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| **itu-old** | INTERNATIONAL TELECOMMUNICATION UNION | | | | **COM 9 – R 3 – E** |
| **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2013-2016 | | | **March 2015** | |
| **English only**  **Original: English** | |
| **Question(s):** | | All/9 |  | | |
| **STUDY GROUP 9 – REPORT 3** | | | | | |
| **Source:** | | ITU-T Study Group 9  (*Television and sound transmission and integrated broadband cable networks*) | | | |
| **Title:** | | Report of the third meeting of Study Group 9 (Geneva, 8-12 September 2014) | | | |

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# 1 General

The third meeting of SG9 in the study period 2013-2016 took place at ITU Headquarters, Geneva, 8‑12 September 2014. The meeting was chaired by Mr A. Webster (US Department of Commerce NTIA/ITS, USA), assisted by Mr Stefano Polidori (TSB), and was attended by 43 delegates from 15 countries. Along with face-to-face meetings several sessions were supported by remote participation.

The list of participants can be found in [TD 405 Rev.1](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0405/en).

Following WTSA-12 Resolution 2 (§B.2, ANNEX B to WTSA-12 Resolution 2), SG9 was collocated with SG12 and a joint plenary session was held on Tuesday 9 September 2014 (see [§13](#_14_Report_of)).

The meeting was a paperless meeting.

# 2 Opening remarks

The TSB Director, Mr Malcolm Johnson, welcomed the participants to the SG9 meeting.

Mr Johnson was pleased to see an increase in contributions to SG9; 30 Contributions were submitted compared to 25 at the previous meeting. He reminded the newcomers that a briefing session on the work of the study group was planned at 12:30, after the Working Party opening Plenaries.

Mr Johnson highlighted the importance of collaboration among Study Groups and was pleased about the establishment of three Inter-Sector Rapporteur Group by SG9 to coordinate with ITU-R SG6 mainly, but also with ITU-T SG12 and SG16. It is very important to exploit all available collaboration tools, and the Inter-Sector Rapporteurs Groups will enhance coordination with the other ITU Sectors.

Also, the leadership of SG9 was praised for its initiative to address WTSA-12 Resolution 80 on *“Acknowledging the active involvement of the membership in the development of ITU Telecommunication Standardization Sector deliverables”.* Mr Johnson reminded SG9 that the TSAG meeting last June entrusted SG9 to implement its findings on Resolution 80 on a trial basis. This is a challenging opportunity for SG9 to increase participation (especially from academics) and to increase contributions.

Since the last SG9 meeting there have been 4 meetings of the Inter-Sector Rapporteur Groups and nine interim (rapporteur) meetings. This confirms that SG9 is a very active and dynamic group even if it is small.

Finally, Mr Johnson encouraged SG9 participants to consider the possibility of hosting SG9 meetings. Apparently China is interested in this possibility which would be welcomed as it is a long time since SG9 has been hosted outside Geneva. When a Study Group is invited to meet outside Geneva, it provides an opportunity to attract new members.

Mr Johnson concluded his opening address by wishing good luck to the SG9 participants for a productive meeting.

# 3 Agenda

The meeting approved the draft agenda to be found in [TD 397 Rev.1](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0397/en). The final agenda, including closing Plenary updates is found in [TD 397 Rev.3](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0397/en); it is also reproduced as [ANNEX 2](#_Annex_2_Final).

# 4 Approval of the report of the previous SG9 meeting

The report of the previous SG9 meeting (Geneva, 3-11 December 2013) was approved without changes [[COM9-R2](http://www.itu.int/md/T13-SG09-R-0002/en)].

# 5 Allocation of documents, work plan for the meeting, general info and newcomers

The list of [Contributions](http://www.itu.int/md/T13-SG09-131203-C/en) and [Temporary Documents](http://www.itu.int/md/T13-SG09-131203-TD/en) considered at the meeting of SG9 can be found at the following URL through the SG9 Webpage: <http://www.itu.int/md/T13-SG09/en>.

They are also available in the informal FTP area at: <http://ifa.itu.int/t/2013/sg9/docs/>.

The meeting approved the allocation of documents to the Question meetings and the conveners of Question meetings ([TD 400 Rev.2](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0400/en)). The final list of documents is reproduced as [ANNEX 1](#_Annex_1_Final). The list of incoming liaison statements was noted, it is found in [TD 399](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0399/en), The meeting also approved the meeting plan [TD 398 Rev.4](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0398/en), with the understanding that TSB would have it updated as required during the meeting. The final meeting plan is available as [TD 398 Rev.6](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0398/en).

