INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

ADVISORY GROUP on STRATEGY

Draft minugtes of the 37th meeting of the **TC 100/AGS on Wednesday, 22 April, 2015**
Meeting location:
    CEI ″Comitato Elettrotecnico Italiano / Italian Electrotechnical Committee″
(Room; #5 Volta)
    Via Saccardo, 9 - 20134 Milano, Italy
Meeting time: 9.00 - 13.00, 14.00 - 18.00

Attendees: total 56 present

[Members, 16 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

Mr. Keith Jones, AU

Mr. Pekka Talmoa, FI, TA1/TAM

[Guests, 16 present (include 0 over phone)]

Mr. Matei Cocimarov, IEC CO

Dr. Shuji Hirakawa, JP, IEC SMB JP NC

Mr. Masatake Sakuma, JP, TA1/ATS

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

Mr. Kwang-Soon Choi, KR TA4/TS

Mr. Yukka Albe, FI, TA5/TS

Mr. Eero Sorri, FI, TA5/ATS

Mr. Hideki Ohtaka, JP, TA6/TAM

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

Mr. Katsuyoshi Naka, JP, TA9/TS

Mr. Yashio Uemura, JP, TA10/TAM

Mr. Yoshihisa Narui, JP, TA10/TS

Mr. Mark Yonge, UK, TA11/TS

Ms. Donna Sadowy, US, TA13/TAM

Mr. Tsuyoshi Naruoka, JP, TA13/TS

Dr. Seung-Ok Lim, KR, TA15/TS

[Liaisons, 3 present (include 0 over phone)]

Mr. Jeffrey Ravencraft, US, USB-IF

Mr. Osamu Namikawa, JP, JTC1/SC39

Mr. Andreas Schneider, DE, TC111

[Dependency, 2 present]

Ms. Veronica Lancaster, US, CEA

Mr. Lu Cheng, CN, CESI

[Observers, 19 present]

Mr. Suehiro Kawanishi, JP

Ms. Hiroko Kawamoto, JP

Mr. Colin Whithby-Strews, US

Mr. Shin Eguchi, JP

Mr. Sun Qifeng, CN

Mr. Xu Chao, CN

Mr. Gen Ichimura, JP

Mr. Akihisa, Kawamura, JP

Mr. Hiroshi Furukawa, JP

Mr. Michael Dolan, US

Mr. Peter Gibson, UK

Mr. Bowon Yang, KR

Ms. Gain Oh, KR

Mr. Takashi Murakami, JP

Mr. Yongho Park, KR

Mr. Hyuk Choon Kwon, KR

Mr. Jae Sung Han, KR

Mr. Taek Ho Kim, KR

Mr. Lee Atkinson, USA

Draft Meeting minutes

1. Opening and reconfirmation of AGS scope ――― *100/AGS233rev*

Chairman opened the meeting at 9:01 of 2015-04-22.

Chairman requested the roll call of attendees.

Chairman requested Ms. C. Timo for the host remark.

Ms. Timo welcomes TC100 and expected the success of meetings and future contribution of TC100.

Chairman thanks CEI and her for hosting meeting.

Chairman explained the scope of AGS.

2. Approval of the agenda ――― *100/AGS615*

Chairman reviewed the draft agenda, and approved without modification.

3. Review of the minutes of the last meeting ――― *100/AGS614*

Chairman reviewed the draft agenda, and approved without modification.

4. Membership of AGS
TC100 AGS Membership ――― （T. Ezaki） *100/AGS617*
Attendee list of the 37th TC 100 AGS meeting ――― *100/AGS616*

Mr. Ezaki explained the change of members.

Thanks Mr. Matsumura, Mr. Westerkamp and Mr. Hasebe and welcome Mr. Eguchi and Mr. Sakuma.

Chairman requested Digital Europe to assign new AGS member as the replacement of Mr. Westerkamp.

5. New Technologies within the scope of TC 100

5.1 Follow-up of issues of 36th (or former) meeting
(1) Study Session 1 (3D and UHD technology)

- Report of SS1 --- (H. Zhang and C. Lu) *100/AGS6xx*
- o Mr. Zhang explained the market situation of 3D technology.
- WD of TR on 3D and UHD terminology --- (H. Zhang and C. Lu) *100/AGS626*
- o Mr. Lu explained the working draft
- o Chairman confirmed the action of last AGS meeting. This seems IS than TR.
- o Mr. Zhang answered that China expects IS or TS.
- o Dr. Grant requested to clarify the scope of this project.
- o Mr. Schneider reminded the necessity to collaborate with IEC CO terminology staff and TC1 officer.
- o AGS recommend China NC to prepare NP for the terminology of UHD
- o AGS request to issue the call for membership for starting international discussion.

