



For IEC use only

100/AGS750A/RM

2017-09-20

**INTERNATIONAL ELECTROTECHNICAL COMMISSION**

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

**ADVISORY GROUP ON STRATEGY**

Draft minutes of the 41th meeting of the **TC 100/AGS on Wednesday, 17 May, 2017**

Meeting location:

Level 3 of the Podium Block, Room P303  
 SPRING (IEC-APRC)  
 No. 2 Bukit Merah Central Singapore 159835

Meeting time: 9:00-16:30

Attendees: total 35 attendees [Members, 12 attendees]

Title	Name	Country
AGS Secretary	Mr. Toshihiro Inokuchi (Acting Chair)	JP
TC 100 Chairman	Mr. David Felland	US
TC 100 Secretary	Mr. Junichi Yoshio	JP
TC 100 Assistant Secretary	Mr. Masatake Sakuma	JP
AGS Member	Mr. Michael Dolan	US
AGS Member	Mr. Shin Eguchi	JP
AGS Member	Ms./Dr. Kate Grant	GB
AGS Member	Ms. Ulrike Haltrich	DE
AGS Member	Ms. Veronica Lancaster	US
AGS Member	Mr. Ock-Woo Nam	KR
AGS Member	Mr. Pekka Talmola (Web)	FI
AGS Member	Dr. Xiaoying Zhao	CN
[GUEST]		
TA 2/TAM	Dr. Hiroaki Sugiura	JP
TA 2/ATS	Mr. Noritaka Okuda	JP
TA 4/TAM	Prof. Jae-Young Lee	KR
TA 4/TS	Mr. Kwang-Soon Choi	KR
TA 5/TS	Mr. Hiroo Tamura	JP
TA 6/TAM	Mr. Hideki Ohtaka (Web)	JP
TA 10/TAM	Prof. Yashio Uemura	JP
TA 10/TS	Mr. Yoshihisa Narui	JP
TA 15/TAM	Dr. Seung-Ok Lim	KR
Audio TATS	Mr. Gen Ichimura	JP
[OBSERVER]		
	Mr. Jeong Chomg	KR
	Mr. Takayuki Fujiwara	JP
	Mr. Munhwan Han	KR
JP NC Chairman	Dr. Shuji Hirakwa	JP
	Mrs. Hiroko Kawamoto	JP
	Mr. Suehiro Kawanishi	JP
	Mr. Tadayoshi Kosaka	JP
	Mr. Myongyoung Lee	KR
	Mr. Takumi Matsumoto	JP
	Mr. Juyoung Park	KR
	Mr. Yongju Park	KR
TC 100 Assistant Secretary Candidate	Mr. Satoshi Terasaki (Acting AGS Secretary)	JP
	Mr. Colin Whitby-Strevens	US
	Mr. Zhigang Zhang	CN

## Draft Meeting minutes

### 1. Opening and reconfirmation of AGS scope

- Reconfirmation of AGS scope --- 100/AGS233rev
- Opening remark with introduction of IEC APRC --- 100/AGS742

Mr. Inokuchi reported that Dr. Komachi, Chair of TC 100 AGS, asked Mr. Inokuchi for acting AGS chair in Singapore because Dr. Komachi didn't attend this meeting because of his health issue. Mr. Inokuchi was assigned to the acting chair for this meeting.

Chair opened the meeting at 9:00 of 17th May, 2017.

Mr. Inokuchi expressed that his role of TC 100 assistant secretary was going to transfer to Mr. Terasaki.

Chair asked Mr. Terasaki for acting AGS Secretary in AGS Singapore meeting. Mr. Terasaki was assigned to the acting secretary of this meeting.

Chair asked Mr. Dennis Chew, the Regional Director of IEC APRC, for providing the host remark with the introduction of IEC APRC.

Mr. Dennis Chew provided host remark and introduced IEC APRC using the document 100/AGS742.

AGS thanked IEC APRC and Mr. Dennis Chew for hosting AGS meeting and providing nice meeting facilities and refreshments.

Chair requested the roll call of attendees.

Chair explained the scope of AGS by using document 100/AGS233rev.

### 2. Approval of the agenda --- 100/AGS727A/DA

Chair reviewed the draft agenda, and the draft agenda was approved without modification.

### 3. Review of the minutes of the last meeting --- 100/AGS725

Mr. Inokuchi explained the draft minutes of Frankfurt meeting, and AGS agreed on it without modification.

### 4. Membership of AGS

- (1) TC 100/AGS Membership --- (J. Yoshio) 100/AGS729
- (2) Attendee list of the 41st TC 100/AGS meeting --- 100/AGS/728

Mr. Yoshio explained the latest AGS member using the document 100/AGS729.