TSB presented [TD 401](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0401/en) ‘Meeting facilities and useful information’ as well as [TD 403](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0403/en) ‘Newcomers' welcome pack’. A special session for newcomers was held during lunch time, right after the opening Plenary (see also [§20.1](#_19.1_Tutorial_Session)).

# 6 Feedback on interim activities since last meeting

The meeting took note of the following report, which was presented by TSB:

* [TD 402](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0402/en) – Summary results of action taken at and since last SG9 meeting (December 2013)

The meeting took note of the following reports, which were presented by the respective responsible Rapporteurs:

* [TD 419](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0419/en) – Report on **IRG-AVQA** – Boulder, USA, 23 January 2014
* [TD 474](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0474/en) – Report on **IRG-AVA** – Geneva, 25 February 2014
* [TD 422](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0422/en) – Report on **Q4/9** – E-meeting, 17-18 March 2014
* [TD 465](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0465/en) – Report on **Q3/9** – Geneva, 26-28 May 2014
* [TD 457](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0457/en) – Report on **Q6/9** – Geneva, 26-28 May 2014
* [TD 468](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0468/en) – Report on **Q10/9** – Geneva, 26-28 May 2014
* [TD 472](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0472/en) – Report on **Q13/9** – Geneva, 26-28 May 2014
* [TD 461](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0461/en) – Report on **Joint Q1 &** **Q7/9** – Geneva, 26-28 May 2014
* [TD 504](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0504/en) – Report on **IRG-AVA** – Sapporo, Japan, 2 July 2014
* [TD 495](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0495/en) – Report on **Joint Q2 & Q12/9** – Stockholm, Sweden, 7-11 July 2014
* [TD 494](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0494/en) – Report on **IRG-AVQA** – Stockholm, Sweden, 11 July 2014
* [TD 490](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0490/en) – Report on **Joint Q1 & Q7/9** – E-meeting, 23 July 2014
* [TD 499](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0499/en) – Report on **Q4/9** – E-meeting, 18-20 August 2014

# 7 Other reports and documents discussed during the opening Plenary session

## 7.1 JCA-SDN

The Secretariat introduced an incoming LS from JCA-SDN, to be found in [TD 412](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0412/en). This liaison requested SG9 to appoint a representative and provide inputs to the SDN activity map. Question 13 was requested to draft a liaison reply informing that SG9 appointed Dong Wang (ZTE, China) as JCA-SDN liaison representative.

## 7.2 SG11

The Secretariat presented [TD 418](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0418/en), which informed about the development of a Technical Report on Counterfeit ICT Equipment by SG11 Question 8. The document was noted by the meeting.

## 7.3 SG13

Mr Arthur Webster presented [TD 425](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0425/en) regarding ongoing ITU-T Q2/13 work on Information Control Networks and related applications. This liaison requires a reply form SG9, therefore Q7/9 and other interested Questions were requested to provide views to Q13/9 by the Wednesday morning session of Q13/9. Q13/9 was requested to harmonize the views and draft a reply LS to SG13.

## 7.4 ITU-R/BR

The secretariat presented [TD 452](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0452/en) regarding Recommendation ITU-R F.1105-3 “Fixed wireless systems for disaster mitigation and relief operations’. It was noted by the meeting.

## 7.5 JCA-AHF

Mr Arthur Webster presented [TD 454 Rev.1](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0454/en), Assistive Listening Devices (ALD) and the allocation of Mobile Phone Services in the 2.3-2.4 GHz band. Ms Margaret Pinson was requested to look at it and let Q13/9 know if a reply LS was needed. Q13/9 eventually decided to note the document in the meeting report.

## 7.6 ITU-R SG6

Mr Masaru Takechi presented [TD 473](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0473/en) which provides support for the establishment of the intersector rapporteur group on integrated broadcast broadband systems with some amended Terms of References. Question 4/9 was requested to look at these amendments and provide a feedback to the SG9 closing Plenary.

## 7.7 FG-SSC

Mr Arthur Webster presented [TD 481](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0481/en) which informs on Activities of the Focus Group on Smart Sustainable Cities. It was noted by the meeting.