(2) Study Session 5 (Multimedia equipment for road vehicles)

- Report of SS5 --- (J. Yoshio) *100/AGS637*
- o Mr. Yoshio reported the result of SS5.
- o Chairman confirmed the future projects of SS5.
    - DTR
    - NP from Japan
    - NP for functional map.
- DTR on conceptual model of standardization for multimedia car system --- (J. Yoshio) *100/AGS641*
- Draft NP on drive monitoring technology --- (J. Yoshio and S. Kawanishi) *100/AGS642*
- o Mr. Kawanishi explained the proposal by using document 100/AGS642..
- o Chairman confirmed the proposal at this time. It's only part 1 at this time.
- Standardization of map/geography information for car --- (J. Yoshio) *100/AGS631*
- o Mr. Yoshio explained the idea for new proposal in SS5.
- o Dr. Hirakawa pointed out the schedule of this project.
- o AGS requested SS5 to submit TR
- o AGS requested Japan NC to issue NP with considering realistic standardization schedule.
- o AGS requested SS5 to keep continuing to investigate functional map.

(3) Study Session 7 (Robotics technology)

- Report of SS7 --- (T. Inokuchi) *100/AGS632*

- o Mr. Inokuchi explained the document 100/AGS632.
- o Chairman requested Mr. Inokuchi to keep continuing the call for member and to study this topic in the scope of TC100.
- • Relationship with SMB/SG7 --- (T. Inokuchi) *100/AGS6xx*
- o Dr. Grant asked questioned about SMB activity and Dr. Hirakawa answered its latest situation. There is no major progress.

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

- • Report of SS8 --- (U. Haltrich) *100/AGS639*
- o Ms. Haltrich explained the report of Study Session 8 held on 2015-04-20.
- o Mr. Ezaki provided additional comment about ahG56 and thanks Dr. Hirakawa for his cooperation..
- • Stage 0 project on use cases of wearable systems --- (U. Haltrich) *100/AGS640*
- o Ms. Ulrike reported stage 0 project by using 100/AGS640
- o Chairman asked Ms. Ulrike about the intention whether stage 0 project will collect Use Case or not, because it seems enough Use Cases for creating TR.
- o Chairman recommended to keep collecting new more Use Cases.
- o Dr. Hirakawa asked about the usage in industrial circumstances. Answer was NO.
- • Draft NP on hearing support systems and equipment --- (J. Yoshio) *100/AGS624*
- o Mr. Yoshio explained reported the update of hearing support system
- o Chairman recommended Japan NC to submit NP.
- o Chairman asked the possibility for visible support work in future
- • DTR on power supplying scheme for wearable systems and equipment --- (J. Yoshio) *100/AGS625*
- o Mr. Yoshio explained the latest investigation of DTR.
- o Chairman requested Mr. Yoshio to develop TR.

(Short Break)

(5) Study Session 9 (HDR technology)

- • Call for Members, TC100 AGS Study Session 9 --- (J. Fairhurst) *100/AGS620*
- • Membership of SS9 --- (J. Fairhurst) *100/AGS633*
- • Report of SS9 meeting --- (J. Fairhurst) *100/AGS634*
- o Mr. Fairhurst reported the establishment, member and 1st meeting of SS9.
- o Chairman asked HDR audio. Mr. Fairhurst answered NO.
- o Mr. Ezaki asked about picture measurement, whether for consumer or professional. Answer is both.
- o Mr. Fairhurst said to develop TR about picture measurement method.
- o Dr. Grant asked what IDMS is, and Mr. Fairhurst responded.
- o Chairman recommends to start technical report
- o Mr. Fairhurst confirmed with Mr. Ezaki about TA1 activity.

- o Mr. Ezaki explained the liaison issue with IDMS. In order to establish liaison relationship,. Need to request SMB for creating category-D liaison and need a project in TC100.
- o AGS decided to establish stage-0 project under ss9 about picture measurement.
- o Mr. Fairhurst asked TA2 members about their interest working on SS9, however, because NO TA2 officer or relating member attended meeting, this issue was not concluded.
- o AGS recommend SS9 to collaborate with TA12 for developing TR for power measurement method of HDR video.
- o AGS recommends SS9 to discuss with TA2 officers about HDR color gauma.
- o Following documents are FYI.
- • TC 100 HDR Overview --- (W. Husak)   *100/AGS635*
- • HDR Ecosystem Workflow --- (Technicolor)   *100/AGS636*

(6) Digital Cinema

- • Status report of SMPTE D-Cinema (21DC) --- (H. Ohtaka)   *100/AGS630*
- o Mr. Ohtaka reported the SMPTE activity which may relates to TC100.
- o AGS discussed the direction of collaborative work with SMPTE.
- o AGS recommends Mr. Ohtaka to keep reporting relating issue to TC100/AGS.

