090 敨 敨 攴 9	0474.131	
斅	2-3102	2-3102 20004 G_KX T5-5467 19939 0475.240 21476.120 斅 斅 攴 12	0475.321	
歚	2-3AD9	2-3AD9 24489 G_KX T7-5B63 24409 0578.140 21447.070 歚 歚 止 20	0578.131	
璿	2-4BEC	2-4BEC 31933 TF-627D 31867 0745.051 HA-0696 璿 璿 玉 15	0745.051	
耆	2-660A	2-660A 42674 G_KX T7-2726 42584 0961.140 42782.060 耆 耆 老 9	0961.131	
菜	2-6D2C	2-6D2C 45739 G_KX T5-3525 45644 1036.260 53239.050 菜 菜 7	1036.401	
蹢	2-8206	2-8205 54628 G_KX T7-3422 54525 1230.290 63727.040 蹢 蹢 足 9	1338.081	
闇	2-8E9D	2-8E9D 60166 G_KX T4-544E 60063 1337.110 74309.080 闇 闇 8	1338.081	
剛	2-086C	2-086C 03280 G_HZ T6-3D4B 03283 0142.281 80010.200 剛 剛 刀 9	0142.281	

Character to be added	Counerpart's UCS code	Corresponding pairs in SuperCJK9.0	Suggested KXI Index of new character	More comments
劢	2-093A	2-093A 03581 G_KX T5-2233 03585 0147.050 10368.070 勃勃 力 5	0147.071	
堀	2-156A	2-156A 08607 G_KX T4-4F76 08573 0240.240 10494.060 堀堀 土 13	0240.301	
夬	2-24BD	2-24BD 14723 G_KX T6-246B 14670 0357.100 10019.070 夬夬 弓 3	0357.100	KXI index of 2-24BD shouldbe 0357.101
殸	2-2D93	2-2D93 18675 G_KX T6-5D2D 18621 0448.330 31927.060 擎殸 手 10	0582.351	
杳	2-3567	2-3567 22051 G_KX T6-3852 21979 0526.210 10627.170 杳杳 木 6	0526.210	KXI index of 2-3567 should be 0526.211
刐	2-07B3	2-07B3 02972 G_KX T5-222B 02974 0137.140 10327.010 刐刐 刀 4	0137.301	
亭	0-365C	0-365C 08293 G5-7964 T3-4055 08259 0235.210 10473.160 亭臺 土 10	0274.171	
孋	0-3736	0-3736 10629 G_KX T3-5C37 10586 0274.010 21090 130 孋孋 女 17	0274.171	
屈	0-37AF	0-37AF 12175 G_HZ T5-235A 12126 0307.271 0762.010 屈屈 山 3	0307.271	
斳	0-3ABF	0-3ABF 20256 G_HZ T6-3830 JA-2352 20185 0479.151 32024.060 斳斳 斤 5	0479.151	
熛	0-3DD7	0-3DD7 28721 G_KX T6-5454 28650 0678.130 K3-2A34 32218.180 熛熛 火 9	0678.130	KXI index of 0-3DD7 should be 0678.161
鯳	0-4CF9	鯳鯳	1498.400	
嚘	2-1151	2-1151 06875 G_KX T5-5376 06853 0211.400 10697.120 嚘嚘 口 14	0211.400	KXI index of 2-1151 should be 0211.121
瀺	2-4264	2-4264 27989 G_KX T5-7042 27915 0663.260 31796.060 瀺瀺 水 19	0663.191	

Character to be added	Counerpart's UCS code	Corresponding pairs in SuperCJK9.0	Suggested KXI Index of new character	More comments
犥	2-4849	2-4829 G_KX 30244 T7-4058 30174 0704.400 31821.080 犥 犥 牛 15	0704.351	
杇	0-6747	0-6747 G3-404B 21610 T2-243F 21537 J1-4279 0511.020 K2-395A 21156.140 V1-5939 杇 杇 木 3	0513.011	
鑢	0-93F8	0-93F8 G3-7723 59057 T2-6A4A 58952 J1-6550 1321.140 K2-6A41 64254.140 鑢 鑢 金 12		

The following characters' source information are incorrect or missing.

