

The fourth Ad-Hoc meeting of ITU-T, JTC 1, TC 100 Joint High-Level meeting

In attendance:

Dr. Masahito Kawamori, Rapporteur of ITU-T SG 16 and IPTV JCA
 Ms. Cristina Bueti, Engineer of ITU-T SG 5
 Mr. Arthur Webster, Chairman of ITU-T SG 9
 Mr. Stefano Polidori, Counsellor of ITU-T SG 9
 Mr. Yushi Naito, Chairman of ITU-T SG 16
 Mr. Simão Campos, Counsellor of ITU-T SG 16
 Dr. Walter von Pattay, Secretary of ISO/IEC JTC 1/SC 25
 Mr. Gabriel Barta, IEC Central Office
 Dr. Yushi Komachi, Chairman of IEC TC100/AGS
 Mr. Tadashi Ezaki, Secretary of IEC TC 100
 Mr. Hiroyuki Iga, Assistant secretary of IEC TC 100
 Ms. Naomi Kuraya, observer
 Ms. Azusa Wakamatsu, observer

The meeting took place on Sunday, November 20, 2011, 10:00 to 13:40 at ITU room A in Geneva, Switzerland.

1. Opening:

Mr. Ezaki, IEC TC 100 Secretary started the meeting thanking to Mr. Simão Campos for his kind meeting facility arrangement. Apologies from Mr. David Felland, Mr. Matei Cocimarov and Mr. Henry Cuschieri were introduced. Roll call of delegates was made.

2. Approval of the agenda

The draft agenda, ITU T_JTC1_TC100_Adhoc_4_01, was reviewed. It was proposed to add "Action items" at the item 7 and the revised agenda was approved.

3. Report of the third TC 100 High Level Meeting Ad-Hoc on May 22nd, 2010 in Heidelberg, Germany.

Mr. Ezaki reviewed the meeting minutes, ITU T_JTC1_TC100_Adhoc_4_02. Dr. von Pattay requested to add a sentence that there was a question for future need of coaxial cable in a home. The report with the addition was approved.

4. Brief introduction of IEC TC 100:

Mr. Ezaki introduced IEC TC 100's overview briefly, based on the document ITU T_JTC1_TC100_Adhoc_4_03, for new participants who were not familiar with IEC TC 100.

5. Report of current collaborative works:

5.1 collaborative works between ITU-T SG 16 and IEC/TC 100

Mr. Ezaki reported standardization activity on Rights Information Interoperability (RII) for IPTV service in TC 100 based on the document, ITU T_JTC1_TC100_Adhoc_4_05 which was prepared by Mr. Sakakihara, Technical Secretary of TC 100/TA 8.

Dr. Kawamori thanked for the report and expressed that SG 16/Q 13 and IPTV GSI are welcome to continue collaboration with TC 100/TA 8 on Right Information Interoperability. He reported that the HSTP.IPTV-RIM (Rights Information Metadata for IPTV services) was updated in the meeting in Rio de Janeiro. The document is available on the SG 16 website. He mentioned that a harmonization and consolidation between the two documents would be needed. Dr. Kawamori would like to have technical discussion with TC 100/TA 8 by conference call or F2F meeting and would send a liaison statement to TC 100/TA 8 to invite participation on the work.

Regarding concern about inconsistency between RII and OIPF specification, Dr. Kawamori suggested need of coordination among ITU-T, ETSI and TC 100. Dr. von Pattay commented that JTC 1/SC 29 should be in the loop of RII discussion. There was a question on the status of

OIPF specification and liaison ship. Mr. Iga answered that the CDV of the first part of OIPF will be circulated at the beginning of 2012. Mr. Ezaki introduced about the way to access TC 100 working documents from liaison representative and he would distribute the informative document to the participants. Dr. Kawamori commented and questioned why IEC TC 100 is trying to standardize OIPF specifications which have inconsistency with ITU-T IPTV recommendation and how to reconcile the specifications. It was agreed the need of discussion in IEC TC 100 on OIPF and RII in cooperation with Dr. Kawamori.