(7) Smart city

- • Report of SMB SEG-1, Smart cities --- (S. Hirakawa) *100/AGS6xx4*
- o Dr. Hirakawa reported the latest meeting report of IEC SEG1.
- o Mr. Ezaki attends WG4(Smart Home) and WG5 (Smart Education) as a rep of TC100. TC100 is expected to be listed as relevant TC.
- o AGS thanks Dr. Hirakawa for providing SEG1 report and requested Dr. Hirakawa and Mr. Ezaki to keep updating to TC100/AGS

(8) Test methods for transparent display terminal

- • WD and draft NP on test methods for transparent LCD terminal --- (C. Xu and H. Zhang)   *100/AGS627*
- o Mr. Xu explained the overview of Working Draft.
- o Mr. Ezaki made comment that this issue may relate to TC110. Mr. Ezaki will share this document with TC110 officers for receiving comments before submitting NP. Possibility is joint WG.
- o AGS recommends TC100 secretary to share this documents with TC110 for requesting comments.
- o AGS recommends China NC to submit NP by collaboration with TC100 secretary after receiving comments from TC110.
- o Chairman suggested to change its title.
- o Mr. Zhang said that it's easy to collaborate between project members in China.

- o Mr. Ezaki requested China NC to identify the difference clearly between TC100 and TC110 proposals.

- (Lunch Break) 12:30-13:30
- Group Picture taken by CEI

5.2 New contributions
(1) Tiled display terminal

- Measuring methods of LCD splicing terminal --- (H. Zhang) *100/AGS628*
- o Mr. Xu explained about measuring methods of LCD splicing terminal.
- o Mr. Zhang mentioned that similar standardization is undergoing in China NC.
- o Mr. Ezaki said TC100 secretary needs to share this document with TC110 because this relates to TC110.
- o Mr. Fairhurst puts comment about brightness. It should be luminescence rather than brightness.
- o AGS recommends TC100 secretary to forward this document to TC110 secretary.

(2) Hbb4All

- Hybrid broadcast broadband for ALL --- (P. Orero) *100/AGS638, 100/AGS619*
- o Dr. Grant explained on behalf of Ms. P. Oreno.
- o Chairman asked the possibility to issue NP. Dr. Grand responded TA16 will focus on functional requirement.
- o Dr. Hirakawa puts comment that ITU-T/SG3 is handling HbbTV. Harmonization with ITU-T is necessary.
- o AGS requests TA16 for investigating to issue NP.
- o .AGS thanks Ms. Oreno and Dr. Grant

(3) RDS standard adaptation

- Proposed RDS standard adaptation to RDS 2.0 --- (D. Kopitz) *100/AGS618*
- o Mr. Kopitz explained.

- o Because RDS doesn't have a right to propose IEC/CT100 directly, AGS asked how to do. Mr. Kopitz responded he collaborates with IEC CO.
- o Mr. Ezaki explained that Switzerland is an O-member of TC100, recommended to change its membership to P-member.
- o Mr. Kopitz will contact IEC CO.
- o Mr. Fairhurst provided advise for transferring to part structure. Instead of using edition number, put issued year.
- o AGS recommends Switzerland NC to change its membership from O to P for TC100.
- o Mr. Ezaki noticed the change of TA1/TS from Mr. Hasebe to Mr. Sakuma.

6. Related activities

6.1 ITU-T, JTC 1 and TC 100 collaboration
(1) Report of ITU-T, JTC 1, TC 100 high level ad-hoc meeting,
2015-02-14 --- (T. Ezaki and D. Felland)   *100/AGS621*

- o Mr. Ezaki reported the result of high level ad-hoc meeting. Regarding to the issues with SG5, TC100 plans to have a meeting with ITU-T/SG5 for tryng to resolve the issue.
- o Dr. Grant stated concern about the absent of JTC1 member.
- o Mr. Ezaki will arrange web meeting in future.
- o Next PONT meeting was announced by Mr. Ezaki.
- o AGS requests to keep continuing

6.2 Minimizing overlap of standardization
(1) Report of PONT activity --- (D. Felland and T. Ezaki)   *100/AGS622*
6.3 Guideline for study sessions
(1) 2nd draft of guideline for managing study sessions --- (T. Inokuchi)   *100/AGS629*
6.4 Discussion during an NP voting process
(1) Improved development process during voting period --- (G. Wei and S. Matsumura)   *100/AGS623-1*
(2) Guidelines for experts participating in discussions for TC100/2455/NP under TA14: Cooperation with USB-IF --- (G. Wei)   *100/AGS623-2*
Ms. Wei and Mr. Matsumura explained the activity in TA14 for accelerating the standardization especially in the period of NP.

