



100/AGS614

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

TECHNICAL COMMITTEE NO 100: AUDIO, VIDEO AND MULTIMEDIA SYSTEMS AND EQUIPMENT

ADVISORY GROUP on STRATEGY (AGS)

Minutes of the 36th AGS meeting on 2014-11-04

Meeting time: 9:00 – 16:15

Meeting Place: Tokyo International Forum (Room: G502)

5-1 marunouchi 3-chome, Chiyoda-ku, Tokyo 100-0005 JAPAN

Attendees: total 57 present

[Members, 14 present (include 0 over phone)]

AGS Chairman: Mr./Dr. Yushi Komachi, JP

AGS Secretary: Mr. Toshihiro Inokuchi, JP, TC100 Assistant Secretary

Mr. David Felland US, TC100 Chairman

Mr. Tadashi Ezaki JP, TC100 Secretary

Mr. Koichi Hasebe JP, TC100 Assistant Secretary

Ms. Alayne Bell, US CEA

Mr. Jon Fairhurst, US, TA12/TAM

Ms. Kate Grant, UK, TA16/TAM

Ms. Ulrike Haltrich, DE, Digital Europe, TA16/TS

Mr. Shuichi Matsumura, JP, TA8/TAM, TA14/TAM

Mr. Ock-Woo Nam, KR, TA15/ATS

Ms. Grace Wei, US, TA9/TAM

Mr. Junichi Yoshio, JP TA11/TAM

Mr. Hong Zhang, CN

[Guests, 12 present (include 0 over phone)]

Mr. Matei Cocimarov, IEC CO

Dr. Shuji Hirakawa, JP, IEC SMB JP NC

Mr. Yukka Albe, FI, TA5/TS

Mr. Hideki Ohtaka, JP, TA6/TAM

Mr. Hironori Sakakihara, JP, TA8/TS, TA14/TS

Mr. Katsuyoshi Naka, JP, TA9/TS

Mr. Yoshihisa Narui, JP, TA10/TS

Ms. Donna Sadowy, US, TA13/TAM

Mr. Tsuyoshi Naruoka, JP, TA13/TS

Mr. Jae-Young Lee, KR, TA4/TAM

Mr. Jack Holm, US, TA2/TS

Mr. Kwang-Soon Choi, KR TA4/TS

[Liaisons, 5 present (include 0 over phone)]

Mr. Jeff Howell, US, ATSC

Mr. Guido Gybels, UK, European Blind Union

Mr. Jeffrey Ravencraft, US, USB-IF
Mr. Yoshihiko Shibahara, JP, TC110
Mr. Shinichi Uehara, JP, TC110

[Dependency, 2 present]

Ms. Veronica Lancaster, US, CEA
Mr. Hiroyuki Ishii, JP, JEITA

[Observers, 24 present]

Mr. Kai Cui, CN
Ms. Li Wang, CN
Mr. Chao Xu, CN
Mr. Arum Sachdeva, IN
Mr. Hideo Arahama, JP
Ms. Rei Atarashi, JP
Mr. Gen Ichimura, JP
Mr. Takahito Iida, JP
Mr. Tomohiro Inagaki, JP
Mr. Masato Iwabuchi, JP
Mr. Koichi Morioka, JP
Mr. Tomohiro Nagano, JP
Mr. Motoharu Suda, JP
Mr. Nobuyuki Takakuwa, JP
Mr. Akira Takeuchi, JP
Mr. Ken Miyamoto, JP
Mr. Takashi Hatakeyama, JP
Mr. Keisuke, Matsui, JP
Dr. Yauo Tan, P
Dr. Masahiro Kawamori, JP
Mr. Han-Seung Koo, KR
Mr. Munhwan Han, KR
Ms. Gain Oh, KR
Mr. Michael Dolan, US

Discussions:

0. The IEC TC100 AGS meeting was called to order at 9:00AM by Chairman, Dr. Komachi. Mr. Inokuchi substituted for the IEC TC100 AGS Secretary.
0. Roll call: Chairman requested the roll call of attendees.
- 1.0. Opening and reconfirmation of the AGS scope (100/AGS/233rev)
The review of the AGS scope was led by IEC TC100 AGS Chair, Dr. Komachi.
- 1.1. Host remark: Chairman asked Mr. Ishii of JEITA for host remark.
Mr. Ishii welcomes all participants to the meeting in Japan followed by the explanation of several social events (100/AGS608).
- 2.0 Approval of the agenda (100/AGS589)
No additional items or modifications were received. The agenda was confirmed.
Because two documents were submitted on the day of AGS meeting, new document numbers were assigned to them (100/AGS611 for the report about Study Session 7 and 100/AGS612 for the report about Guide 71).
- 3.0 Review of the minutes of the previous meeting (100/AGS588)
The minutes of the previous IEC TC100 AGS meeting were reviewed led by AGS Secretary. The previous meeting was the 35th meeting. The meeting minutes was confirmed with no modification.
- 4.0 The membership of AGS (100/AGS591)
Mr. Ezaki, the TC100 Secretary, reviewed the latest AGS member. Mr. Ezaki reported that the replacement from Mr. Subing Zhang to Mr. Hong Zhang planned to be approved at upcoming TC100 Plenary.

Attendee list of the 36th TC 100 AGS meeting was circulated with document number 100/AGS590, and the participants were requested to sign in.

5.0 New Technologies within the scope of TC100

5.1 Follow-up of issues of 35th (or former) meeting(s)

(1) Study Session 1 (3D technology and UHD technology)

Report of SS1 and stage 0 project (3D/UHD terminology) --- (H. Zhang and C. Lu) 100/AGS609

Mr. Zhang explained the document 100/AGS609 about the report of current situation of UHD TV. There was no report about TR development at this time.

AGS recommended SS1 to clarify TC 100 standardization issues of UHD technology taking a liaison with related organizations, and confirms the new title of SS1 as SS on 3D and UHD.

AGS re-confirmed the necessity of new TR. Because it takes for a while after the launching stage-0 project, AGS recommends SS1 to create the 1st working draft of a TR on 3D and UHD terminology and circulate it for AGS members' review.

(2) Study Session 5 (Multimedia equipment for electric vehicle)

Report of SS5 and stage 0 project (Multimedia car systems and equip.) --- (J. Yoshio) 100/AGS595

Overview of draft NPs on drive monitoring and recording --- (S. Kawanishi and J. Yoshio) 100/AGS596

Mr. Yoshio reported about SS5 status and the stage 0 project (100/AGS595). The detail for the drive monitor system was explained by using document 100/AGS596, and the idea for NP became clear. It defines the monitor system by combining 4 cameras.

AGS recommended SS5 to submit the DTR (Conceptual model of standardization for multimedia car system) for DTR balloting.

AGS recognized the importance of standardizing the drive monitoring technology and recommended SS5 to prepare and propose an NP on the topic.

(3) Study Session 7 (Robotics technology)

Report of SS7 and IEC SG7 --- (T. Inokuchi) 100/AGS611

Mr. Inokuchi explained about the call for expert by explaining document 100/AGS611.

Because this topic was proposed in SMB, and was expected to receive more attention in future, AGS recommended SS7 to widen the call for experts and to continue studying the feasibility of TC 100 standardization of relevant robotics technology.

(4) Study Session 8 (Wearable system and equipment)

Report of SS8 --- (U. Haltrich) 100/AGS597

Requirement for hearing support function --- (J. Yoshio) 100/AGS605

Ms. Haltrich reported the activities of SS8 since last AGS meeting (wireless charging, smart clothing, user interface, standardization questions) by document 100/AGS597.

Mr. Yoshio explained the possibility to propose NP for hearing support equipment by document 100/AGS605.

By considering the activity in SMB which the establishment of new TC was proposed, the improvement of visibility of TC100 activity especially about wearable, AGS decided to take the strategy for accelerating the projects in order to establish new TA as soon as possible.

For this reason, AGS recommended SS8 to establish a stage 0 project to collect use cases on wearable systems and equipment and identify opportunities for additional standardization in TC100 on the topic.

Also, by considering the importance of standardization for hearing support system and equipment, AGS recommended SS8 to develop an NP on this topic.

