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| 2016-09-26 |

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

ADVISORY GROUP on STRATEGY

Draft minutes of the 39th meeting of the **TC 100/AGS on Tuesday, 2016-5-24**

Meeting location:

Austrian Electrotechnical Association (OVE)
Eschenbachgasse 9, 1010 VIENNA, AUSTRIA

Meeting time: 9.00 - 16.15

Attendees: total 35 attendees

[Members, 11 attendees]

| Title | Name | Country |
|----------------------------|------------------------|---------|
| AGS Chairman | Dr. Yushi Komachi | JP |
| AGS Secretary | Mr. Toshihiro Inokuchi | JP |
| TC 100 Chairman | Mr. David Felland | US |
| TC 100 Secretary | Mr. Tadashi Ezaki | JP |
| TC 100 Assistant Secretary | Mr. Masatake Sakuma | JP |
| IEC CO | Mr. Matei Cocimarov | |
| AGS Member | Mr. Jon Fairhurst | US |
| AGS Member | Ms./Dr. Kate Grant | GB |
| AGS Member | Ms. Ulrike Haltrich | DE |
| AGS Member | Mr. Shin Eguchi | JP |
| AGS Member | Ms. Veronica Lancaster | US |
| AGS Member | Mr. Ock-Woo Nam | KR |

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| AGS Member | Mr. Pekka Talmola | FI |
| AGS Member | Ms. Grace Wei | US |
| AGS Member | Mr. Junichi Yoshio | JP |
| AGS Member | Ms./Dr. Xiaoying Zhao | CN |
| [GUEST] | | |
| TA4/TAM | Prof. Jae-Young Lee | KR |
| TA4/TS | Mr. Kwang-Soon Choi | KR |
| TA5/TS | Mr. Jukka Alve | FI |
| TA8/TAM, TA14/TS | Mr. Hironori Sakakihara | JP |
| TA10/TS | Mr. Yoshihisa Narui | JP |
| TA13/TS | Mr. Tsuyoshi Naruoka | JP |
| TA15/TS | Dr. Lim Seung-Ok | KR |
| GMM Manager | Mr. John Woodgate | GB |
| [OBSERVER] | | |
| SMB member | Dr. Shuji Hirakwa | JP |
| | Mr. Michael Dolan | US |
| | Mr. Tomohiro Inagaki | JP |
| | Mr. Asao Hirano | JP |
| | Mr. Yongju Park | KR |
| | Mr. Kazuhiko Oi | JP |
| | Mrs. Hiroko Kawamoto | JP |
| | Mr. Nobukazu Suzuki | JP |
| | Mr. Suehiro Kawanishi | JP |
| | Mrs. Sohyun Gil | KR |
| | Dr. Subing Zhang | CN |
| | Mr. Edward Butler | US |
| AirFuel Alliance | Mr. Philip Maness | US |
| Hbb4ALL | Mr. Andreas Tai | DE |

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| | Mr. Munhawan HAN | KR |
| | Mr. Chankeun PARK | KR |
| | Mr. Yun-Jae Won | KR |
| | Dr. Woo Kyeong Seong | KR |
| | Mr. Mark Leuiwe | US |
| | Mr. Xu Chao | CN |
| | Mrs. Sabine Loslig | AT |

Draft Meeting minutes

1. Opening and reconfirmation of AGS scope --- 100/AGS233rev

Chairman opened the meeting at 8:59 of 2016-10-05.

Mr. Valenta provided host remark and expected strategic discussion for TC100.

AGS thanked Austria NC/OVE and Mr. Valenta for hosting AGS meeting and providing nice meeting facilities and refreshments.

Chairman requested the roll call of attendees.

Chairman explains the scope of AGS by using document 100/AGS233er.

2. Approval of the agenda --- 100/AGS671

Chairman reviewed the draft agenda, and approved without modification.

3. Review of the minutes of the last meeting --- 100/AGS669

AGS Secretary explained the draft minutes of Minsk meeting, and AGS agreed on it without modification.

4. Membership of AGS

TC100 AGS Membership --- (T. Ezaki) 100/AGS673

Attendee list of the 39th TC 100 AGS meeting --- 100/AGS672

Mr. Ezaki explained the additional member from US, Mr. Michael Dolan. The addition of Mr. Dolan will be approved at TC100 plenary in Frankfurt.

