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ISO/IEC JTC 1/SC 2/WG 2
Universal Coded Character Set (UCS) - ISO/IEC 10646
Secretariat: ANSI

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1. Meetings

Since the last SC2 plenary session, which was held in Redmond, WA in April 2008, WG2 met in Hong Kong, China in October 2008, in April 2009 in Dublin, Ireland and in Tokyo, Japan in October 2009. Earlier meetings are included for reference.

<u>Meeting</u>	<u>Location</u>	<u>Date</u>	<u>Document #, Minutes/Resolutions</u>
23	Athens, Greece	1993-05-24/26	N903, N904
24	Washington, DC, U.S.A.	1993-11-01/05	N955, N949
25	Antalya, Turkey	1994-04-18/25	N1033, N1034
26	San Francisco, Calif. U.S.A.	1994-10-10/14	N1117, N1118
27	Geneva, Switzerland	1995-04-03/07	N1203, N1204
28	Helsinki, Finland	1995-06-26/28	N1253, N1254
29	Tokyo, Japan	1995-11-06/10	N1303, N1304
30	Copenhagen, Denmark	1996-04-22/26	N1353, N1354
31	Quebec City, Quebec, Canada	1996-08-12/16	N1453, N1454
32	Singapore	1997-01-20/24	N1503, N1504
33	Heraklion, Crete, Greece	1997-06-30/1997-07-04	N1603, N1604
34	Redmond, WA, U.S.	1998-03-16/20	N1703, N1704R
35	London, UK	1998-09-21/25	N1903, N1904r
36	Fukuoka, Japan	1999-03-09/15	N2003, N2004
37	Copenhagen, Denmark	1999-09-13/16	N2103, N2104
38	China	2000-03-21/24	N2203, N2204
39	Greece	2000-09-19/25	N2253, N2254
40	Mountain View, California	2001-04-02/05	N2353, N2354
41	Singapore	2001-10-15/2001-10-18	N2403, N2404

42	Dublin, Ireland	2002-05-20/2002-05-23	N2453, N2454
43	Tokyo, Japan	2002-12-09/2002-12-12	N2553, N2554
44	Mountain View, California	2003-10-20/2003-10-23	N2653, N2654R
45	Toronto, Canada	2004-06-21/2004-06-24	N2753, N2754
46	Xiamen, Fujian, China	2005-01-24/28	N2903, N2904
47	Sophia Antipolis, France	2005-09-12/15	N2953, N2954
48	Mountain View, CA	2006-04-24/27	N3053, N3054
49	Tokyo, Japan	2006-09-24/29	N3153, N3154
50	Frankfurt, Germany	2007-04-23/27	N3203, N3204
51	Hangzhou, China	2007-09-17/21	N3353, N3354
52	Redmond, WA	2008-04-21/24	N3453, N3454
53	Hong Kong, China	2008-10-13/17	N3553, N3554
54	Dublin, Ireland	2009-04-20/24	N3603, N3604
55	Tokyo, Japan	2009-10-26/30	N3703*, N3704

* Not confirmed yet

2. Scope of Work

Develop a universal character set that encompasses the world's scripts. This is Work Item JTC1.02.18 - ISO/IEC 10646.

3. Achievements since last SC2 plenary

Here is a summary of projects completed and published as amendments since the last SC2 plenary in April 2006.

1. SC2/WG2 held three meetings since the last SC2 plenary; one in October 2008 in Hong Kong, China, one in April 2009 in Dublin, Ireland, and one in Tokyo, Japan in October 2009.
2. Published ISO/IEC 10646:2003 Amendment 4 on 2008-07-01 which includes Lanna, Cham, Game Tiles, and other characters
3. Published Amendment 5 of ISO/IEC 10646: 2003 on 2008-12-01 which includes Tai Tham, Tai Viet, Avestan, Egyptian Hieroglyphs, CJK Unified Ideographs Extension C, and other characters
4. Processed Amendment 6 as a FDAM; it has been published by ITTF.
5. Processed Amendment 7 as an FPDAM and is under preparation for FDAM ballot.
6. Processed Amendment 8 as a PDAM and is under preparation for FPDAM ballot.
7. Processed CD for the next edition of ISO/IEC 2nd edition and adjusted the due dates for a new edition of 10646 to include all amendments 1 - 8.