7. Review of recommendations and agreed action items --- *100/AGS6xx*

1. AGS thanks Ms. C. Timo, the host, for her welcoming remarks.

2. AGS thanks Mr. S. Matsumura, Mr. D. Westerkamp and Mr. K. Hasebe for their contributions to AGS and welcomes Mr. S. Eguchi and Mr. M. Sakuma.
3. AGS requests Digital Europe to appoint a successor to Mr. D. Westerkamp.
4. AGS recommends that the Chinese NC should prepare an NP for TS on "UHD terminology" including the results of the discussion in AGS.
5. AGS recommends that SS1 should issue a call for members and should hold a SS1 meeting for international technical discussion.
6. AGS recommends that SS5 should submit a DTR on "conceptual model of standardization for multimedia car system" including the results of discussion in SS5.
7. AGS recommends that SS5 encourage the Japanese NC to submit an NP on "drive monitoring technology" and include the results of discussions in SS5 and AGS.
8. AGS acknowledges the requirement for standardization of functional map and recommends that SS5 undertakes further study on the feasibility of standardization.
9. AGS recommends that SS7 should issue a further call for membership and studies the standardization issues of robotics technology within the scope of TC 100.
10. AGS recommends that SS8 continues to collect additional use cases for stage 0 project on "use cases of wearable systems".
11. AGS recommends that Japanese NC prepares an NP for "hearing support function" including the results of the discussion in SS8.
12. AGS recommends that the Japanese NC should prepare a DTR on "power supplying scheme for wearable systems and equipment".
13. AGS recommends that SS9 establishes a stage 0 project to develop a TR on "HDR picture measurement" and requests the project to establish a liaison with ICDM.
14. AGS recommends that SS9 works on "HDR power measurement" and develops TR for preparing an NP discussing with TA12 members.
15. AGS recommends that SS9 discusses "HDR color" with TA2 members.
16. AGS thanks Mr. H. Ohtaka for his report on SMPTE digital cinema activities.
17. AGS thanks Dr. S. Hirakawa for his report of SEG-1 on smart cities and requests Dr. S. Hirakawa and Mr. T. Ezaki to keep the AGS informed of developments in SEG-1.
18. AGS recommends that the TC 100 secretariat forwards the WD of "test methods for transparent LCD terminal" to TC 110 for review, and recommends that the TC 100 secretariat and the Chinese NC collaborate to handle any TC 110 comments before NP circulation.
19. AGS recommends that the TC 100 secretariat forwards the WD of "measuring methods of LCD splicing terminal" to TC 110 for review, and recommends that the TC 100 secretariat and the Chinese NC collaborate to handle any TC 110 comments before NP circulation.
20. AGS thanks Dr. K. Grant for her presentation on Hbb4All project and recommends TA 16 to investigate the possibility of submitting an NP on presentation.
21. AGS thanks Mr. D. Kopitz for his presentation on RDS 2.0 and recommends that an NP is submitted to IEC TC100 by an appropriate body.

22. AGS thanks Mr. T. Ezaki and Mr. D. Felland for the report on the high-level ad-hoc meeting and requests them to encourage ongoing coordination with ITU-T, JTC 1 and TC 100.
23. AGS thanks Mr. D. Felland and Mr. T. Ezaki for the report on PONT activity and recommends that the team continue to update the matrix.
24. AGS confirm the guidelines for study sessions with a slight modification and recommends that the AGS secretary provides "the guideline for managing study sessions" to the SS leader at the beginning of SS.
25. AGS approves the creation of a task force to discuss "the guidelines for experts participating during an NP voting process and the later".
26. AGS expresses its appreciation to Italian National Committee and CEI for handling arrangements of the AGS meeting and providing excellent facilities and refreshments.

8. Meeting schedule

TC100 Secretary explained the next meeting.

Date: 2015-10-5

Location: Minsk, Belarus

9. Other business

None

10. Closing

The chairman closed the meeting at 17:30.