



For IEC use only

SMB/4390/R

2010-12-20

INTERNATIONAL ELECTROTECHNICAL COMMISSION

STANDARDIZATION MANAGEMENT BOARD

SUBJECT

SMB Meeting 140, agenda item 10.2, Geneva

Report of TC 100/AGS after the meeting held 2010-10-11 in Seattle, USA.

BACKGROUND

TC 100/AGS held a meeting 2010-10-11; its next meeting is planned for 2011-04-26 at Madrid.

The report is in two parts:

Part A – Recommendation submitted to the SMB for formal approval: A1 1010/1, A1 1010/2, A1 1010/3

Part B – Other items of interest

SMB members' attention is drawn to the information given under item(s) B.1 and B.2 and the TC 100/AGS list of action items given in Annex 1.

ACTION

The SMB is invited to note the report from TC 100/AGS. Members are invited to inform the SMB Secretariat of any items in Part B of the report that members would like to discuss further at the next SMB meeting **before 2011-01-28**, using the IEC Technical Server, attention J. Lacroix.

Part A: recommendations for approval

A 1 Relation between TC 100/TA 10 (multimedia e-publishing and e-book) and “IDPF & EPUB”

BACKGROUND

In this meeting, TC 100/AGS received the presentation by IDPF titled “IDPF & EPUB.” The presentation material is attached in Annex 3. Through this presentation, TC 100/AGS has identified IDPF as most influential in this standardization area. TC 100 is right now preparing the Category D liaisonship with IDPF.

E-publishing and e-book standardization is one of the most important issues within the scope of TC 100. TC 100 has already established TA 10 that has the title “Multimedia e-publishing and e-book.” TC 100 has already published IEC TS 62229, IEC 62448 and IEC 62524, and developing IEC 62605 and IEC 62665 in TA 10.

TC 100/AGS is recognizing that “publishing” is one of the issues in ISO and also “e-publishing and e-book” is relevant to ISO/IEC JTC 1.

Recommendation 1010/1

TC 100/AGS invites SMB to send a statement to TMB to inform IEC/TC 100 standardization activities on e-publishing and e-book.

Recommendation 1010/2

In this statement, AGS also recommends SMB to invite TMB to reduce the overlapping in this standardization area with ISO TCs/SCs including ISO/IEC JTC 1.

Recommendation 1010/3

TC 100/AGS recommends SMB to support a Category D Liaison between IDPF and TC 100 when submitted.

Part B: other items of interest

B.1 Follow-up of other issues of the 28th meeting

- (1) Terrestrial digital TV receiver based on DTMB
 - Mr. Subing Zhang made the presentation and he has been requested to submit an NP to TA1 relevant to receivers for Chinese Digital Broadcasting Systems.
- (2) Conceptual model for Internet TV
 - Mr. Huayi Zhan reported and there was the discussion for establishing Stage 0 project. AGS requests AGM to set it up.
- (3) Digital Cinema
 - Mr. Hideki Ohtaka reported SMPTE activities on Digital Cinema Standardization activities.
- (4) Energy efficiency
 - Ms. Jean Baronas reported the current status of SMB/SG.1.
 - Mr. Norimasa Minami reported the current status of related smart grid in IEC
 - Dr. Shuji Hirakawa reported what were discussed at the SG3 workshop held in July
 - Mr. Norimasa Minami reported highlights of the SG4 meeting in September, Washington DC.
- (5) High-level meeting of ITU-T, ISO/IEC JTC 1, ETSI and IEC/TC 100
 - Mr. Tadashi Ezaki reported the high-level meeting of ITU-T, JTC 1 and TC 100 held in Heidelberg, May 2010.

- (6) Amendment to IEC 61998 (Model and framework for standardization in multimedia equipment and systems)
 - Mr. Jun-ichi Yoshio proposed the amendment.
- (7) Contactless power transmission
 - Ms. Megan Hayes reported the TC 100 position on this topic.
- (8) 3D Technology
 - Mr. Jon Fairhurst reported the current status of 3D technology.
- (9) Task Group for Post-PACT activities for future TC 100 standardisation (Activities of future technology task group: user requirements for future TC 100 standardization)
 - Dr. Mikio Mukai reported outcomes of the meeting held in the morning of the same day.