## 7.8 SCV

Mr Arthur Webster presented [TD 484](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0484/en), which informs about ITU-T study group responsibilities set up in WTSA Resolution 67 (Rev. Dubai, 2012). The Chair of SG9, Mr Webster, is the liaison Rapporteur to SCV together with Tom Russell. SG9 Chair requested the Rapporteurs to look at this document and to apply its provisions when developing draft Recommendations.

## 7.9 SG16

Mr Arthur Webster presented [TD 485](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0485/en), which informs on the development in SG16 of draft ITU-T F.ACC-Term “*Accessibility Terms and Definitions*”. The document was noted by the meeting.

## 7.10 E-Learning course on Recommendation ITU-T A.1

The Secretariat presented [TD 413](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0413/en) which inform on an E-Learning course on Recommendation ITU-T A.1. SG9 delegates were encouraged to take the online course, including Rapporteurs and newcomers. The course will issue a certificate upon scoring 80% on the final test.

## 7.11 Guidelines on establishment of a National Standardization Secretariat

Mr Arthur Webster presented [TD 414](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0414/en), which informs on Guidelines on establishment of a National Standardization Secretariat. The document was noted by the meeting.

## 7.12 Cablelabs

Mr Arthur Webster presented [TD 477](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0477/en), which informs of Preliminary analysis for qualification of CableLabs according to ITU-T A.5. After short discussion, ITU-T SG9 approved the Qualification for Cablelabs according to ITU-T A.5.

## 7.13 Kaleidoscope

Mr Arthur Webster presented [TD 479](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0479/en), Kaleidoscope 2014 paper with respect to relevance in ITU-T Study Group 9 work. It provides a pointer to the Invited paper: “Convergence of Broadcasting and Broadband Internet - A benefit for people with disabilities (and for us all)”. The delegates were invited to consider this paper for possible use in ITU-T Recommendations developed by SG9.

## 7.14 SG9 guidelines

Mr Arthur Webster informed the meeting that the guideline used by SG9 to Consent documents was considered outdated by SG9 Management and therefore was proposed for deletion from the current in force guidelines. SG9 meeting approved this deletion. In regards to Consent of documents, SG9 will continue by simply following ITU-T official provisions.

Mr Webster also reminded the participants on the SG9 guidelines currently in force:

* [Guidelines for collaboration with ITU-T SG16](http://www.itu.int/oth/T1004000002/)
* [Checklist to draft Recommendations](http://www.itu.int/oth/T1004000003/)
* [Guidance on creating terms and definitions](http://www.itu.int/oth/T1004000004/)
* [Accessibility checklist](http://www.itu.int/pub/T-TUT-FSTP-2006-TACL/en)
* [Template to describe a proposed new ITU-T Recommendation](http://web.itu.int/oth/T1004000005/)

## 7.15 Proposal for modifying the Question texts of Q9/9

Contribution [C-60 Rev.1](http://www.itu.int/md/T13-SG09-C-0060/en) was presented by Jiansheng Zhang (Q9/9 Rapporteur). It is a proposal to update the ToR of Question 9/9. Question 9/9 was requested to discuss the proposal and report to SG9 closing Plenary.

# 8 Results from the last TSAG meeting

## 8.1 TSAG liaison statement on seeking input regarding Recommendations ITU-T A.4, A.5 and A.6

[TD 480](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0480/en) was presented by Mr Arthur Webster. Currently, the TSAG Rapporteur Group on “Strengthening Collaboration” (WTSA Res. 81), according to its ToR, is conducting its activities in reviewing Recommendations ITU-T A.4, A.5 and A.6. SG9 interested delegates were invited to participate in that Rapporteur Group and provide inputs regarding any improvements to the above Recommendations.

## 8.2 Outcome of TSAG workshop on big data in the telecommunications sector.

[TD 478](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0478/en) was presented by Arthur Webster. This TD informs all study group experts about the outcome of a workshop on “Big Data in the telecommunications sector”, which was held on 17 June 2014 from 16:30 to 19:00 within the TSAG meeting.

The workshop followed a recent [ITU-T Technology Watch report](http://www.itu.int/en/ITU-T/techwatch/Pages/big-data-standards.aspx) investigating big data, and responded to a call from the last TSB Director’s CTO meeting, [urging ITU-T](http://www.itu.int/en/ITU-T/tsbdir/cto/Documents/131118/CTO%20MEETING%20COMMUNIQU%c3%89%20November%20final.docx) to identify big data’s impact on telecom operators, especially in terms of new services and applications.