4. SC2/WG2 program of work.

Here are the details of all WG2 work items/projects within SC2:

10646	ISO/IEC 10646:2003	Information technology -- Universal Multiple-Octet Coded Character Set (UCS) (Freely available from the ITTF web site)	-	Published: 2003-12-15
10646.00.01.00.01	ISO/IEC 10646:2003/Amd.1:2005	Information technology -- Universal Multiple-Octet Coded Character set (UCS) --	-	Published: 2005-11-15

		Amendment 1: Glagolitic, Coptic, Georgian and other characters (Freely available from the ITTF web site)							
10646.00.02.00.01	ISO/IEC 10646:2003/Amd.2:2006	Information technology -- Universal Multiple-Octet Coded Character Set (UCS) -- Amendment 2: N'Ko, Phags-pa, Phoenician and other characters (Freely available from the ITTF web site)							- Published: 2006-07-15
10646 00.03.00.01	ISO/IEC 10646:2003/Amd.3:2008	Information technology -- Universal Multiple-Octet Coded Character Set (UCS) -- Amendment 3: Lepcha, Ol Chiki, Saurashtra, Vai, and other characters (Freely available from the ITTF web site)							- Published: 2008-02-15
10646.00.04.00.01	ISO/IEC 10646:2003/Amd. 4:2008	Information technology -- Universal Multiple-Octet Coded Character Set (UCS) -- Amendment 4: Lanna, Cham, Game Tiles, and other characters (Freely available from the ITTF web site)							- Published: 2008-07-01
10646.00.05.00.01	ISO/IEC 10646:2003/Amd. 5:2008	Information technology -- Universal Multiple-Octet Coded Character Set (UCS) -- Amendment 5: AMENDMENT 5: Tai Tham, Tai Viet, Avestan, Egyptian Hieroglyphs, CJK Unified Ideographs Extension C, and other characters (Freely available from the ITTF web site)							- Published: 2008-12-01
10646.00.06.00.01	ISO/IEC 10646:2003/Amd. 6	Information technology -- Universal Multiple-Octet Coded Character Set (UCS) -- Amendment 6: Bamum, Javanese, Lisu, Meetei Mayek, Samaritan, and other characters							Published: 2009-October
10646.00.07.00.01	ISO/IEC 10646:2003/Amd. 7	Information technology -- Universal Multiple-Octet Coded Character Set (UCS) -- Amendment 7: Mandaic, Batak, Brahmi, and other characters	M.Suignard	3	08-12 08-12	09-06 09-05	09-11		
10646.00.08.00.01	ISO/IEC 10646:2003/Amd. 8	Information technology -- Universal Multiple-Octet Coded Character Set (UCS) -- Amendment 8: Additional symbols, Bamum supplement, CJK Unified Ideographs Extension D, and other characters	M.Suignard	3	09-06 09-05	09-12	10-06		

10646.00.00.00.02	ISO/IEC 10646 (2ed.)	Information technology -- Universal Multiple-Octet Coded Character Set (UCS) (Second Edition: Consolidating ISO/IEC 10646: 2003 and Amendment 1 - 8 into a New Edition of ISO/IEC 10646)	M.Suignard	3	-	-	09-05			
15285	ISO/IEC TR 15285: 1998	Information technology -- An Operational Model for Characters and Glyphs [Technical Report Type 3]					- Published: 1998-12-15			

* =Target for completion

Target Dates: WD: Introduction of the first edition of WD by editors, CD: Registration of the first CD/PDAM (and subsequent CDs/PDAMs), FCD: Registration of FCD/FPDAM, FDIS: Submission of text for FDIS/FDAM processing, IS: Publication