Extension B Code	SCJK9.0 No	Wrong / Missing Source Code	Source Code to be Added / changed
2-2BAB	17661	T6-2722 (Wrong source)	Change to T6-2772. (Font no change)
2-735E	48231		Add T7-5C24 source
2-1089	06601		Add T7-2149 source
2-115D	06895		Add T7-3732 source
2-1265	07234		Add T7-5752 source
2-12D1	07400		Add T6-2D34 source
2-168D	09000		Add T6-2265 source
2-1A08	10614		Add T7-4650 source
2-1C76	11524		Add T6-3032 source
2-1E0C	12058		Add T4-2135 source
2-2129	13371		Add T5-237C source
2-21B8	13603		Add T6-3060 source
2-21BB	13606		Add T6-3066 source
2-21C7	13622		Add T6-372A source
2-238A	14301		Add TF-3A66 source
2-2451	14584		Add T6-3073 source
2-2466	14606		Add T6-3F4E source
2-2553	14949		Add T5-6C26 source
2-26C0	15491		Add T6-2326 source
2-26EA	15602		Add T3-257E source
2-2748	15777		Add T6-3759 source
2-278B	15944		Add T6-3F6B source
2-2AE7	17339		Add T4-375C source
2-2B36	17445		Add T7-472D source
2-2B8E	17593		Add T5-226F source
2-2C80	18128		Add T6-4028 source
2-2EA0	19124		Add T7-2E35 source
2-2FE4	19598		Add T4-2D3E source
2-319F	20210		Add T6-495C source
2-31AE	20234		Add T4-5F6C source
2-31D8	20298		Add T3-4731 source
2-33C0	21156		Add T4-5055 source
2-34DC	21591		Add T6-2522 source
2-35CE	22274		Add T6-4060 source
2-3716	22954		Add T3-474B source
2-3964	23954		Add T7-5B61 source
2-3A25	24244		Add T6-5D76 source
2-3A8E	24397		Add T5-2835 source
2-3BFA	24909		Add T7-4031 source
2-3BFE	24914		Add T7-474C source
2-3C3F	24998		Add T5-214A source

2-3D3A	25330		Add T7-386B source
2-4044	27088		Add T6-5E3C source
2-404C	27105		Add T6-5E38 source
2-4161	27600		Add T3-553A source
2-41E5	27787		Add T7-475B source
2-434D	28404		Add T5-2E4D source
2-45CD	29428		Add T5-7043 source
2-4830	30255		Add T7-4E3F source
2-48FD	30617		Add T6-4B38 source
2-4908	30633		Add T5-3A28 source
2-49D9	30954		Add T7-3935 source
2-4B3E	31648		Add T3-4826 source
2-4B67	31719		Add T7-253D source
2-4BC1	31875		Add T4-6028 source
2-4C53	32078		Add T7-623B source
2-4D01	32367		Add T7-4066 source
2-4D11	32385		Add T6-3479 source
2-4D3A	32443		Add T6-395D source
2-50E9	33914		Add T7-4E4F source
2-511D	33984		Add T6-4B6F source
2-5207	34302		Add T7-5C24 source
2-5888	36969		Add T4-217E source
2-59DA	37556		Add T7-3978 source
2-5A6B	37749		Add T3-2A45 source
2-5B8E	38167		Add T5-7934 source
2-5C5A	38514		Add T6-427B source
2-5C78	38588		Add T6-4C5D source
2-5CB0	38690		Add T6-5631 source
2-5CEB	38810		Add T6-6024 source
2-5D53	38989		Add T4-5240 source
2-5DD2	39203		Add T7-3A29 source
2-5F26	39678		Add T7-5C34 source
2-5FAF	39902		Add T6-4C62 source
2-604B	40138		Add T7-3A35 source
2-60A9	40263		Add T7-5857 source
2-60C9	40314		Add T6-2D52 source
2-612F	40544		Add T6-4C6D source
2-61B5	40818		Add T6-6035 source
2-65F7	42640		Add T7-5863 source
2-6621	42706		Add T7-2729 source
2-6727	43105		Add T3-5863 source
2-673F	43134		Add T7-4877 source
2-67FF	43510		Add T6-3B2F source
2-68E2	43919		Add T6-606A source
2-6D5D	45792		Add T5-3528 source
2-6E2A	46232		Add T6-5765 source
2-6EA6	46396		Add T6-6133 source