(5) Digital Cinema

Status report of SMPTE D-Cinema (21DC) --- (H. Ohtaka) 100/AGS592

Mr. Ohtaka reported about auxiliary data file, 4k/UHDTV, multi-link 3G-SDI/6G-SDI/12G-SDI, multi-link 10G-SDI for UHDTV and so on as the activities of SMPTE D-Cinema (21DC).

AGS thanked to Mr. Ohtaka for his report, and requested him to continue to provide updated information on SMPTE digital cinema activities including plan or possibility of an SMPTE and TC100 joint work.

(6) Smart City

Report of SEG-1 on smart city --- (S. Hirakawa) 100/AGS594

Report of SEG-1/WGs --- (T. Ezaki) 100/AGS602, 100/AGS603, 100/AGS604

Dr. Hirakawa explained the latest status of IEC SEG1 mainly about the report of 3rd SEG1 meeting (2014-09) by using document 100/AGS594. According to its report, by adding to existing 7 WGs, the establishment of new WG8 (mobility and logistics (in the context of smart cities) was approved, and SEG1 planned to propose the establishment of new SyC in future.

Mr. Ezaki reported about WG meeting held in Hainan (China) on 2014-06 by using document 100/AGS602. Following issues were discussed in WG meetings.

- General discussion including City Planning
- City planning using big data
- Collaboration with ISO, ITU and JTC1
- Report about smart home in China and Korea
- Report about smart education by East China Normal University
- Introduction of TC100 activities

(7) The methods for transparent display terminal

Test methods for transparent LCD terminal --- (C. Xu and H. Zhang) 100/AGS606

Transparent display devices – Current activities in TC110 --- (Y. Shibahara) 100/AGS607

At the last AGS meeting, AGS requested to clarify the standardization point of transparent LCD terminal within the scope of TC100, Mr. Zhang explained the revised proposal by using document 100/AGS606. Because its revised proposal seemed to overlap with TC110, AGS requested Mr. Shibahara, TC110 Secretary, to attend AGS meeting, and Mr. Shibahara explained TC110 activities relating to transparent display devices by using document 100/AGS607.

Because the document format of 100/AGS606 is different from IEC standard format, it was pointed out that 100/AGS606 didn't clarify the standardization point.

For moving forward, AGS recommended Mr. Zhang to create a working draft of test methods for transparent LCD terminals clarifying the difference between these and the test methods in TC110. After the completion of the working draft, it should be circulated for AGS and related experts' technical review before submission as an NP proposal.

5.2 New Contributions

5.2 (1) Power consumption measurement

HDR and IEC TC100 --- (J. Fairhurst) 100/AGS593

Mr. Fairhurst proposed the technical issued about HDR (High Dynamic Range) as future TC100 standardization work, and explained the necessity to revise IEC 62087 for reflecting HDR.

AGS established SS9 for HDR technology to clarify standardization issues for HDR and related technologies, and appointed Mr. J. Fairhurst as the leader of SS9.

AGS recommended SS9 to study potential amendments to IEC 62087 including HDR power measurement.

6 Related activities

6.1 ITU-T, JTC 1 and TC 100 collaboration

(1) History of ITU-T, JTC 1, TC 100 cooperation --- (T. Ezaki) 100/AGS599

(2) NP status for standardization on IPTV terminals --- (T. Ezaki)

(3) The update on joint work between ITU-T SG 16 and IEC/TC 100 on IEC 62698 (RII) and ITU-T H.751 --- (T. Iida) 100/AGS598

Mr. Ezaki reported the history of collaboration among ITU-T, JTC1 and TC100 by using document 100/AGS599.

Mr. Ezaki reported about the situation of NP about IPTV. AGS requested Mr. Ezaki to progress work on the standardization on IPTV terminals.

As the good example of collaboration between ITU-T and TC100, Mr. Iida and Dr. Kawamori reported about IEC 62698 (RII) and ITU-T H.751. AGS thanked them for this collaboration work.

6.2 Minimizing overlap of standardization

(1) Report of PONT activity --- (D. Felland and T. Ezaki) 100/AGS601

Mr. Felland and Mr. Ezaki explained the latest situation of PONT activity by using document 100/AGS601.

AGS requested Mr. Felland and Mr. Ezaki to keep updating its latest result to AGS.