5.2 collaborative works between ITU-T SG 9 and IEC/TC 100

Mr. Ezaki reported liaison activities between ITU-T SG 9 and TC 100 based on the document, ITU-T_JTC1_TC100_Adhoc_4_04. Liaison statement on the progress of the work on application control framework from ITU-T SG 9 to TC 100 and liaison statement on update of the liaison representative were introduced.

Mr. Webster commented that in the Society of Cable Telecommunication Engineers (SCTE), there was a discussion on IEC 60728-7-1, -2, -3 and SCTE specifications. TC 100 would inform TA 5 officers about this discussion.

5.3 collaborative works between ITU-T SG 5 and IEC/TC 100

Mr. Ezaki reported liaison activities between ITU-T SG 5 and TC 100 based on the document, ITU-T_JTC1_TC100_Adhoc_4_04. He reported that TC 100 received a liaison statement from ITU-T SG 5 on L.1000, power adaptor and TC 100 appointed Mr. Sakakihara as the liaison representative. Mr. Ezaki expressed concern about the extension of the scope of L.1000 to AV products which are in the cover range of TC 100. Regarding power feeding through cabling, Dr. von Pattay warned about the limitation of power feeding and introduced a Technical Report, ISO/IEC TR 29125 on allowance of power feeding. Ms. Bueti expressed thanks for the liaison ship on L.1000.

Mr. Ezaki expressed concern about universal Li-ion battery solution for mobile phone and other ICT device discussed in ITU-T SG 5. He suggested that the specifications of batteries should be developed in IEC TC 21. Ms. Bueti commented that there was a discussion on this issue in the SG 5 meeting in September 2011 in Seoul and it was agreed to create a new work item. She added that cooperation with IEC would be appreciated. Mr. Barta commented that battery industry, major stakeholder in IEC TC 21 would take a position that the proposal is not industry need and have a great concern on this work. He also commented that expertise of TC 21 must be considered in any battery related standardization. Dr. von Pattay commented that from system approach point of view, requirements from system committee should be submitted to the component committee to request the standardization. Ms. Bueti responded that SG 5 recognized the need of standard by looking at benefits and disadvantages of users. She noted that SG 5 has just started the item and after creation of the requirements, cooperative approach between SG 5 and IEC would be necessary.

Mr. Ezaki commented as a personal opinion that ITU-T SG 5 may be able to provide requirements but actual standardization should be made in IEC TC 21. Ms. Bueti responded that if IEC could send a liaison statement to SG 5, SG 5 would consider the way of working based on the statement. It was agreed that TC 100 will send a liaison statement to ITU-T SG 5 on behalf of this adhoc meeting to request to liaise with IEC, especially with TC 21 as well as TC 100.

5.4 collaborative works between ITU-T FG AVA and IEC/TC 100

Mr. Ezaki reported liaison activities between ITU-T Focus Group on Audio Visual Media Accessibility (FG AVA) and TC 100 based on the document, ITU-T_JTC1_TC100_Adhoc_4_04. He reported that Ms. Ulrike Haltrich was appointed as the liaison representative between FG AVA and TC 100. TC 100 received a liaison statement from ITU-T FG AVA on wireless connections to hearing aids. He stated that hearing aid related standards might be developed in IEC TC 29, Electroacoustics but TC 100 will continue communication with FG AVA anyway.

Dr. Kawamori, vice chairman of FG AVA, reported that FG AVA is discussing various issues and cooperating with organizations of disable people. FG AVA is expecting collaboration with TC 100 on hearing aid issue as well as TV and display issues as the name of audio-visual media means. He noted that accessibility to emergency information is becoming important because of recent

disasters and TV set would help disable people to access emergency information. The next FG AVA meeting will be held in January in Barcelona and hearing aid and text to speech issues would be discussed.