2-7235	47836		Add T7-5876 source
0-85C4	49385		Add T7-496B source
2-771E	49792		Add T7-547A source
2-798D	50870		Add T6-623B source
2-7DA7	52832		Add T5-5133 source
2-8867	57156		Add T6-4F62 source
2-88C6	57306		Add T7-297E source
2-898F	57614		Add T6-6349 source
2-8A47	57889		Add T7-5D27 source
2-8A8F	58002		Add T6-3C64 source
2-8AB3	58120		Add T6-4F77 source
2-8C23	58973		Add T5-6A34 source
2-8C6C	59115		Add T7-5071 source
2-8CFE	59336		Add T7-5965 source
2-8F65	60496		Add T6-255D source
2-9041	60869		Add T4-4829 source
2-9297	61691		Add T5-6A48 source
2-955C	62715		Add T7-4B6B source
0-4AA3	62721		Add T7-5148 source
2-97C4	63692		Add T6-3C75 source
2-9AD8	64999		Add T7-5A41 source
2-9BFD	65477		Add T7-5D61 source
2-9DB0	66072		Add T7-5D70 source
2-9EAC	66385		Add T5-4B63 source
2-A0A3	67266		Add T7-6331 source
0-4D56	69265		Add T5-6F54 source
2-A57C	69309		Add T7-2C35 source
2-A652	69597		Add T7-5B2D source
2-A6F1	69828		Add T7-3670 source
2-3486	21446	KXI index 0505.041	KXI index 0084.201
2-5890	36985		Add T4-2755 source
2-6D8F	45929		Add T6-4D7C source
2-6031	40095	V3-083D	V2-803D
2-05F5	02328		Add T6-5064 source
2-19FF	10600		Add T7-3F41 source
2-1BA7	11255		Add T6-6267 source
2-7ED8	53288	T6-6267	Change to T4-4757
2-20FC	13301		Add T6-216D source
2-225E	13859		Add T7-2D52 Source
2-239E	14329		Add T6-5248 source
2-25AE	15079		Add T6-3F5B source
2-39FC	24179		Add T5-3946 source
2-72B8	48004		Add T7-613D source
2-893C	57457		Add T7-5F6B source
2-8E2C	59989		Add T3-3F6D source
2-A391	68557		Add T7-6630 source
2-27C4	16047		Add T6-3766 source

2-69FB	44328	T4-6A6E	T7-544F
2-6A10	44354		Add T4-6A6E source
2-34F5	21667		Add J-source JPN092
2-9AC7	64973		Add T7-564E source

The following characters are missing in Extension B.

Glyph	Source information	Kangxi Index
兜	TF-394A	0134.351
㔺	T6-2975	0157.041
厬	T7-6633	0163.191
腸	G-KX, T5-417B	0990.060
膈	G-KX, T5-5731	0994.170
朧	G-KX, T5-6D2B	0998.140
胏	TF-2D2D	0980.141
蝸	T6-616F	1088.341
瓵	T6-2556	0083.011
遷	TF-642C	1267.191
鎇	TF-5D2E	1316.111

Attachment 6 - Singapore

There are about 60 Singapore HanZi, some of them are frequently used in Singapore. However, none of them have been encoded un CD 10646-2yet. It is very important to encode these Singapore Hanzi in CD 10646-2 because of various reasons.