5. New Technologies within the scope of TC 100

5.1 Follow-up of issues of 38th (or former) meeting

(0) Clarification of Study Session activity

- Difference between Study Session and Stage-0 project in AGS --- (T. Inokuchi) 100/AGS688
 - Mr. Inokuchi explained the difference between AGS Study Session and Stage-0 project in TC100. AGS accepted Mr. Inokuchi's clarification of difference between Study Session (SS) and Stage-0 project and recommends SS members to refer to it when beginning work.
 - AGS requested Mr. Inokuchi to create the list of stage-0 project in AGS and to review whether TC100 project number has already assigned to all stage-0 projects in AGS. If there is any stage-0 project without TC100 project number, AGS requested TC100 secretaries to assign project number.

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

- Report of SS 1 --- (X. Zhao) 100/AGS689, 100/AGS699
 - Dr. Zhao explained the report of SS1 held on 2016-5-23 in Vienna (15 attendees).
 - AGS recommended SS 1 to encourage stage-0 project for preparing an NP for TS on "UHD terminology".

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

- Report of SS 5 for transferring to a new TA (TA17) --- (J. Yoshio) 100/AGS697
 - Mr. Yoshio explained the report of SS5 which was discussed on May 23rd in Vienna about ToR of new TA17.
 - AGS requested SS 5 to submit the revised ToR to AGM for the establishment of a new TA.

(3) Study Session 7 (Robotics technology)

- Call for membership of SS 7 --- (T. Inokuchi) 100/AGS687
- Report of SMB/ACART (Application of Robot Technology (SG 7)) --- (T. Ezaki and T. Inokuchi) 100/AGS692
 - Mr. Inokuchi explained the plan of call for member again.
 - Mr. Ezaki explained ACART report to SMB.
 - Dr. Grant mentioned about ISO TC 299 which handles whole Robotics.
 - AGS recommended SS 7 to continue the study of standardization issues of robotics technology within the scope of TC 100 reviewing the activities of SMB/ACART and ISO TC 299.

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

- Report of SS8 and stage 0 project on use cases --- (U. Haltrich) 100/AGS695, 100/AGS696
- NP on measurement method for assistive listening functionality --- (J. Yoshio) 100/AGS693 (100/xxxx/NP) -- circulated for vote
- DTR on power supplying scheme for wearable systems and equipment --- (J. Yoshio) 100/AGS694
- Report of SMB/SG 10 (Wearable Smart Devices) --- (T. Ezaki) 100/AGS679, 100/AGS680

- Mr. Haltrich explained SS8 activity using document 100/AGS696, and User Comfort using document 100/AGS695.
- Mr. Ezaki reported about SMB/SG10.
- AGS recommended SS 8 to put the collected use cases on the agreed template so that they can be used to justify new work in the appropriate TAs and Study Sessions.
- AGS recommended SS 8 to continue the work on the stage 0 project for defining the scope of, and drafting, the DTR on "user comfort and evaluation of smart textiles and wearables".
- AGS noted that Japanese NC has submitted the NP for "measurement method for assistive listening functionality".
- AGS recommended Japanese NC to submit a DTR on "power supplying scheme for wearable systems and equipment".
- AGS requested Mr. Ezaki to keep updating AGS about SG 10 activities.

(short break)

(5) Study Session 9 (HDR technology)

- Report of SS 9 meeting (CC and revised DTR) --- (J. Fairhurst) 100/AGS684, 100/AGS685
- DTR on measurement methods – High dynamic range video --- (J. Fairhurst) 100/AGS677 (100/2642/DTR) -- circulated for vote
- Mr. Fairhurst reported the development of Draft Technical Report of measurement methods – High dynamic range video as the outcome of SS9.
- AGS recommended Mr. Fairhurst to submit the final text of TR on "measurement method of high dynamic range video" for publication.