Mr. Campos explained about activities of Focus Group in ITU-T.

Mr. Ezaki introduced about 21st century video accessibility act in the U.S. and closed caption through IP network is discussed. Dr. Kawamori noted that ITU-T is focus on the caption issue as one of top priority issues and FG AVA formed a subgroup on captioning.

5.5 collaborative works between ISO/IEC JTC 1 and IEC/TC 100

Mr. Ezaki reported liaison activities between ISO/IEC JTC 1 and TC 100 based on the document, ITU-T_JTC1_TC100_Adhoc_4_04. He introduced collaborative activities of accessibility, wireless power transmission, Audio archive (SC 23), DLNA (SC 25), Encoding guidelines for portable multimedia CE products using MP4 file format with AVC video codec and AAC audio codec (SC 29) and EPUB (SC 34).

Dr. von Pattay introduced newly created SC 39, sustainability for and by Information Technology. WG 1 is for energy efficient data center and will investigate together with ITU-T SG 5. He introduced topics from SC 25, 2nd edition of ISO/IEC 24775 storage management, new parts of UPnP, and energy harvesting wireless protocol. Special working group on planning would investigate Social Networking, Web Collaboration, Mobile Applications and Ubiquitous Computing. Dr. von Pattay stated that cabling in home is not a work of TC 100/TA 5 and TA 5 is for cabling systems which go to the home. It would be clear to go to fiber optics and he questioned what cabling would be in the pre-cabled home, single plastic optical fiber, silicon fiber or coaxial cable?

6. Activity reports from related organizations:

6.1 IEC TC 100

Mr. Ezaki reported topics in TC 100 focusing on the result of its plenary meeting which was held 29th October in Melbourne, Australia based on the document, ITU-T_JTC1_TC100_Adhoc_4_06. The report includes:

- Establishment of new TAs, TA 13 and TA 14
- Change of title of TA 12 to include smart grid applications
- TC 100 Trials (CDV 3-months voting period, French version 30-days preparation)
- Simultaneous circulation of NP and CDV replacing TC 100 Fast Standardization procedure
- DLNA revisions and new parts
- OIPF specifications
- e-Book and e-Publishing format
- Wireless power transmission
- Measuring method of power consumption for AV equipment and PC
- Common battery charger interfaces
- Common DC power supply for PC
- Smart Grid and Home Energy Management System, DC power distribution
- Environmental conscious design for AV and ICT products, and
- Accessibility.

Regarding a note on simultaneous circulation of NP and CD in JTC 1, it was pointed out that the simultaneous circulation has been allowed for years and it was reminded in the plenary meeting. Regarding smart grid and intelligent homes, it was agreed that JTC 1/SC 25, TC 100 and TC 59 will cooperate as committees for equipment and systems in home.

Ms. Bueti commented that ITU-T SG 5 would like to know future activity of TA 14 on power consumption measurement or assessment for ICT because there might be overlap with two Questions in ITU-T SG 5, Methodologies of assessment on impact of ICT sector and Energy efficiency in data collection. Mr. Barta answered that IEC does not deal with assessment and KPIs and ISO TC 242 deals with the assessment. Mr. Ezaki responded that data centre is out of scope of TC 100 and TA 14 would investigate the two questions in SG 5 after receiving the information.

ITU-T expressed serious concern that OIPF specifications are going to be processed with fast standardization procedure in TC 100 although ITU-T and TC 100 has been cooperating on IPTV standardization issues since 2008. Mr. Ezaki responded that TC 100 would make efforts to

investigate the issue in cooperation with ITU-T.

Mr. Barta updated information on discussions for wireless power transmission in JTC 1. He explained the views from JTC 1 side that control protocols and software might be in the scope of JTC 1 although electrical specifications are not. He suggested that secretaries of JTC 1 and TC 100 should discuss the issue and give advice to Korean NC how to proceed. Mr. Campos commented that wireless power transmission and control protocol would be related to Internet of Things (IoT) which is discussed in ITU-T and requested to be informed for the progress. Dr. von Pattay provided information of SC 25 activity which may have duplication of efforts regarding USB IF standardization. TC100/TA 14 will confirm the issue with USB-IF.