Attachment 7 - Sweden

Swedish Comments to CD 10646-2:

Our No vote can be turned to a Yes only if points SE2 and SE3 below are accepted.

SE 1. [General] The CD for 10646-2 concerns three planes: plane 1, plane 2, and plane 14. Plane 1 and plane 2 are planned to become almost filled. It is more logical to have one part per plane, rather than having part 1 covering plane zero, and part 2 covering more than one plane. Therefore we suggest that the current part 2 is split into part 2 for plane 1 and part 3 for plane 2 (regarding plane 14, see below).

Regarding plane 2 (supplementary ideographs plane), the content on this plane must be approved by experts on East Asian ideographs for us to accept it.

Regarding Etruscan, Gothic, Deseret, Byzantine musical symbols and 'western' musical symbols, experts on these scripts (or symbol sets, respectively) must approve the content on these for us to accept them.

SE 2. [All text and tables referring to plane 14; including annex D] The "language tag" characters (a kind of control characters) in the "special purpose plane" must all be removed. Encoding these as separate characters is highly objectionable. Language tagging is not a plain text issue, and should not become one. Language tagging as such has its place and is useful, but the plane 14 tag characters approach is highly inappropriate. For a more detailed explanation on why these characters are objectionable, and a possible alternative proposal, see document SC2/WG2 N 2169.

SE 3. [pages 20-35 of the CD] The "Math Alphanumeric" preformatted letters/digits (in plane 1) must be removed. Encoding these as separate characters is highly objectionable. Preformatted letters (and digits) have not been needed for math before, and there is no need, nor any advantage, to introduce them now. For a more detailed explanation on why these characters are objectionable, and a possible alternative solution for MathML, see document SC2/WG2 N 2168.

SE 4. For clarity, the plane indication should be given in each table *heading*.

SE 5. For combining characters (preliminarily listed in Annex B), the way each of them combines with preceding character(s) should be indicated by dotted circles in the 'typical' glyph tables, just as in part 1.

SE 6. For characters that don't have a typical glyph, a dotted box should surround the descriptive text for those characters in the glyph tables, just as in part 1. (This applies in particular to some western musical symbols; see Annex E.)

SE 7. GOTHIC LETTER HAGL looks very much like GOTHIC LETTER URUS. Should they really be so similar glyphs?

SE 8. Western musical note head names: It is not clear that a "NULL" note head is different from a "VOID" note head, and these two names may be easily confused. Since there is also a "BLACK" note head, maybe the "VOID" note head should be renamed to "WHITE-INNER" note head, or some such.

SE 9.   The identity of the characters in plane 2 depend very much on the given sample glyphs, since there are no supporting names, so these glyphs must be clear. Occasionally, a bit smaller glyphs are used, or (apparent) bold/semibold. We suggest using the same light actual font weight and the same large actual glyph size consistently if possible.

SE 11.   In our printout for plane 2, some code points are not given any sample glyph, while the box for the sample glyph is not grey-shaded (see in plane 2's row 33, row 65, row 97, and row A8). Is that just missing glyphs, or is it unused code positions? The sample glyphs for 0002 9D32 and 0002 9E68 appear damaged.

SE 12.   Typo on page iv: 10646 will consist of "part<u>s</u>", not just a "part".

Attachment 8 - UK

UK COMMENTS ACCOMPANYING VOTE OF APPROVAL ON CD 10646-2 (JTC1/SC2 N 3393)

Technical comments on CD 10646-2

This CD should not proceed to the Final CD stage until Plane 01 is populated with a substantial number of additional characters - it is at present less than 5% filled. A target of at least 10-15% fill would be more appropriate, and would present a better "image" to users at the time of publication of the First Edition.

