

Executive summary of Working Party 2 meeting of ITU-T SG9 (fully virtual, 25 November 2020)

A Working Party 2 meeting of ITU-T SG9 was held fully virtual on 25 November 2020. About 20 delegates attended. The session was held from 1030 to 1400 hours (CET) and through the remote connection tool available at ITU [MyMeetings](#).

The purpose for this meeting was to Consent three draft Recommendations, results from previous Q5/9, Q6/9 and Q8/9 Rapporteur e-meetings. It was also an occasion to review the work programme of WP2/9 as well as the interim activities of all Questions under WP2/9.

1. List of Consented/Determined Recommendations

During WP2/9 meeting, a total of three draft Recommendations were finalized and agreed for AAP Consent. The three draft Recommendations are found below.

1.1 List of three Consented draft Recommendations using AAP (ITU-T A.8)

Question	AAP/TAP	Rec	Status	Title	Final TD	A.5 justification
Q5/9	AAP	J.208 (J.acf-hrm)	New	Harmonization of Integrated Broadcast-Broadband DTV application control framework	SG9-TD956	N/A
Q6/9	AAP	J.1611 (J.pcnp-smgw)	New	Functional requirements for Smart Home Gateway	SG9-TD942	SG9-TD946R1
Q8/9	AAP	J.1301 (J.CBCMS-part1)	New	The specification of cloud-based converged media service to support IP and Broadcast Cable TV - Requirements	SG9-TD944R1	N/A

1.2 Results on draft Recommendations:

– **Summary of consented ITU-T J.208 (J.acf-hrm):**

Recommendations ITU-T J.207 and ITU-R BT.2075 provide guidance information for Integrated Broadcast-Broadband (IBB) service providers to select IBB systems for their use. In general, IBB systems comprise of various hardware and software components, and tailoring them for the specific IBB system leads to extensive development by manufacturers. On the other hand, in order to deploy the services in a wider area, IBB service providers need to develop their IBB applications for each IBB system if the operators or broadcasters on which the service providers intend to deploy their services use a different IBB system from the system on which the services are originally deployed.

Thus, it is beneficial for both IBB service providers and manufacturers of IBB capable reception devices such as STBs to harmonize IBB systems. It should also be considered that the use of companion devices is already a part of IBB services.

In addition, information on IBB application environment to implement an IBB application software for other IBB systems is useful to deploy the same service on different IBB systems.

Based on the ideas above, this Recommendation is intended to define methods for harmonization of IBB systems and/or their application environment by identifying commonalities across IBB systems and maximizing portability of IBB applications.

– **Summary of consented ITU-T J.1611 (J.pcnp-smgw):**

In a smart home solution, a smart home gateway is incorporated to connect various smart home appliances. In addition, an IoT-based connection management platform is required to enable various applications. These applicable solutions include home health, entertainment, security, and home automation, which promotes a safer, happier, and more comfortable and convenient lifestyle.

This Recommendation aims to define the functional requirements for a smart home gateway from both hardware and software point of view to ensure secure interoperability among consumers, businesses and industries by delivering a standardized communications platform and allowing devices to communicate cross operating system, service provider, transport technology or ecosystem.

– **Consent of ITU-T J.1301 (J.CBCMS-part1).**

This Recommendation describes functional requirement of the Cloud-Based Converged Media Service to support IP and Broadcast Cable TV. With the cloud-native technology development, cloud-based converged media service can be quickly deployed by cable television operators. This Recommendation specifies functional requirements, architecture requirements, interface requirements and security requirements for the cloud-based converged media service to support IP and Broadcast Cable TV. This Recommendation is Part 1 of a multi-part deliverable:

- **Part 1: Requirements;**
- Part 2: System architecture;
- Part 3: The terminal.

1.3 Other relevant results from other Questions:

1.3.1 Question 11/9 “Accessibility to cable systems and services”

WP2/9 confirmed the results of the new Question 11/9 “Accessibility to cable systems and services”, which agreed to start a new work item, planned to be approved as ITU-T Recommendation, on “Common user profile format for audiovisual content distribution” (J.acc-us-prof). This draft Recommendation aims to develop a common user profile format for audio-visual media, including but not limited to Broadband and digital TV, computer and smart phone software and web-based audio-visual systems.

