INTERNATIONAL ELECTROTECHNICAL COMMISSION

TECHNICAL COMMITTEE No. 100: AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT

Resolution list of the eighteenth TC 100 meeting held on 26th October 2012 in Berlin, Germany.

Resolution 1:

TC 100 thanked Mr. Gerhard Henninger for his very informative introduction of DKE and for his kind and excellent coordination for TC 100 meetings this week.

Resolution 2:

TC 100 noted that Mr. Norimasa Minami, a TC 100 Assistant Secretary and TA 9 TS is leaving TC 100 and Mr. Toshihiro Inokuchi and Mr. Katsuyoshi Naka will take over Mr. Minami’s positions of TC 100 Assistant Secretary and TA 9 TS respectively. TC 100 thanked Mr. Minami for his long term and excellent contributions to TC 100.

Resolution 3:

TC 100 confirmed the previous meeting minutes 100/1948/RM in Melbourne 29th October 2011.

Resolution 4:

It was noted that Ms. Donna Sadowy was appointed as the TAM of TA 13 replacing Dr. Ferdinand Hermann, 100/1962/AC and 100/1976/AC.

Resolution 5:

TC 100 thanked Mr. Matei Cocimarov, IEC CO for his presentation on recent IEC topics and information, 100(Berlin/IEC CO)29.

Resolution 6:

TC 100 celebrated the following five recipients of IEC 1906 Awards 2012 from TC 100:

Mr. John Woodgate  
Mr. Peter Mapp  
Mr. Satoshi Kageyama  
Mr. Koji Tsukada  
Mr. Hong Zhang  
UK  
UK  
JP  
JP  
CN

Resolution 7:

It was noted that TC 100 conducted a trial for three-month CDV voting period for a year and reported to SMB indicating that TC 100 did not find any problem, as in
Resolution 8:
It was resolved that the TC 100 will continue the trial to shorten preparation time for French version of document to 30 days recognizing that it is better for faster standardization. TC 100 Secretariat will communicate and cooperate with French NC to achieve faster preparation of French version of document.

Resolution 9:
It was resolved that the appointments of TC 100 AGS chairman and AGS members are approved by TC 100 instead of SMB, as in 100(Berlin/Secr)01. It was approved to appoint Ms. Shazia McGeehan and Mr. Jon Fairhurst as members of AGS from America region replacing Ms. Megan Hayes and Ms. Jean Baronas respectively.

Resolution 10:
TC 100 resolved to pay special attention to the recommendations of AGS as given in document 100(Berlin/AGS)11:

- TC 100/AGS confirmed the appointment of Mr. Jon Fairhurst and Mr. Toshihiro Inokuchi as a new AGS member and AGS secretary respectively.
- TC 100/AGS requests Study Session 1(SS 1) to investigate 3D terminology being standardized by TC 110 and to report TC100 specific terminology that is not yet dealt with by TC 110 at the next AGS. AGS recommends AGM create Stage 0 project for this work.
- AGS requests SS1 to clarify the anticipated 3D and combining 3D/UHD issues to be standardized within the scope of TC100 and requests SS1 to request CEA to introduce CEA-2038 to TC 100.
- AGS accepts the report of SS 4, and recommends that the issues of measurement of stand-by power and network stand-by should be dealt with in TA12, 13 or 14 for standardization and disbanding SS 4.
- AGS requests TC100 to accept the proposal of new TA on Wireless Power Transfer (WPT) after clarification of its TAM, title and scope considering the technical boundary between the new TA and JTC 1 groups on WPT.
- AGS requests Mr. Inokuchi to prepare a new SS 6 to begin the preliminary discussions for the robotics technology within the scope of TC 100.

Resolution 11:
TC 100 resolved to accept the report of AGM as given in document 100(Berlin/AGM)12, where the following items need special attention/actions:

- The IEC TC 100 AGM thanked IEC CO for providing useful information on drafting IEC publications, as in 100/AGM/(CO)956 and 957. The IEC TC 100 AGM encourages all TC 100 members to participate in the editing committee's meeting, as in 100/AGM (Woodgate)958.
- The IEC TC100 AGM thanked Mr. Sorri for his proposal on the TA 5 working group formation and accepted the proposal to change the scope of TA 5, as per 100/AGM(TA 5)979.
- The IEC TC 100 AGM accepted the new approval procedure for NPs. The IEC TC 100 AGM determined that NP and CDV simultaneous circulation applies depending on the maturity of the document. If a proposal e.g. consists of only an outline or a PowerPoint presentation it will not be accepted as a well developed document. The TC 100 AGM agreed to encourage proposer to make efforts to gather five countries in case of non-mature document.
• The IEC TC 100 AGM agreed to appoint Ms. Wei as representative to DLNA, replacing Mr. Minami.
• The IEC TC100 AGM agreed to appoint Ms. Sadowy as representative for JTC 1/SC 39 from IEC TC100.
• The IEC TC 100 AGM noted the liaison statement from ITU-T SG 5 as in COM 5-LS 119-E. The AGM is concerned about a potential conflict of work of PT 62700 and requested TA 14 officers and liaison representative on PT 62700 to respond to the statement.
• The IEC TC 100 AGM asked TA 9 officers and TC 100 secretaries to nominate the TC 100 expert for ACTEL who will replace Mr. Minami.
• The IEC TC 100 AGM agreed to establish a new TA for wireless power transfer and to request the TC 100 secretariat to finalize the title, scope and officers by the next TC 100 AGS, AGM meeting. The US NC will propose Dr. Grajski as a new TAM.
• The IEC TC 100 AGM nominated Dr. Fan as the PL of the new stage 0 project concerning 3D terminology.

Resolution 12:
TC 100 resolved to accept the report of TA 1 as given in document 100(Berlin/TA1)08.
• For stage 0 project on smart television. The terms of reference and schedule were reviewed and agreed in the TA 1 meeting on Wednesday 24, October 2012
• It was suggested that we need to watch recent technology development carefully for the smart television discussion

TC 100 Programme of Work and SBP will be updated accordingly.

Resolution 13:
TC 100 resolved to accept the report of TA 2 as given in document 100(Berlin/TA2)19.
TC 100 Programme of Work will be updated accordingly.

Resolution 14:
TC 100 resolved to accept the report of TA 4 as given in document 100(Berlin/TA4)20, where the following items need special attention/actions:
• To approve the change of the scope:
  To develop international publications for digital interfaces and protocols primarily related to audio and video for consumer and professional digital equipment, systems and applications within the scope of TC 100 including:
  - Digital audio, video, audiovisual signal encoding and decoding
  - Interfaces, protocols and control mechanisms
  - Requirements for electrical characteristics such as sample rate, bandwidth, quantization, format, code, synchronization and clock
  - Measurement methods and measuring devices for parameters such as levels, distortion, noise, audible and/or visible effects caused by system errors
• To approve to modify the project number to represent the series of PT 62767. The titles of the series will be:
  IEC 62767: Air Interface Protocol for local broadcasting
  - Part 1: Uni-directional multilingual broadcasting
  - Part 2: Bi-directional village broadcasting
  - Part 3: Individual mobile broadcasting
To accept that Gigabit Video Interface (GVIF) will be developed under the TA4, and the NP will be submitted by TA4. For prompt standardization, TA4 requests TC100 for simultaneous CDV balloting procedure with the NP document accordingly.

To establish a liaison with IEEE 1722 (AVB Transport Protocol (AVBTP)), which is managed by the chairman, Mr. Robert Boatright, to promote cooperation with TA 4 projects.

TC 100 Programme of Work and SBP will be updated accordingly.

**Resolution 15:**

TC 100 resolved to accept the report of TA 5 as given in document 100(Berlin/TA 5)21, where the following items need special attention/actions:

- To approve the change of the scope

  To develop international standards and other publications relating to cable networks including equipment and associated methods of measurement for headend reception, processing and distribution of television and sound signals and for processing, interfacing and transmitting all kinds of data signals for interactive services using all applicable transmission media. These signals are typically transmitted in networks by frequency-multiplexing techniques.

  This includes for instance
  - Regional and local broadband cable networks,
  - Extended satellite and terrestrial television distribution systems,
  - Individual satellite and terrestrial television receiving systems,
  and all kinds of equipment, systems and installations used in such cable networks, distribution and receiving systems.

  The extent of this standardization work is from the antennas and/or special signal source inputs to the headend or other interface points to the network up to the terminal input of the customer premises equipment.

  The standardization work will consider coexistence with users of the RF spectrum in wired and wireless transmission systems.

  The standardization of any user terminals (i.e. tuners, receivers, decoders, multimedia terminals etc.) as well as any coaxial, balanced and optical cables and accessories thereof is excluded.

- To approve to adopt WG structure for TA 5 projects as in 100/AGM(Sorri)980.

TC 100 thanked Dr. Halme for his additional report on “Digital Dividend.”

TC 100 Programme of Work and SBP will be updated accordingly.