The workshop heard speakers from operators, equipment manufacturers, service providers, research institutes and academia - representative of the collaboration required to develop effective big data standards for the telecommunications sector. The session reviewed recent developments and considered the best approach for ITU-T to take into account big data.

The document was noted by the meeting.

## 8.3 Other TSAG results related to June 2014 meeting

The Secretariat presented [TD 510](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0510/en) which provides information related to TSAG results from the June 2014 meeting.

At last TSAG, SG9 Management submitted a liaison statement posted for SG9 information as TD 455 (GEN/9), which was noted by TSAG, and the continuation of relevant Questions endorsed by TSAG.

The main issue of SG9 interest relates to WTSA-12 Resolution 80. TSAG agreed that ITU-T SG9 implement on a trial basis the four proposals put forward by the ITU-T SG9 Chairman to acknowledge the active involvement of the membership in the development of ITU-T deliverables:

* Encourage the use of bibliography references to peer-reviewed publications which support technical decision made in ITU-T Recommendations
* List ITU-T Recommendations within e.g. IEEE Xplore, Web of Science (cost for both), Google Scholar (free)
* On the study group’s webpage, create a page for each Study Period that acknowledges all participants (i.e., chairs, rapporteurs, editors, contributors, attendees).
* On the publication page of a given ITU-T Recommendation, create a page which lists the authors who did submit at least one Contribution that was accepted to progress the Recommendation.

TSAG encouraged ITU-T SG9 to continue studying additional methods through the e-mail reflector and report back to TSAG 2015.

Q13/9 was requested to address this issue on its session scheduled on Wednesday (16:15-17:30).

# 9 SG9 organization (including Working Party structure, appointment of Rapporteurs, associate Rapporteurs and liaison officers)

At this SG9 meeting, two new Working Party Vice-chairs were appointed:

* Jingfei Cui (SARFT, China) was appointed as WP1 Vice-chairman
* Tae Kyoon Kim [ETRI, Korea (Rep. of)] was appointed as WP2 Vice-chairman

**WP1: video transport and quality**

(Questions: 1, 2, 3, 6, 11, 12/9)

WP1 Chairman: Satoshi Miyaji (KDDI, Japan)

WP1 Vice-chair: Jingfei Cui (SARFT, China)

**WP2: Cable-related terminals and applications**

(Questions: 4, 5, 7, 8, 9, 10/9)

WP 2 Chairman: Dong Wang (ZTE, China)

WP 2 Vice-chair: Tae Kyoon Kim [ETRI, Korea (Rep. of)]

**Q13/9 Work programme, coordination and planning**

(This Question reports to SG9 Plenary)

9.1 Appointment of Rapporteurs and associate Rapporteurs

SG9 has slightly revised the list of Rapporteurs and Associate Rapporteurs:

* **Q8/9:** Gale Lightfoot (CISCO, USA) is no longer the Rapporteur and Dong Wang (ZTE Corporation, China) is the Acting Rapporteur.
* **Q8/9:** Sung-Kwon Park (Ministry of Information and Communication, Korea) is the new Associate Rapporteur.
* **Q9/9:** Shaibal Chakrabarty (CISCO, USA) is no longer the Associate Rapporteur and the position is currently vacant.

The final list of Rapporteurs and Associate Rapporteurs was approved and is to be found in [TD 409 Rev.4](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0409/en)

9.2 New Appointment and change of appointment of liaison officers

SG9 has slightly revised the list of liaison officers:

* **Dong Wang (ZTE Corporation, China)** is SG9 representative to ITU-T JCA-SDN
* **Arthur Webster (NTIA, USA)** is a new SG9 representative to the Standardization Committee for Vocabulary.
* **Thomas Russell (SCTE, USA)** is no longer SCTE representative to SG9; this position is currently vacant.

SG9 approved the new set of Liaison Officers (LOs) that will serve in this role. The final list of LOs, which includes some former LOs as well as newly appointed LOs, is to be found in [TD 408 Rev.2](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0408/en).

[ANNEX 7](#_Annex_7_–) provides the updated list of Rapporteurs/Associate Rapporteurs and liaison officers, relevant to SG9.

# 10 IPR and Patents

In accordance with Recommendation A.1, § 1.4.6, the Chairman asked whether anyone had knowledge of patents which might be required to implement Recommendations being considered for “consent”.