Editorial comments on CD 10646-2

1. Clause 4, last para., line 3 should read "..represent characters from all planes specified ..."

2. Clause 6, line 1: replace "shall be" by "is".

   Justification: The use of "shall be" is not appropriate in a sentence describing facts about the arrangement of the standard. It should only be used for requirements on coded information interchange, or on devices, to which conformance applies.

3. Clause 6, para. 2, 1st sentence: similar comment to 2 above. The "shall not" is here merely an instruction to WG2 not to do it, not a requirement on coded interchange !

   2nd sentence: replace "slated" by "proposed" or "scheduled".

4. Clause 7 & Clause 8: similar comment to 2 above.

5. Clause 8: Add here the statement that defines positions 000E 0000 to 000E 0FFF as reserved for Alternate format characters. At present this statement is proposed (on page 386) for Clause 8 of 10646-1, but it would there be out of scope since the title of that clause is "The Basic Multilingual Plane".

6. Clause 9, Note: The term "unaware process" is not defined.

7. Clause 10, Title: The title is completely wrong - the clause is not an "overview".

   It should be as clause 26 of 10646-1, i.e. "Code tables and lists of character names".

8. Clause 10.1, 2nd sentence: replace "the planes are" by "this plane is".

9. Clause 10.2: This needs an extra first sentence stating what this clause is, e.g.:

   "Code tables for the block CJK UNIFIED IDEOGRAPHS EXTENSION B are shown on the following pages."

   In para. 1, 2nd sentence, replace "source reference" by "source references".

10. Annex B.1: Although this Annex lists combining characters in the block WESTERN MUSICAL SYMBOLS, the corresponding code tables do not show dotted circles for these characters, contrary to the statement in 24.2 of clause 24 of 10646-1 which is referred to at the start of the Annex. An statement is required to resolve this conflict, probably somewhere in clause 10.

11. Annex C, introductory paragraph: The last two sentences do not belong here, they already appear in Annex F.

    In the first sentence after "CJK Ideographs" add "in Plane 02".

12. Annex D. Para 1, line 2; replace "sequence" by "string" [for consistency].

    Para 2, line 1: after "spell out" add "a character string in" [for accuracy].

    D.3, line 3: the meaning of "text itself goes out of scope" is quite obscure, and should be amended. Perhaps it means "the end of the cc-data-element is reached".

13. Page 386: [The SC2 Secretariat has instructed National Bodies to ignore this page during the CD ballot. However the following comments are given here to assist the Project Editor.]

    a. The page heading, and all title information, should be deleted, and replaced by text such as the following.

    EDITOR'S NOTE: The following items will be included in a future PDAM for ISO/IEC 10646-1.

    b. Clause 8: See comment 5 above. Also Annex F of 10646-1 defining Alternate Format Characters includes many that are not within any of the ranges listed here. This should be clarified.

    c. Annex A.1: The change for collection 81 is superfluous, it is already included in 2nd Edition.

    d. The new collection 208 is technically incorrect, as there are many other such characters outside the range quoted, see Annex F of 10646-1 2nd Edition. Maybe the collection name should be adjusted.

BSI
24/02/2000

Title: Comments accompanying the US positive vote on the CD ISO/IEC 10646-2

Source: U.S.
Action: Forward to JTC 1/SC 2

The US is voting YES on the Committee Draft ISO/IEC 10646-2 with the following comments:

Technical Comments:

Secondary Multilingual Plane for scripts and symbols: Western Musical Symbols

T.1 The list of combining characters as specified by the Annex B.1 is incorrect; it should be amended as follows (encoding within Plane 1): D110-D117, D11A-D120, D134-D135, D157-D15A.
Furthermore the chart pages should show a dotted circle as customary for these characters.