6.3 Proposal for creating the guideline for proceeding Study Session

(1) Draft guideline for managing study sessions --- (T. Inokuchi) 100/AGS610

Mr. Inokuchi explained the necessity to create the guideline (or rules) for managing/proceeding study session activities in AGS by using document 100/AGS610. Because its proposal was pre-mature, many suggestions were pointed out.

AGS recommended Mr. T. Inokuchi to revise the guidelines for study sessions including the discussions in AGS and ensure the existence of study sessions is publicized.

6.4 Report relating to AGS

(1) Ballot results -- approval -- of the revised Guide 71 --- (K. Grant) 100/AGS612

Dr. Grant reported the overview of IEC/ISO/ITU policy and ISO/IEC Guide 71 (guide for addressing accessibility in standards) on standardization and accessibility.

7. Review of recommendations and agreed action items --- 100/AGS613

Recommendations and agreed action items, the 36th meeting of the TC 100/AGS

1. AGS recommends SS1 to clarify TC 100 standardization issues of UHD technology taking a liaison with related organizations, and confirms the new title of SS1 as SS on 3D and UHD
2. AGS recommends SS1 to create the 1st working draft of a TR on 3D and UHD terminology and circulate it for AGS members' review.
3. AGS recommends SS5 to submit the DTR (Conceptual model of standardization for multimedia car system) for DTR balloting.
4. AGS recognizes the importance of standardizing the drive monitoring technology and recommends SS5 to prepare and propose an NP on the topic.
5. AGS recommends SS7 to widen the call for experts and to continue studying the feasibility of TC 100 standardization of relevant robotics technology.
6. AGS recommends SS8 to establish a stage 0 project to collect use cases on wearable systems and equipment and identify opportunities for additional standardization in TC100 on the topic.
7. AGS identified the importance of standardizing aspects of hearing support systems and equipment and recommends SS8 to develop an NP on this topic.
8. AGS thanks Mr. H. Ohtaka for his report, and requests him to continue to provide updated information on SMPTE digital cinema activities including potential proposals for joint work on D-Cinema between SMPTE and TC 100.
9. AGS thanks Dr. S. Hirakawa for his report of SEG-1 on smart cities and requests Mr. T. Ezaki to continue to report on the WG activities of SEG-1.
10. AGS recommends Mr. H. Zhang to create a working draft of test methods for transparent LCD terminals clarifying the difference between these and the test methods in TC110. After the completion of the working draft, it should be circulated for AGS and related experts' technical review before submission as an NP proposal.
11. AGS thanks Mr. Shibahara for his presentation to the AGS on transparent LCD terminals and devices test methods in TC110 and his participation in the AGS discussion.
12. AGS establishes SS9 for HDR technology to clarify standardization issues for HDR and related technologies, and appoints Mr. J. Fairhurst as the leader of SS9.
13. AGS recommends SS9 to study potential amendments to IEC 62087 including HDR power measurement.
14. AGS thanks Mr. T. Ezaki for his report of Ad-Hoc, TC 100 High-Level meetings, and requests him to progress work on the standardization on IPTV terminals.
15. AGS thanks Mr. T. Iida and Mr. M Kawamori for their detailed report of joint work between ITU-T SG 16 and IEC TC 100 on IEC 62698 (RII) and ITU-T H.751 which is a good example of the ITU-T and TC 100 cooperation.
16. AGS requests Mr. D. Felland and Mr. T. Ezaki to continue to provide updated information of future PONT activities.

17. AGS recommends Mr. T. Inokuchi to revise the guidelines for study sessions including the discussions in AGS and ensure the existence of study sessions is publicized.
18. AGS thanks Dr. K. Grant for providing her reports on IEC/ISO/ITU Policy on standardization and accessibility and the revision of Guide 71.
19. AGS expresses its appreciation to Japanese National Committee and JEITA for handling arrangements of the AGS meeting and providing excellent facilities, refreshments and social events.

9. Meeting schedule

Mr. Ezaki, TC100 Secretary, announced next AGS Meeting.

Date: 2015-04-22

Location: Milan, IT

10. Other business

Nothing

11. Closing

Meeting was adjourned at 17:30 by Chairman.