The following organizations committed to submit a patent declaration in relation to the Recommendations ITU-T J.343 and J.343.1‑6 series: Opticom, Germany; SwissQual AG/ Rohde&Schwarz, Switzerland; Deutsche Telekom AG, Germany; Yonsei University, Korea (Rep. of).

The following organization committed to submit a patent declaration in relation to the Recommendations ITU-T J.1003: ETRI, Korea (Rep. of).

It was confirmed that no patent declaration with option 2.3 of the Common Patent Policy had been filed at the time of the application of the AAP.

The list of the ITU-T Patent statements database is available at <http://www.itu.int/ipr/IPRSearch.aspx?iprtype=PS>.

# 11 Recommendations

## 11.1 Recommendations consented using AAP (Recommendation A.8)

The Table below reproduces the thirteen Recommendations consented by the SG9 meeting also to be found in [TD 410 Rev.1](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0410/en). These Recommendations will be processed for approval following the Alternative Approval Process (AAP - Recommendation A.8).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Rec.** | **Q** | **Reference** | **A.5 Justification** | **Title** | **Contact** |
| ITU-T J.195.2 (J.HiNoC-phy) | 1, 7 | [TD 488](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0488/en) | N/A | Physical layer specification for high speed transmission over coaxial networks | Jingfei Cui, Ouyang Feng, Cui Zhao |
| ITU-T J.195.3 (J.HiNoC-mac) | 1, 7 | [TD 489](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0489/en) | N/A | Medium Access Control layer specification for high speed transmission over coaxial networks | Jingfei Cui, Ouyang Feng, Cui Zhao |
| ITU-T J.1003 (J.rcas-net) | 3 | [TD 535](http://web.itu.int/md/T13-SG09-140908-TD-GEN-05353/en) | N/A | Specifications of network protocol for renewable conditional access system | Han-Seung Koo |
| ITU-T J.201rev | 4 | [TD 561](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0561/en) | [TD 559](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0559/en) | Harmonization of declarative content format for interactive television applications | Aguinaldo Boquimpani, Masaru Takechi |
| ITU-T J.900 (J.Cable3DTV-Req) | 7 | [TD 553](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0553/en) | N/A | Requirements for Stereoscopic Three Dimensional Television Service over Hybrid Fiber and Coaxial based networks | Jung Joon-Young, Tae Kyoon Kim |
| ITU-T J.301 (J.arstv-req) | 10 | [TD 571 Rev.1](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0571/en) | N/A | Requirements of Augmented Reality Smart Television System | Soonchoul Kim |
| ITU-T J.343 (J.bitvqm) | 12 | [TD 527 Rev.3](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0527/en) | N/A | Hybrid perceptual bitstream video quality assessment | Chulhee Lee |
| ITU-T J.343.1 (J.bitvqm1) | 12 | [TD 541 Rev.2](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0541/en) | N/A | Hybrid-NRe objective perceptual video quality measurement for HDTV and multimedia IP-based video services in the presence of encrypted bitstream data | Chulhee Lee, Margaret Pinson |
| ITU-T J.343.2 (J.bitvqm2) | 12 | [TD 542 Rev.2](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0542/en) | N/A | Hybrid-NR objective perceptual video quality measurement for HDTV and multimedia IP-based video services in the presence of non-encrypted bitstream data | Chulhee Lee, Margaret Pinson |
| ITU-T J.343.3 (J.bitvqm3) | 12 | [TD 543 Rev.2](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0543/en) | N/A | Hybrid-RRe objective perceptual video quality measurement for HDTV and multimedia IP-based video services in the presence of a reduced reference signal and encrypted bitstream data | Chulhee Lee, Margaret Pinson |
| ITU-T J.343.4 (J.bitvqm4) | 12 | [TD 544 Rev.2](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0544/en) | N/A | Hybrid-RR objective perceptual video quality measurement for HDTV and multimedia IP-based video services in the presence of a reduced reference signal and non-encrypted bitstream data | Chulhee Lee, Margaret Pinson |
| ITU-T J.343.5 (J.bitvqm5) | 12 | [TD 545 Rev.2](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0545/en) | N/A | Hybrid-FRe objective perceptual video quality measurement for HDTV and multimedia IP-based video services in the presence of a full reference signal and encrypted bitstream data | Chulhee Lee, Margaret Pinson |
| ITU-T J.343.6 (J.bitvqm6) | 12 | [TD 546 Rev.2](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0546/en) | N/A | Hybrid-FR objective perceptual video quality measurement for HDTV and multimedia IP-based video services in the presence of a full reference signal and non-encrypted bitstream data | Chulhee Lee, Margaret Pinson |

Concerning ITU-T J.369.1, which was consented in 2012, it was decided to allow Q8/9 to discuss the current issues and try to fix the broken references in the document (see previous SG9 meeting report). At next SG9 meeting a decision will be taken in this respect.