Stages: 0: A study period under way, 1: An NP is under consideration, 2: A WD is under consideration, 3: A CD/FCD is under consideration, 4: An FDIS is under consideration, 5: An International Standards (IS) is being prepared, -: Published

5. Other Achievements:

1. Updated the World Wide Web site for WG2 and posted an increasing number of documents to the site. The URL is at <http://www.dkuug.dk/JTC1/SC2/WG2>. Mike Ksar, the convener, is also the web master.
2. No paper distribution since meetings 40. Documents were available on the web site for downloading and accessing online. WG2 expects that this would be the norm for distributing WG2 documents. Hosting organizations make hard copy of meeting documents available at every meeting, for use by officers.
3. Worked proactively with experts and liaison organizations who submitted contributions for inclusion in 10646:2003, Amendments 1, 2, 3, 4, 5, 6, 7 and 8 as well as the consolidated 2nd edition that include these amendments.
4. Approved the Road Map snapshot document ([N3652](#)) in October 2009.
5. Approved a new updated Principles & Procedures ([N3452](#)) in May 2008.

6. Proposals for future WG2 meetings:

1. Announce publication of amendment 6 by ITTF.
2. Process FDAM 7 in JTC1
3. Process FPDAM 8 in SC2.
4. Process FCD – 2nd edition of ISO/IEC 10646 that includes all amendments since the first edition publication on 2003-12-15.
5. Update the Roadmaps of 10646
6. Update Principles & Procedures
7. Review additional contribution experts of national bodies, liaison organizations and others.

7. SC2 issues for consideration/approval:

1. Approve the disposition of comments on Amendment 7 and process it as an FDAM with unchanged target completion dates.
2. Approve the disposition of comments on Amendment 8 and process it as an FPDAM with unchanged target completion dates.
3. Approve the disposition of comments on the CD for the next edition and process it as an FCD with an updated target completion date per the resolutions of meeting 55.
4. Approve appointment of the new Rapporteur of the IRG Dr. Lu Qin for a new term that ends at the next SC2 plenary meeting.
5. Approve the resolutions of meeting 55 in Tokyo in October 2009-10-29
6. Request approval to change the title of the FCD to “Universal Character Set” and taking out the words “Multiple-Octet” and forward such request to JTC1 for their approval, if necessary.
7. Approve future meetings of SC2/WG2 – Meetings 56 and 57 (twice/per year) as follows:

Meeting 56	2010-04-19/23	San Jose, CA, USA
Meeting 57	2010-10/04/08	Busan, R. O. Korea
Meeting 58	2011-04-11/15	Helsinki, Finland with SC2 plenary (pending confirmation)
Meeting 59	Fall 2011	Mountain View, CA, USA (pending confirmation)

8. Reconfirm Project Editor Mr. Michel Suignard
9. Add Dr. Asmus Freytag and Rick McGowan as Contributing Editor
10. Review and appoint liaison coordinators until next SC2 plenary
11. Appoint Debbie Anderson as SC2 representative for Devco
12. Forward request from SC2 to SC6, per document N3732, asking input and feedback on FCD
13. Post latest snap shot of the Roadmap (N3652) to SC2 web site.

8. WG2 Liaisons

WG2 continues to work very closely with the following liaison organizations.

- The Unicode Consortium
- Taipei Computer Association (TCA)
- Hong Kong Information Technology Federation (HKITF)
- W3C
- IETF
- SEI – UC Berkeley

In addition, WG2 has worked very closely with the following working groups but no official liaison exists between them and WG2.

- ISO TC37/SC2
- ISO/TC46/SC2
- SC22 – Programming Languages

8. Mailing List

The average number of recipients of WG2 documents is about 100. Their national bodies or individuals that are linguistic and/or technical experts on coding technology nominate them. The number of attendees, representing about 19 national bodies, 3 liaison organizations and 18 affiliations, is now steady at an average of 35 people per meeting. There are approximately 200 technical experts who actively provide input to our working group.