B.2 New proposals

- (1) IDPF activities
 - Mr. Tadashi Ezaki reported liaison with IDPF and AGS agreed this action. AGS recommends AGM to consider this liaisonship.
 - AGS requests SMB to support this action and to send the statement to TMB.
- (2) MIDI
 - Mr. Tom White reported the requirements for IS for MIDI standards
- (3) Reorganization of TC 100
 - Mr. Norimasa Minami reported the new structure of TC 100. AGS basically agreed the proposal but requested to reconsider the scope of new TA 14.
- (4) Personal space communication
 - Dr. Seung-Moem Ryu introduced the presentation. TA 4 and TA 9 have been requested which TA would deal with this NP

B.3 Next Meeting schedule

The next meeting is on April 26th 2011, in Madrid, Spain.

The second next meeting is on October 24th in Melbourne, Australia in conjunction with IEC GM.

The following are the agreed action items as the result of the meeting:

Review of agreed action items

Chairman presented the following XX action items as the conclusion of this AGS meeting and AGS approved them.

Recommendations and agreed action items, at the 28th AGS meeting on October 11th, 2010

1. AGS recommends that the document 100/AGS410 should be forwarded to TA 1 for discussing the NP submission.
2. AGS requests AGM to establish a stage 0 project to survey and clarify the conceptual model for internet TV and its services.
3. AGS thanks Mr. Ohtaka for his report and requests him to report updated information for SMPTE activities on digital cinema.

4. AGS accepts the reports of AHG and TGs (documents 100/AGS421, 413, 425 and 414) and requests the TGs to provide TC 100 requirements to the SMB/SGs.
5. AGS thanks Mr. Ezaki for his report on the high-level adhoc meeting and requests him to encourage the coordination activities with ITU-T, ISO/IEC JTC 1 and ETSI.
6. AGS accepts the document 100/AGS424 as an interim report of the FT-TG and requests the group to submit the final report in 2011.
7. AGS accepts the proposal for amendment to IEC 61998, and requests AGM to take a processing for development of the amendment.
8. AGS accepts the document 100/AGS426 as a draft TC 100 position on contactless power transmission.
9. AGS accepts the document 100/AGS420 as a draft TC 100 position on 3D technology and requests Mr. Fairhurst to finalize the strategy including today's discussions.
10. AGS recognizes that international standardization of EPUB could be important for EPUB users and IDPF, and requests AGM to establish a category D liaison between IDPF and TC 100.
11. AGS recognizes the urgent requirements for international standardization of MIDI and requests AGM to establish a category D liaison between MAA/AMEI and TC 100.
12. AGS reviewed the proposals 100/AGS406 and 419, and requests AGM to discuss the proposals in its meeting.
13. AGS recommends that the documents 100/AGS411 and 422 should be forwarded to TA 4 and TA 9 respectively for discussing the NP submissions.
14. AGS thanks Dr. Grant for her report and requests her to report updated information of JTC1/SC 29 activities.
15. The next AGS meeting will be held in 26 April 2011 in Madrid.
16. AGS expresses its appreciation to US National Committee for handling arrangements of the AGS meeting.

Annex 1 (No change since the last approval by SMB)

The list of TC 100 AGS members

Chairman	Mr./Dr. Yushi Komachi	JP NC
Secretary	Mr./Dr. Shuji Hirakawa	TC 100 Secretary
AGS Secretary	Mr. Norimasa Minami	TC 100 Assistant Secretary
Members	Mr. Mark Hyman	TC 100 Chairman
	Mr. Tadashi Ezaki	TC 100 Assistant Secretary
	Mr. Matei Cocimarov	IEC/CO
	Ms. Jean Baronas	North America – US NC
	Mr. David Felland	North America – US NC
	Ms./Dr. Kate Grant	Europe – UK NC
	Ms. Megan Hayes	North America – US NC
	Ms. Ulrike Haltrich	Europe – Digital Europe

	Mr. Keith Jones	Oceania – AU NC
	Mr. Shuichi Matsumura	Asia – JP NC
	Mr./Dr. Mikio Mukai	Asia – JP NC
	Mr. Eric van Nijhuis	Europe – DigitalEurope
	Mr. Pekka Talmola	Europe – DigitalEurope
	Mr. Dietrich Westerkamp	Europe – DigitalEurope
	Mr. Junichi Yoshio	Asia – JP NC
	Mr. Subing Zhang	Asia – CN NC