## 11.2 Corrigenda to ITU-T Recommendations consented using AAP (Recommendation A.8)

The following table shows the ‘Consented’ draft Corrigenda to ITU-T Recommendations. These Corrigenda will be processed for approval following the Alternative Approval Process (AAP - Recommendation A.8):

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Rec.** | **Q** | **Reference** | **A.5 Justification** | **Title** | **Contact** |
| Corrigendum (J.205) | 4 | [TD 569 (GEN/9)](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0569/en) | N/A | Requirements for an application control framework using integrated broadcast and broadband digital television | Masaru Takechi |

## 11.3 Amendments

The following table shows agreed amendments to ITU-T Recommendations. This amendment reproduces an informative appendix to ITU-T J.181.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Rec.** | **Q** | **Reference** | **A.5 Justification** | **Title** | **Contact** |
| Amendment 1 (J.181) | 4 | [TD 456 (GEN/9)](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0456/en) | N/A | Recommended practice for J.181 digital program insertion cueing message for cable | Satoshi Miyaji |

# 12 SG9 Questions

A proposal to modify the text of Question 9/9 *“Requirements for advanced service capabilities over broadband cable home networks”* was discussed.

SG9 closing plenary considered the text and agreed to continue discussion electronically using SG9 email reflector ( [t13sg9all@lists.itu.int](mailto:t13sg9all@lists.itu.int) ). All Members of SG9 are invited to [subscribe](https://www.itu.int/net4/iwm/?p0=0&p11=ITU&p12=ITU-SEP-ITU-T-SEP-SP%2015-SEP-Study%20Group%209&p21=ITU&p22=ITU-SEP-ITU-T-SEP-SP%2015-SEP-Study%20Group%209) to this mailing list and submit comments until **1 February 2015**. Taking comments into account, SG9 will submit a liaison statement to TSAG in February 2015 to fulfill the three steps approval process as outlined in WTSA Resolution 1.

The latest version of the draft modified Terms of Reference for Q9/9 is to be found in [TD 526 Rev.1](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0526/en).

# 13 Report of joint SG9 and SG12 plenary session

The joint SG9 and SG12 plenary session was held on Tuesday 9 September 2014 (0900 - 1030). The meeting was co-chaired by the Chairmen of Study Group 9 (Mr Arthur Webster, USA) and of Study Group 12 (Mr Kwame Baah-Acheamfuor, Ghana). This was the second collocated meeting of SG9 and SG12 in this study period. The report from the joint Plenary with SG12 was published as [TD 531 (GEN/9)](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0531/en) equal to TD 547 (GEN/12). SG9 meeting approved the report.

# 14 Approval of Working Party reports

The Working Party 1 and Working Party 2 Chairmen presented the reports: [TD 444](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0444/en) (WP1) and [TD 445](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0445/en) (WP2). The meeting approved both reports with some editing related to WP2 report, final version posted as [TD 445 Rev1](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0445/en). The final WP reports are found in [ANNEX 4](#_Annex_4_-) and [ANNEX 5](#_Annex_5_-) to this report.

# 15 Approval of Questions reports

The reports of the various Questions meetings were presented by their Conveners during the related WP Plenary sessions, they were reviewed and approved. In this regards, see the WP1 and WP2 reports as detailed in [§14](#_15__Approval).

Only Q13/9 report was presented during the SG9 Closing Plenary, as Q13/9 reports directly to SG9 Plenary. Mr. Satoshi Miyaji (Q13/9 Rapporteur, KDDI Corporation, Japan) presented [TD 443](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0443/en) (Q13/9 report).

Question 13/9 reviewed six (6) incoming liaison statements. The group prepared six (6) outgoing liaison statements which were approved by SG9 meeting (see [§16](#_18_Liaison_statements)). The report was approved by SG9; it is reproduced in [ANNEX 6](#_Annex_6_–) to this report.

# 16 Liaison statements

All outgoing liaison statements proposed by Q13/9 were approved as well as the liaison statements already revised and approved during the WP1/9 and WP2/9 plenary sessions (see [TD 406 Rev.1](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0406/en)). The list of outgoing liaison statements (in total 27) approved at the meeting is reproduced in [ANNEX 3](#_Annex_3_-).