**Resolution 16:**

TC 100 resolved to accept the report of TA 6 as given in document 100(Berlin/TA 6)22, where the following items need special attention/actions:

- To approve the change of the title and scope

  New Title: Storage media, storage data structures, storage systems and equipment

  New Scope: The study of applicable technology and the development of standards for storage media, data structures, systems and equipment related to multimedia applications for professional and consumer electronics. These include file formats, file exchange, metadata, applications and related technologies.

- To approve the extension of target dates for PT 62702-1 and -2 to 2013-05 for CD, 2013-11 for CDV and 2014-07 for FDIS.

- To approve the change of the type of deliverable for IEC 62702-2 from International Standard to Technical Specification.
- An NP on professional tapeless camera recorder will be expected after review in the project team
- The following publication to be stabilized:
  IEC 61834-11: Recording - Helical-scan digital video cassette recording system using 6.35 mm magnetic tape for consumer use (525-60, 625-50, 1125-60 and 1250-50 systems) - Part 11: HDV format for 1080i and 720p systems

TC 100 Programme of Work and SBP will be updated accordingly.

**Resolution 17:**
TC 100 resolved to accept the report of TA 8 as given in document 100(Berlin/TA 8)23.
TC 100 Programme of Work and SBP will be updated accordingly.

**Resolution 18:**
TC 100 resolved to accept the report of TA 9 as given in document 100(Berlin/TA 9)24.
TC 100 Programme of Work and SBP will be updated accordingly.

**Resolution 19:**
TC 100 resolved to accept the report of TA 10 as given in document 100(Berlin/TA 10)25, where the following items need special attention/actions:

- TA10 accepted the following statement to be sent to ISO/IEC JTC 1 SC 34 and its copy to be sent to ISO TC 46:
  IEC TC100 TA10 will be delighted to participate in the JWG to be set up between ISO/IEC JTC 1 SC 34, ISO TC46 and IEC TC 100 TA10 to collaborate on the development of standards relating to the EPUB specification.
- TA10 notes that Korea intends to submit the EPUB 3 specification to ISO/IEC JTC 1 to be processed as a fast track in ISO/IEC JTC 1 SC 34. TA10 also notes the process will initially result in a Technical Specification and that it is intended that the maintenance of this and other related standards will become the responsibility of the JWG. TA10 welcomes the opportunity that ISO/IEC JTC 1 SC 34 are providing for the consideration of TA10 comments on the fast track text during the handling of the fast track ballot comments in accordance with Resolution 2 of the London ISO/IEC JTC 1 SC 34 Plenary resolutions (SC34 N1852).
- TA10 would like to nominate the following experts to participate in the JWG; Dr. Kate Grant and Mr. Yoshihisa Narui

TC 100 Programme of Work and SBP will be updated accordingly.

**Resolution 20:**
TC 100 resolved that it will participate in the JWG on EPUB standardization between ISO/IEC JTC 1, ISO TC 46 and IEC TC 100 which will be administered by JTC 1 SC 34.

**Resolution 21:**
TC 100 resolved to accept the report of TA 11 as given in document 100(Berlin/TA 11)26, where the following items need special attention/actions:

- To approve new target dates for PT 62760 (Loudness) and PT 62777 (Small sound field)
Since PT 62760 had needed to consider the progress of the related activities in EBU, ITU-R, making of WD is behind the schedule. PT 62777 also needs to consider various sound sources, WD is behind the schedule.


- NP allocation to TA11

AGS Study Session 1 reported quality issue of 3D video system, this includes 7 standardization items. Dr. Fan explained these at TA11 meeting, and the importance of these items was recognized. At first, test sequences for quality evaluation will be proposed.

Regarding NP allocation to TA 11, TC 100 resolved to request SS 1 of AGS and TA 11 officers to consider future possible projects and relation with TC 110 and report to AGS.

TC 100 Programme of Work and SBP will be updated accordingly.

**Resolution 22:**

TC 100 resolved to accept the report of TA 12 as given in document 100(Berlin/TA 12)27, where the following items need special attention/actions:

- To request IEC CO to study on-line content delivery regarding the test material for IEC 62087
- Australian NC has submitted an NP for Computer Monitor power consumption measurement to the TC100 secretariat. There is possible future work related to networked standby and measurement of power of 3D displays.

TC 100 Programme of Work and SBP will be updated accordingly.