### 5. New Technologies within the scope of TC 100

#### 5.1 Follow up issues of 40th (or former) meeting

- (1) Clarification of Study Session activity
  - Management and operation of Study Session --- (Y. Inokuchi) 100/AGS688rev1
  - AGS Study Session maintenance list --- (T. Inokuchi) 100/AGS737
  - Updated status of the stage 0 projects recommended in AGS --- (T. Inokuchi) 100/AGS730

Mr. Inokuchi explained about the revision of AGS study session operation rule using document 100/AGS688rev1.

AGS agreed on the revised Study Session operation procedure. AGS recommends AGS secretary to explain this procedure document at every AGS meeting.

AGS thanked Mr. Inokuchi for his explanation about revision of AGS study session operation rule.

Mr. Inokuchi explained the maintenance list of Study session using the document 100/AGS737.

AGS noted the maintenance list of Study session. AGS recommended AGS secretary to update Study Session maintenance list at every AGS meeting for making clear of Study Session activity.

(2) Study Session 7 (Robotics technology)

- Report of SS 7 (incl. PT 100-16) --- (T. Inokuchi) 100/AGS739
- Report of IEC TR 63094 (Multimedia systems and equipment - Multimedia signal transmission - Dependable line code with error correction) --- (T. Inokuchi) 100/AGS731

Mr. Inokuchi reported the ballot result of 100/2823A/DTR (Multimedia signal transmission - Dependable line code with error correction), and that IEC TR 63094 was going to be published on 2017-05.

AGS thanked Prof. Yamasaki for his great contribution for the development of IEC TR 63094. AGS recommended AGM to decide the allocation of IEC TR 63094.

Mr. Inokuchi explained the result of 100/2828/AC (Call for experts for stage 0 project on conceptual model for TC 100 standardization on multimedia robotics). Because Mr. Inokuchi will transfer TC 100 Assistant secretary role to Mr. Terasaki, Mr. Inokuchi explain that Mr. Inokuchi was not able to be the project leader anymore. Also, because Dr. Komachi, the proposer of PT 100-16, was investigating to resign TC 100 AGS Chair, PT 100-16 PL and experts (Mr. Inokuchi, Prof. Yamasaki and Dr. Komachi) have concluded to cancel this project.

AGS recommended AGS secretary to take necessary actions for disbanding PT 100-16 as proposed by Project Leader.

Dr. Grant explained the importance of future liaison relationship with ISO TC 299 for future TC 100 robotics relating activity.

AGS thanked Dr. Grant for proposing the importance for establishing future liaison relationship. AGS recommended TC 100 secretaries for taking note of this and for taking necessary action when the robotics relating specification will be proposed to TC 100.

Mr. Inokuchi explained that number of SS 7 members would be two after Dr. Komachi and Mr. Inokuchi's resignations from TC 100 activities.

AGS recommended to close SS 7 and thanked SS 7 members for their contributions on SS 7 activities.

(3) Study Session 8 (Wearable systems and equipment)

- Report of SS 8 (incl. PT 100-10) --- (U. Haltrich) 100/AGS745, 100/AGS746
- Report of newly established TC 124 ,Wearable Electronic Devices and Technologies --- (U. Haltrich) 100/AGS734

Ms. Haltrich explained SS 8 activity using document 100/AGS745 and 100/AGS746.  
Ms. Haltrich reported the latest situation of TC 124 with document 100/AGS/734.

Ms Haltrich explained the necessity for creating the liaison relationship with CTA because CTA has started to develop some wearable and healthcare relating standards and has interests to bring their results to TC 100 in future.

Ms. Haltrich proposed to create liaison relationship with TC 124 for avoiding future conflict.

Mr. Haltrich proposed to transfer all SS 8 projects to TA 16 because TA 16 is investigating to include "Wearable" in its scope, and to close SS 8 activity after the transfer of project would be completed.

AGS recommended AGM for approving the establishment of liaison between TC 100 TA 16 and CTA. AGS recommended AGM for approving the establishment of liaison between TC 100 TA 16 and TC 124.

AGS recommended to close SS 8 after AGM assigns the projects to TA 16. AGS thanked Ms. Haltrich, Mr Yoshio and all members in SS 8 for their great works.

(4) Study Session 10 (Multimedia cyber technology)

- Report of SS 10 (incl. PT 100-17) --- (J. Yoshio) 100/AGS743

- Outline of TR: Conceptual model for TC 100 standardization on multimedia cyber technology --- (J. Yoshio) 100/AGS744
- Related information on JTC 1/SC 41 --- (K. Grant) 100/AGS/747, 100/AGS748

Mr. Yoshio explained SS 10 and PT 100-17 activities using document 100/AGS743.  
Mr. Yoshio explained the conceptual model for TC 100 standardization on multimedia cyber technology using the document 100/AGS744.