T.2 The Annex E (Usage of musical symbols) illustrates 'equivalence' between pre-composed note values and primitives from which complete notes may be constructed. However these characters and sequences are not strictly equivalent. We suggest replacing the last phrase of the first column by:
'Although these characters are not formally equivalent, in practice conforming devices may not want to distinguish among the following sequence pairs:'
The '=' symbol used in the following lists should be replaced by a symbol reflecting a looser association than an equivalence. The character '~' is suggested.

Supplementary Plane for CJK Ideographs:

T.3 The CD should reflect the changes suggested in the IRG editors report following the 14th IRG meeting in Singapore.

Collections

Annex A (page 368) or a possible Amendment to part 1

T.4 A new collection needs to be added to cover all planes from 0 to 16. The collection number, name and positions (character range) are suggested as follows:
10646   UNICODE   0000 0000 - 0010 FFFF
As the collection spans many plane, it is suggested that the text should be added to the part 1 of the standard. As the formal introduction of the part 2 within ISO/IEC 10646 will require a change in the first part of the standard, it could be part of the necessary amendment.
Although the US understands that the text appearing at the very end of the CD ballot (page 386) looking like a part 1 amendment is not part of the CD ballot itself, it is nevertheless an informative document to be used as a template for the eventual amendment to part 1.

T.5 The clause A.1 contains a definition for CJK UNIFIED IDEOGRAPHS EXTENSION B specifying characters from Part 1 (like 0FA0E, 0FA0F,…FA29). These characters should not be part of Extension B but documented as being part of a larger collection including all CJK UNIFIED IDEOGRAPHS from all planes. The intent is to make sure that these 10 ideographic characters are part of that collection. The US asks that these characters be removed from collection 1006 and be added to a new collection in the amendment to part 1 specified above. Source information for these 10 characters should also be provided in the same amendment.

Editorial Comments:

Secondary Multilingual Plane for scripts and symbols: Western Musical Symbols
Clause 6 (page 2)

E.1 The end of the last sentence (the SMP cannot be used as a two-octet coded character set) is confusing, a reference to UCS-2 should be used instead.

E.2 In the first sentence of the 2nd paragraph, replace 'them' by 'CJK Ideographs'.

Clause 9 (page 3)
E.3 The note is unclear. Please clarify.

Annex E (page 383 and 384):
E.4 Remove the numbering in all lists in the Annex clauses E.2 and E.3.

Supplementary Plane for CJK Ideographs:
Clause 7 (page 3)
E.5 The end of the last sentence (the SIP cannot be used as a two-octet coded character set) is confusing, a reference to UCS-2 should be used instead.

Clause 10.2 (page 36)
E.6 The clause is imprecise in many cases about the correlation between the sources as described in the first part and as described in the explanation of the text file source document. For example, it is unclear to which source the Unique Hanzi abbreviated names (like G_4K, G_BK, etc.) refers to. The descriptive section (first part) should mention explicitly these abbreviated names in correlation with the full name (like G_CY for Ci Yuan).

E.7 The Hong Kong Hanzi source should be updated to reflect the new naming for the sources: Government Common Character Set (GCCS) and Hong Kong Supplementary Character Set (HKSCS) instead of GCCS_1 and GCCS_2.

E.8 Furthermore, the Hong Kong Hanzi source specifies two groups (GCCS) and Industry Collection. But the source document only references Industry Collection (HA-, HB-, HC-). It should be made clear whether or not the GCCS and HSCS collections are fully contained within the Industry Collection.

E.9 The Kanji source should explicitly refer to the newly adopted JIS-x-213, as it is now known as the official source for these characters.

E.10 The second Editor's note can be addressed by developing the explanation of the plain text file. The explanation basis should be based on the following: The Kangxi Dictionary is really used for two purposes: true entries using the 'dddd.dd0' notation ('dddd' is the page number, and 'dd' is the order within the page in decimal notation), and duplicates noted as 'dddd.dd1'. The duplicates are ordered within the single 'dddd.dd1' entry as determined by the IRG committee. That internal order bears no significance.

End of US comments