**Resolution 23:**

TC 100 resolved to accept the report of TA 13 as given in document 100(Berlin/TA 13)16, where the following items need special attention/actions:

- IEC 62075 (Ed.2.0 Audio/video, information and communication technology equipment – Environmentally conscious design). This project will be transferred to TA13 from TC108. TA13 works with TC100 secretariat on the formal communication to transfer the standard. And TA13 will call for experts for its maintenance.
- TA 13 is going to start develop TR for quantification methodology for energy and carbon impact for computers and display devices. TA 13 will circulate a DC for stage 0 and call for experts.

TC 100 SBP will be updated accordingly.

**Resolution 24**

TC 100 resolved to accept the report of TA 14 as given in document 100(Berlin/TA 14)28.

TC 100 appreciated the joint press release on IEC 62680, Universal Serial Bus interfaces for data and power interface and thanked Mr. Jeff Ravencraft and USB-IF for their great contribution to the standardization.

TC 100 Programme of Work and SBP will be updated accordingly.

**Resolution 25:**

TC 100 resolved to accept the report of Projects as given in document 100(Berlin/Secretariat)14, where the following items need special attention/actions:
To cancel PT 62045-2 as the draft text for privacy protection is already prepared and included into the draft revision of TC 100 Guidelines and Procedures.

To approve extension of target date for PT 62608 -3 and -4, to 2013-04 for CD in order to apply the latest advanced network technologies, some of which are developed by ITU, IETF and others.

For, PT 62827, schedule and action items were clarified in the project meeting which was held 2012-10-24. CD and CDV will be prepared around next spring and fall 2013, respectively.

TC 100 Programme of Work will be updated accordingly.

Resolution 26:

TC 100 resolved to accept the report of stage 0 project PWI 100-7 on AAL as given in document 100(Berlin/PWI 100-7)09, where the following item need special attention/actions:

- Further outreach activities will be continued.
- Existing TC100 liaisons to be contacted in relation to project:
  - JTC 1/SC35 User Interfaces: Dr. Kate Grant
  - ISO TC 159 Ergonomics: Ms. Ulrike Haltrich
  - ITU-T Focus Group Audio Visual Media: Ms. Ulrike Haltrich

TC 100 thanked Ms. Ulrike Haltrich and Dr. Kate Grant for their excellent leadership for this project and study session in AGS.

Resolution 27:

TC 100 resolved to accept the report of stage 0 project PT 0 on wireless power transfer as given in document 100(Berlin/PT 0)10.

TC 100 thanked Mr. Shuichi Matsumura and Dr. Kamil Grajski for their excellent leadership and editorship for this project respectively.

Resolution 28:

TC 100 resolved to accept the report of GMT as given in document 100(Berlin/GMT)18.

TC 100 Programme of Work will be updated accordingly.

Resolution 29:

TC 100 resolved:

- TC 100 accepts the liaison report from AES in document AES Standards Liaison Bulletin 2012-08-06 and AES Standards Committee Liaison report September 2012.
- TC 100 accepts the liaison report from ATSC provided by Mr. Jeff Howell in document 100(Berlin/Howell)03.
- TC 100 accepts the liaison reports from SMPTE provided by Mr. Hideki Ohtaka in document 100(Berlin/Ohtaka)04 and 05.
- TC 100 thanked JTC 1/SC 29 on the liaison statement, 29n13072 and 29n13073.
- TC 100 thanked ISO TC 42 to provide liaison report ISO/TC 42 N 5997.
- TC 100 thanked IEC TC 110 to provide liaison report 100(Berlin/Secretariat)06.
- TC 100 thanked Mr. Andreas Schneider for his report on TC 111 in document 100(Berlin/Schneider)15.
Resolution 30:
TC 100 resolved to approve existing TC and TA liaisons in document 100(Berlin/Sectariat)07.

Resolution 31:
TC 100 resolved to approve the programme of work as updated (100/2057/PW)

Resolution 32:
TC 100 resolved to approve the SBP as described in TC 100 SBP and reports from TAs.

Resolution 33:
TC 100 resolved to approve the revision of TC 100 Guidelines and Procedure as described in 100(Berlin/Secr)13.

Resolution 34:
TC 100 announced that the next AGS/AGM meeting will be held on 5th and 6th June, 2013, respectively in London, UK kindly hosted by UK NC and BSI.

TC 100 announced that the next TC 100 plenary and related meetings will be held in the fall of 2013, possibly in China.

Resolution 35:
TC 100 expresses appreciation to the German National Committee and DKE especially Ms. Melanie Feuerriegel and Ms. Yuanchao Chen for facilitating the IEC TC 100 meetings held this week at the Seminaris Campus Hotel Berlin and Convention Centre and providing excellent facilities, lunch, refreshments and a wonderful dinner.