AGS thanked Mr. Yoshio for his report on SS 10 and encouraged him for the development at PT 100-17.

Dr. Grant reported JTC 1/SC 41 activity using document 100/AGS747 and 100/AGS748. Because of possible overlap of scope between JTC 1/SC 41 and SS 10, Dr. Grant explained the importance for creating the liaison relationship between TC 100/SS 10 and JTC 1/SC 41.

AGS thanked Dr. Grant for reminding JTC 1 SC 41 activity which might relate to future SS 10. AGS recommended SS 10 leader to investigate creating liaison relationship with JTC 1 SC 41.

#### (5) Study Session 11 (VR technology)

- Report of SS 11 --- (X. Y. Zhao) 100/AGS733

Ms. Zhao explained SS 11 status using document 100/AGS733.

Ms. Zhao proposed to established new stage-0 project for summarizing the result of SS 11 investigation about potential standardization point in TC 100.

Mr. Kosaka commented about the proposal in agenda 5.2.(1) for identifying the difference between SS 11 and the item in agenda 5.2.(1). Because agenda 5.2.(1) was NOT discussed at this stage, Chair requested SS 11 leader and Mr. Kosaka for discussing this issue after the explanation of agenda 5.2.(1).

AGS recommended AGM to establish new stage-0 project for identifying the potential standardization needs within the scope of TC 100.

AGS recommended SS 11 leader (Ms. Zhao) for arranging web meeting(s) for discussing TR draft before TC 100 Plenary meeting on 2017-09.

#### (6) Smart city

- Report of Syc Smart Cities, 2nd PL meeting --- (S. Hirakawa) 100/AGS738

Mr. Hirakawa explained Syc Smart Cities activity using document 100/AGS738.

AGS thanked Mr. Hirakawa for his report on Syc Smart Cities.

AGS recognized it might take a little bit long time for TC 100 to be involved in Syc Smart Cities activity. AGS recommended TC 100 secretaries to raise issue at future AGS meeting if TC 100 secretaries would recognize the importance for collaborating with SyC Smart City.

### 5.2 New contributions

#### (1) New wearable systems and equipment

- Overview of NPs proposal on XR systems --- (Mr. Kosaka) 100/AGS733

Mr. Kosaka explained new proposal for XR(VR/AR/MR) system using document 100/AGS733

AGS recognized the differences between SS 11 and this proposal. Also, AGS recognized the importance of collaboration between SS 11 and this proposal because the technology is similar.

AGS recommended Mr. Kosaka and other Hitachi member to participate in SS 11 activity for accelerating the activity.

AGS recommends Mr. Kosaka to prepare the draft of NP by specifying its scope and use case for the discussion at next AGS meeting in 2017-09.

(2) Blue-light reduced display terminal

- Measuring methods of blue-light reduced visual display terminal --- (Z. Zhang) 100/AGS735

Mr. Zhang explained measuring methods of blue-light reduced visual display terminal using document AGS/735.

Mr. C. Whitby-Strevens and Mr. Inokuchi asked about the influence of blue light on human body. Mr. Zhang answered that the result of influence of blue-light from lighting was in public.

AGS thanked Mr. Zhang for the presentation about measuring methods of blue-light reduced visual display terminal.

AGS recommends Mr. Zhang prepare an NP on measuring methods of blue-light reduced visual display terminal, and include information about the influence to human body by lighting at the next AGS meeting.

(3) Energy consumption for HDR products

- Measurement method of energy consumption for HDR products --- (M. Y. Lee) 100/AGS741

Mr. Lee explained measurement method of energy consumption for HDR products using the document 100/AGS741.

Mr. Lee showed interests for taking leadership position of PT 100-15 in TA 12 because PL of PT 100-15 left TC 100 activity.

Chair asked US-NC for investigating to assign the successor of PL based on the directives because former PL of PT 100-15 was from US.

AGS recommended HDR proposal by KR NC to be discussed in TA 12.

AGS also recommended TA 12 TS ask the successor of PT 100-15 leader to US NC. [Mr. Lee expected to take Co-PL role if US NC assigned the successor of PT 100-15 PL.](#) If no one takes the leader position, AGS notes that Dr. M. Y. Lee is welcome to take the role.

## 6. Related activities

### 6.1 ITU-T, JTC 1 and TC 100 collaboration

- (1) Report of the ITU-T, JTC 1 and TC 100 High-Level Ad-Hoc meeting, 2017-01-21  
--- (J. Yoshio) 100/AGS732

The result of ITU-T, JTC 1 and TC 100 High-Level Ad-Hoc meeting was reported by Mr. Yoshio using document 100/AGS732.

AGS recommended TC 100 secretary for keeping update the result of High-level ad-hoc meeting to AGS.