6.2 ITU-T IPTV JCA

Dr. Kawamori reported on successful IPTV application challenge contest in ITU. The result can be seen in ITU-T IPTV website.

6.3 ITU-T SG 9

Mr. Webster reported on 3DTV quality assessment working together with ITU-R. He recalled video quality expert group which liaises with IEC TC 100/TA 11. Mr. Ezaki commented that TC 100 is looking at measuring methods for 3DTV from product point of view. TC 100 AGS is discussing 3DTV related standardization led by Mr. Jon Fairhurst and will also liaise with ITU-T SG 9.

6.4 ITU-T SG 5

Ms. Bueti reported on the last meeting discussions, green data centre, methodology for environmental assessment in ICT, environmental sustainability for ICT sector, green ICT application challenge, green ICT week and cooperation with IEC TC 111.

6.5 ISO/IEC JTC 1

Dr. von Pattay introduced recent topics on intelligent home focusing on interface for heating.

7. Further discussion of collaborations among ITU-T, ISO/IEC JTC 1 and IEC TC 100

The following collaborative items were identified as short term collaborations:

- Rights Information Interoperability
- IPTV related/Internet TV
- Accessibility
- 3D TV,
- Smart Grid related
- Requirements of home cabling using Fiber optics
- Wireless power transmission
- Climate change and environmental issues
- IoT (Internet of Things)

8. Action items

The following action items were confirmed:

- A) Amend the minutes of the last meeting that there was a question when the coaxial connection is no longer needed.
- B) ITU-T SG 16 and TC 100/TA 8 should have technical discussion through conference call or other tools for the RII specifications.
- C) Regarding OIPF issue in regard to RII, TC 100 should reconsider the harmonization between OIPF and RII specification and also discuss the issue among TC 100/TA 8, ITU-T and ETSI.
- D) It was noted that JTC 1/SC 29 should be in the loop of this RII discussion if necessary.
TC 100/TA 8 should communicate with SC 29
- E) Documents sharing by liaison organization, Ezaki will provide a guidance document.
- F) TC 100 secretary inform TA 5 TAM and TS about SCTE discussion on IEC 60728-7-1, 2, 3 for coordination.
- G) Regarding power through cabling, it was noted to take care of power limitation through cabling

to avoid for example, fire accident. Dr. von Pattay provided information for the Technical Report ISO/IEC TR 29125.

- H) Regarding universal battery specification, TC 100 will send a liaison letter to ITU-T SG 5 on behalf of this adhoc meeting to request to liaise with IEC, especially with TC 21 as well as TC 100.
- I) Adhoc member organizations to review specifications on terminology and taxonomy in home related to JTC 1/SC 25 provided by Dr. von Pattay and input comments.
- J) TC 100/TA 14 will provide information on scope and future plan in TA 14 to SG 5 and SG 5 will provide information of activities in SG 5 to TA 14.
- K) TC 100/TA 14 should cooperate with JTC 1/SC 39 on ICT environmental standards
- L) Dr. von Pattay provided information of SC 25 activity which may have duplication of efforts regarding USB IF standardization. TC100/TA 14 will confirm the issue with USB-IF.
- M) It was noted that there is a question when every TV set has IPTV input. The adhoc will keep the coaxial and other connections issue in the agenda items.
- N) TC 100 will provide progress of wireless power transmission standardization activities to ITU-T IoT activities (SG 16).

9. Date and place of the next meeting

It was agreed to find a date for the next adhoc meeting considering meeting dates of ITU-T SGs.

10. Closure of the meeting

Mr. Ezaki thanked all participants for their contribution and closed the meeting.