Annex 2
Attendees at Seattle / USA meeting

Name	Title / Function	
Participating members (17)		
Mr./Dr. Yushi Komachi	AGS Chairman	
Mr./Dr. Shuji Hirakawa	TC 100 Secretary	
Mr. Norimasa Minami	AGS Secretary (TC 100 Assistant Secretary)	
Mr. Mark Hyman	TC 100 Chairman	
Mr. Tadashi Ezaki	TC 100 Assistant Secretary	
Mr. Matei Cocimarov	IEC/CO	
Ms. Jean Baronas	AGS	
Mr. David Felland	AGS	
Ms./Dr. Kate Grant	AGS	
Ms. Megan Hayes	AGS	
Ms. Ulrike Haltrich	AGS	
Mr. Keith Jones	AGS	
Mr. Shuichi Matsumura	AGS	
Mr./Dr. Mikio Mukai	AGS	
Mr. Eric van Nijhuis	AGS	
Mr. Junichi Yoshio	AGS	
Mr. Subing Zhang	AGS	
Not participating members (2)		
Mr. Pekka Talmola	AGS	With regret
Mr. Dietrich Westerkamp	AGS	With regret
Guest (13)		
Mr. Jack Holm	TA 2 TAM	
Mr./Dr. Jae-Young Lee	TA 4 TAM	
Mr. Hideki Ohtaka	TA 6 TAM	
Prof. Hiroaki Muraoka	TA 7 TAM	

Name	Title / Function	
Mr. James Williamson	TA 9 TAM	
Mr. Yashio Uemura	TA 10 TAM	
Mr. John Fairhurst	TA 12 TAM	
Mr. Richard Valenta	Secretary of CLC/TC206, AS	
Mr. Brian Markwalter	CEA, USA	
Dr. Seung-Moem Ryu	PicoCast Forum, KR	
Mr. Tom White	MMA, USA	
Mr. Stephen Wood	USB-IF, USA	
Mr. Huayi Zhan	Changhong, CN	
Observers (17)		
Mr. Hiroyuki Iga	TA 1 and TA 12 TS	
Mr. Choi Kwang-soon	TA 4 TS	
Mr. Eero Sorri	TA 5 TS	
Mr. Hironori Sakakihara	TA 8 TS	
Mr. Fan Kefeng	CN	
Prof. Chen Ren	CN	
Mr. Andreas Schneider	DE	
Mr. Kaz Hikawa	JP	
Mr. Satoshi Kageyama	JP	
Mr. Shiburo Tokano	JP	
Mr. Koji Tsukada	JP	
Mr. Toshihiro Inokuchi	JP	
Mr. Jaeho Lee	KR	
Mr. Nam Ock	KR	
Mr. Jeff Howell	US	
Mr. Stephen P. Oksala	US	
Ms. Grace Wei	US	

Annex 3
Presentation of IDPF at the meeting



Introduction to IDPF & EPUB

Bill McCoy
Secretary, IDPF EPUB WG
October 11, 2010
Seattle

What is IDPF?

- International Digital Publishing Forum
- Non-profit Trade and Standards organization for Digital Publishing
- Established 2001 (initially Open eBook Forum)
- 150+ members from 25+ countries: publishers, nonprofits, and HW/SW/ services providers

What is EPUB?

- EPUB is the XML-based open standard file format for downloadable books and other digital publications
- EPUB facilitates the creation and transport of single-file digital publications, interoperable between reading devices & applications, and accessible to the visually impaired
- Standard developed and maintained by IDPF since 1999 (originally OEBPS, EPUB since 2007)
- Components include structure/metadata schema (OPF), XHTML/CSS/SVG content (OPS), ZIP packaging with XML manifest based on ODF (OCF)
- Aligned with DAISY accessibility standard



Timeline: EPUB Industry Adoption

- June 2007: Adobe Digital Editions & InDesign w/ EPUB support
- October 2007: Sony Reader w/ EPUB support

- May 2008: Assoc. American Publishers (AAP) endorses EPUB
- October 2008: UK Publishers Association endorses EPUB

- March 2009: Google publishes 1M+ public domain books in EPUB
- August 2009: Sony moves US eBookstore to EPUB (EOL for BBeB)
- October 2009: Barnes&Noble Nook w/ EPUB (EOL for eReader)

- April 2010: Apple iPad and iBooks, EPUB as sole format

EPUB 3.0 Goals

- Expand usefulness of EPUB for visually complex, interactive, and media-rich publications
 - Textbooks, scientific and professional publishing, magazines
- Expand EPUB's applicability for global content
- Improve EPUB standard consistency, implementation conformance, accessibility support, and ease of content authoring
- Increase Web Standards alignment (HTML5)

Timeline: EPUB 3.0 Process

- May 2010: Working Group charter approved
- October 2010: First internal working draft
- December 2010: First public Working Draft
- January 2011: Draft Standard for Trial Use
- May 2011: Final Specification