(6) Study Session 10 (Multimedia cyber technology)

- Report of SS 10 (SS 10 discussion issues) --- (J. Yoshio) 100/AGS675
- Call for membership of SS 10 --- (J. Yoshio) 100/AGS674
- Mr. Yoshio explained about the issues to be investigated in SS10.
- AGS requested Mr. Yoshio to finalize the call for member of SS10, and requested AGS secretary to issue the call for member to all AGS and AGM members.
- AGS recommended SS 10 to study standardization issues of multimedia cyber technology within the scope of TC 100.
- Chairman requested Mr. Yoshio to put priority for its activity.
- Mr. Yoshio answered that AV is first, however, it should be discussed after call for member.

(7) Smart city

- Report of SMB/SEG1, Smart cities --- (Hirakawa) 100/AGS691
- Dr. Hirakawa explained about the latest situation of SyC Smart City.

- 1st Plenary meeting will be on 2016-07-15 in Singapore together with workshop of smart city forum
- AGS thanked Dr. Hirakawa for his report on SyC Smart Cities and requested him to keep updating the AGS about SyC Smart Cities.

(8) Tiled display terminal

- Report of the NP on Multi-screen LCD display system --- (X. Y. Zhao) 100/AGS690
- AGS recommended that the Chinese NC should submit an NP on "multi-screen LCD display system".

(9) Hbb4ALL

- Report of the Hbb4All project --- (A. Tai) 100/AGS676, 100/AGS698
- Mr. Tai, Production Systems Television IRT, reported the update of Hbb4All since previous AGS meeting held on 2015-04. This report included the standardization issue.
- AGS thanked Mr. Tai for his report on Hbb4All and recommended that TA 1 and TA 16 investigate the possibility of international standardization of Hbb4All and prepare a report by next AGS meeting.

(10) RDS (Radio Data System)

- RDS2 - IEC 62106 adaptation progress --- (D. Kopitz) 100/AGS683
- Mr. Sakuma on behalf of Mr. Kopitz explained about RDS2 including activities in RDS Forum and the proposal to TC100/AGS.
- AGS thanked Mr. Kopitz and Mr Sakuma for the report on the new 8 part structure of RDS2 and recommended TA 1 to arrange an appropriate NP processing.

5.2 New contributions

(1) GARI (global accessibility reporting initiative)

- GARI by Mobile Manufacturers Forum (MMF) --- (S. Lobnig) 100/AGS702, 100/AGS702rev
- Ms. Sabine Lobnig , Mobile Manufacturers Forum (MMF), explained about GARI (global accessibility reporting initiative).
- Because the meeting document was different from the presentation material, 100/AGS702rev was provided after AGS meeting.
- AGS thanked Ms. Lopnig for her report on GARI.
- AGS requested TA16 to investigate the possibility of developing a liaison relationship with GARI by identifying a relevant project in TC100 to demonstrate the benefit of establishing the liaison relationship.

(2) Laser Display system

- Market and technology of laser display system --- (X. Zhao) 100/AGS686
 - Ms. Zhao explained about Laser Display system.
 - AGS recommended to investigate potential TC 100 standardization issues related to the topic of a laser display system before establishing a new study session.

6. Related activities

6.1 ITU-T, JTC 1 and TC 100 collaboration

- Report of the meeting with ITU-T and IEC TCs, 2016-02-09 --- (T. Ezaki) 100/AGS681, 100/AGS682
 - Mr. Ezaki reported ISO/IEC/ITU-T management meeting on Feb 9th.
 - Though this activity can contribute to resolve the overlap issue among different SDOs, next meeting schedule was not fixed yet.
 - AGS thanked Mr. Ezaki for his report of the meeting with ITU-T and IEC TCs, and AGS expected IEC CO to coordinate with ITU-T officers for resolving overlap issues.

6.2 Minimizing overlap of standardization

- Report of PONT activity --- (D. Felland and T. Ezaki) 100/AGSxxx
 - No PONT issue was reported in this meeting.
 - AGS requested PONT to discuss ways of avoiding conflict before TC100 Plenary meeting in Frankfurt. AGS encouraged AGS members to join the PONT discussion.