2 Outgoing Liaison statements:

The following table shows the list of the 5 agreed outgoing liaison statements:

#	Questions	WP	To	For	Title	TD
1	5/9	2/9	IRG-IBB, ITU-T SG16, ITU-R SG6 WP6B	info	LS/o/r on smart TV Operating System	SG9-TD957R1
2	5/9	2/9	ITU-T SG13	info	LS/o/r on Deliverables of Focus Group NET2030	SG9-TD958
3	5/9	2/9	IRG-IBB, ITU-T SG16, ITU-R SG6 WP6B, ETSI TC CABLE, DVB	info	LS/o on AAP Consent of draft new Recommendation ITU-T J.208 (J.acf-hrm) "Harmonization of Integrated Broadcast-Broadband DTV application control framework"	SG9-TD962
4	6/9	2/9	BBF, ITU-T SG15, ITU-T SG16, ITU-T SG20	info	LS/o on AAP Consent of draft new Recommendation ITU-T J.1611 "Functional requirements for Smart Home Gateway"	SG9-TD960
5	8/9	2/9	DVB, ETSI TC CABLE, US Cablelabs, ITU-T SG13, ITU-T SG16	info	LS/o on AAP Consent of draft new Recommendation ITU-T J.1301 (J.CBCMS-part1) "The specification of cloud-based converged media service to support IP and Broadcast Cable TV – Requirements"	SG9-TD961

3 Interim meetings plan until next Study Group 9 meeting (April 2021)

Q	Date	Time CET	Terms of reference	Contact
1/9	15 January 2021	09:00-12:30	To finalize for consent J.rfip-switch-req and J.cable-rf-ip	Kei Kawamura (ki-kawamura@kddi.com)
6/9	2 February 2021	09:00-10:30	To discuss the draft J.pcnp-smgw-arch (The Architecture for Smart Home Gateway)	Mr Shizhu Long (longshizhu@skyworth.com)
7/9	5 January 2021	10:30-12:00	To discuss J.uoc (Unified Optical and Coaxial Platform for Cabinet-DOCSIS),	Mr TaeKyoon KIM (tkkim@etri.re.kr)

Q	Date	Time CET	Terms of reference	Contact
7/9	25 February 2021	10:30-12:30	To finalize J.uoc (Unified Optical and Coaxial Platform for Cabinet-DOCSIS) To finalize J.fdx-fspec (Functional specification for in-band full-duplex in HFC based network)	Mr TaeKyoon KIM (tkkim@etri.re.kr)
8/9	21 December 2020	09:00-10:30	To progress J.CBCMS-part2.	Steve Epstein (sepstein@synamedia.com)
8/9	4 March 2021	09:00-10:30	To progress J.CBCMS-part2.	Steve Epstein (sepstein@synamedia.com)
9/9	22-24 February 2021	09:00-12:30	To progress j. cable-ott, J.cable-mabr and J.pncp-char	Eric Wang (eric.wangxiang@huawei.com)
11/9	26 January 2021	15:00-17:00	To progress the work item on common user interface (CUP) draft Recommendation	Pradipta Biswas (pradipta@iisc.ac.in)

4 Decision to create a new sub-series under J-series Recommendations

It was agreed to create a new sub-series under J-series Recommendations as follows:

- J.1300-J.1309: *Cloud-based converged media services for IP and broadcast cable television.*

5 Next Study Group 9 meeting

The meeting of ITU-T SG9, planned in October 2020 in Tokyo, Japan was postponed to 19-28 April 2021 and will be held Fully Virtual due to the ongoing pandemic. As a contingency plan, two unplanned meetings of WP1 and WP2 were planned. WP1/9 will be held on 26 January 2021, while WP2/9 was held on 25 November 2020 and its results are outlined in this executive summary.