### 6.2 Minimizing overlap of standardization

- (1) Report of PONT activity --- (D. Felland and J. Yoshio) 100/AGS736

Mr. Inokuchi reported the latest status of PONT, and explained the issue to be resolved using the document 100/AGS736.

AGS recognized the difficulty for keeping current style of PONT, and recommended to disband PONT activity.

AGS also recommended to investigate alternate way for improving the liaison and conflict issue with other SDOs. AGS should consider amending TOR to make this a specific task.

## 7. Review of recommendations and agreed action items --- 100/AGS749

1. AGS agrees on the revised Study Session operation procedure. AGS recommends AGS secretary to explain the procedure document 100/AGS688rev1 at every AGS meeting.
2. AGS notes the maintenance list of Study Session. AGS recommends AGS secretary to make Study Session maintenance list 100/AGS737 at every AGS meeting for making clear of Study Session activity.
3. AGS thanks Prof. Yamasaki for his great contribution for the development of IEC TR 63094. AGS recommends AGM to decide the allocation of IEC TR 63094.

4. AGS recommends AGS secretary to take necessary actions for disbanding PT 100-16 as proposed by Project Leader.
5. AGS thanks Dr. Grant for proposing the importance for establishing future liaison relationship with ISO TC 299. AGS recommends TC 100 secretaries take note of this and for taking necessary action when the robotics relating specification will be proposed to TC 100.
6. AGS recommends to close SS 7 and thanks SS 7 members for their contributions on SS 7 activities.
7. AGS recommends AGM to approve the establishment of liaison between TC 100 and CTA.
8. AGS recommends AGM to approve the establishment of liaison between TC 100 TA 16 and TC 124. AGS recommends Ms. Haltrich as the liaison representative from TC 100.
9. AGS recommends to close SS 8 after AGM assigns the projects to TA 16. AGS thanks Ms. Haltrich, Mr Yoshio and all members in SS 8 for their great works.
10. AGS thanks Mr. Yoshio for his report on SS 10 and encourages him in the development of PT 100-17.
11. AGS thanks Dr. Grant for reporting JTC 1 SC 41 activity which may relate to future SS 10. AGS recommends SS 10 leader to investigate creating liaison relationship with JTC 1 SC 41.
12. AGS recommends that AGM establish a new stage-0 project to identify the potential standardization needs about VR/AR/MR proposed by SS 11 within the scope of TC 100.
13. AGS recommends Mr. Kosaka and other Hitachi member to participate in SS 8 and SS 11 activity to accelerate the activity.
14. AGS recommends SS 11 leader (Ms. Zhao) to arrange web meeting(s) for discussing TR draft before TC 100 Plenary meeting on 2017-09.
15. AGS thanks Dr. Hirakawa for his report on Syc Smart Cities.
16. AGS recognizes it may take too long time for TC 100 to become involved in SyC Smart Cities activity. AGS recommends TC 100 secretaries to raise this issue at future AGS meetings if TC 100 secretaries recognizes the importance for collaborating with SyC Smart City.
17. AGS recommends Mr. Kosaka to prepare a draft NP by specifying its scope and use case for discussion at next AGS meeting in 2017-09.
18. AGS recommends Mr. Zhang prepare an NP on measuring methods of blue-light reduced visual display terminal, and include information about the influence to human body by lighting at the next AGS meeting.
19. AGS recommends Chinese NC include TC 76, 108 and TC 110 as the relating TC in NP.
20. AGS recommends HDR proposal by KR NC be discussed in TA 12.
21. AGS recommends TA 12 TS ask the successor of PT 100-15 leader to US NC. If there is the successor in US, Dr. M. Y. Lee will join the PT100-15 as a co-project leader. If no one takes the leader position, AGS notes that Dr. M. Y. Lee is welcome to take the role.
22. AGS recommends TC 100 secretary update the result of High-level ad-hoc meeting to AGS.
23. AGS recognizes the difficulty for keeping current style of PONT, and recommends to disband PONT activity. AGS recommends to investigate alternate way for improving the liaison and conflict issue with other SDOs. AGS should consider amending TOR to make this a specific task.
24. AGS thanks IEC APRC for providing nice facility on AGS meeting.

## 8. Meeting schedule

TC 100 Secretary explained about the next meeting.

- Date: On the week of 2017-09-25 in conjunction with TC 100 plenary meeting
- Location: San Diego, CA, USA

## 9. Other business

AGS thanked Mr. Inokuchi for acting AGS Chair in Singapore. AGS also thanked Mr. Inokuchi for his contributions on AGS as its Secretary for more 7 years.

AGS thanked IEC APRC for providing nice facility on AGS meeting.

## 10. Closing

Chair closed the meeting at 16:30