6.3 IoT Workshop

- Report of ISO/IEC/ITU Workshop on IoT, Berlin, 2016-05-13 --- (U. Haltrich) 100/AGS678
 - Ms. Haltrich reported about ISO/IEC/ITU Workshop on IoT held on 2016-05.
 - In the workshop, each activity in ISO, JTC1, IEC, ITU was introduced.
 - At IoT Perspectives from different sectors session, Ms. Grant introduced TC100 activity.
 - AGS thanks Ms. Haltrich for her report of the ISO/IEC/ITU Workshop on IoT.

7. Review of recommendations and agreed action items --- 100/AGS701

1. AGS received the proposal for adding Mr. Michael Dolan as an AGS member and welcomed him. AGS requests TC100 for approving his membership.
2. AGS requests Digital Europe to appoint a successor of Mr. D. Westerkamp as the AGS member.
3. AGS accepts Mr. Inokuchi's clarification of difference between Study Session (SS) and Stage-0 project and recommends SS members to refer to it when beginning work.
4. AGS requests Mr. Inokuchi to create the list of stage-0 project in AGS and to review whether TC100 project number has already assigned to all stage-0 projects in AGS. If there is any stage-0 project without TC100 project number, AGS requests TC100 secretaries to assign project number.
5. AGS recommends SS 1 to encourage stage-0 project for preparing an NP for TS on "UHD terminology".
6. AGS requests SS 5 to submit the revised ToR to AGM for the establishment of a new TA.
7. AGS recommends SS 7 to continue the study of standardization issues of robotics technology within the scope of TC 100 reviewing the activities of SMB/ACART and ISO TC 299.
8. AGS recommends SS 8 to put the collected use cases on the agreed template so that they can be used to justify new work in the appropriate TAs and Study Sessions.
9. AGS recommends SS 8 to continue the work on the stage 0 project for defining the scope of, and drafting, the DTR on "user comfort and evaluation of smart textiles and wearables".
10. AGS noted that Japanese NC has submitted the NP for "measurement method for assistive listening functionality".
11. AGS recommends Japanese NC to submit a DTR on "power supplying scheme for wearable systems and equipment".
12. AGS thanks Mr. Ezaki for his report on SMB/SG 10 and requests him to keep updating AGS about SG 10 activities.
13. AGS recommends SS 9 to submit the final text of TR on "measurement method of high dynamic range video" for publication.
14. AGS requests Mr. Yoshio to finalize the call for member of SS10 with closing date etc. and request AGS secretary to issue the call for member to all AGS and AGM members.
15. AGS recommends SS 10 to study standardization issues of multimedia cyber technology within the scope of TC 100.
16. AGS thanks Dr. Hirakawa for his report on SyC Smart Cities and requests him to keep updating the AGS about SyC Smart Cities.
17. AGS recommends that the Chinese NC should submit an NP on "multi-screen LCD display system".
18. AGS thanks Mr. Tai for his report on Hbb4All and recommends that TA 1 and TA 16 investigate the possibility of international standardization of Hbb4All and prepare a report by next AGS meeting.
19. AGS thanks Mr. Kopitz and Mr Sakuma for the report on the new 8 part structure of RDS2 and recommends TA 1 to arrange an appropriate NP processing.
20. AGS thanks Ms. Lopnig for her report on GARI.
21. AGS requests TA16 to investigate the possibility of developing a liaison relationship with GARI by identifying a relevant project in TC100 to demonstrate the benefit of establishing the liaison relationship.
22. AGS recommends to investigate potential TC 100 standardization issues related to the topic of a laser display system before establishing a new study session.
23. AGS thanks Mr. Ezaki for his report of the meeting with ITU-T and IEC TCs, and AGS expects IEC CO to coordinate with ITU-T officers for resolving overlap issues.
24. AGS requests PONT to discuss ways of avoiding conflict before TC100 Plenary meeting in Frankfurt. AGS encourages AGS members to join the PONT discussion.
25. AGS thanks Ms. Haltrich for her report of the ISO/IEC/ITU Workshop on IoT.

26. AGS expresses its appreciation to Austrian National Committee for handling arrangements of the AGS meeting and providing excellent facilities and refreshments.

8. Meeting schedule

TC100 Secretary explained the next meeting.

- Date: On the week of 2016-9-28
- Location: Frankfurt, Germany

9. Other business

None

10. Closing

The chairman closed the meeting at 16:30.