# 17 Work programme for 2013 – 2016

SG9 approved the Work Programme for Recommendations under the responsibility of SG9 given in WP1 and WP2 reports (see [§14](#_15__Approval)).

The SG9 updated work programme can be accessed online at:  
<http://www.itu.int/ITU-T/workprog/wp_search.aspx?isn_sp=1749&isn_sg=1753&isn_status=-1,1,3,7&details=0&field=aebcgfkjl>.

## 17.1 New Work Items

SG9 agreed to start working on the following new work items:

| Question | Work item | status | Title | Editor | Timing | Reference |
| --- | --- | --- | --- | --- | --- | --- |
| Q1/9 | J.94rev | Revised | Service information for digital broadcasting in cable television systems | Naoyoshi Nakamura  Yoshitaka Hakamada | 2015 | [TD 575 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0575/en) |
| Q1/9 | J.183rev | Revised | Time-division multiplexing of multiple MPEG-2 transport streams over cable television systems | Naoyoshi Nakamura  Yoshitaka Hakamada | 2015 | [TD 576 Rev.1 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0576/en) |
| Q1 (lead)  Q7/9 | J.195.1rev | Revised | J.HiNoC-req | Jingfei Cui | 2015 | [TD 554 Rev.1 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0554/en) |
| Q2/9 | J.vqm-hevc | New | Objective perceptual video quality measurement methods for H.265 | Chulhee Lee  Margaret Pinson | 2016 | [Annex C TD 432 Rev.1](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0432/en) |
| Q2/9 | J.q-uhd | New | Quality measurement methods for UHD services | Chulhee Lee  Margaret Pinson | 2016 | [Annex D TD 432 Rev.1](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0432/en) |
| Q3/9 | J.rcas-ac | New | Interface specifications between authorization centre (AC) and conditional access module authentication sub-system (CASS) | Han-Seung Koo | 2015 | [TD 537 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0537/en) |
| Q3/9 | J.rcas-saf.req | New | Requirements for Smart Agricultural Framework over RCAS in CATV network | Han-Seung Koo | 2016 | [TD 538 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0538/en) |
| Q12/9 | J.op-tr | New | Methods for Optimizing Bitrates and Transmission Resolution by Considering Display Characteristics and Available Bandwidth | Chulhee Lee | 2016 | [TD 532 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0532/en) |
| Q12/9 | P.911-rev | Revised | Subjective audiovisual quality assessment methods for multimedia applications | Chulhee Lee  Margaret Pinson | 2015 | [TD 547 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0547/en) |
| Q12/9 | P.912-rev | Revised | Subjective video quality assessment methods for recognition tasks | Chulhee Lee  Margaret Pinson | 2015 | [TD 528 Rev.1 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0528/en) |

# 18 Future meetings

## 18.1 Next WP meetings

No interim WP meetings will be held before next SG9 meetings.

## 18.2 Next SG9 meeting

Next SG9 meeting is currently scheduled in Geneva, 09-13 February 2015, however SG9 Chairman informed the meeting that SG9 could postpone its meeting to June 2015, pending a confirmation to be invited out of Geneva. SG9 Management will reassess the situation and make a final decision in the middle of November 2014 and inform SG9 delegates via email reflector on any news in this regard.

## 18.3 Interim meetings of Rapporteur Groups

The SG9 meeting agreed on the following interim meetings of Rapporteur Groups ([TD 407 Rev.3](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0407/en)) planned for the interim period before the next SG9 meeting. This list might be updated in November 2014 depending on SG9 Management decision to move SG9 meeting from February to June 2015. The updated list of interim meetings will be found on the ITU-T SG9 dedicated web page at:

<http://www.itu.int/en/ITU-T/studygroups/2013-2016/09/Pages/meetings.aspx>.

| **Q** | **Date** | **Place / Host** | **Host Contact** | **Terms of reference** | **Rapporteur/Acting** |
| --- | --- | --- | --- | --- | --- |
| **1/9** | x-y February 2015 | TBD | TBD | Development of J.94rev and J.183rev if SG9 meeting is not held in Feb. 2015. | sh-sakazawa@kddi.com |
| **Joint Q1/9 and Q7/9** | February 2015 | TBD | TBD | Discussion of new work item if SG9 meeting is not held in Feb. 2015 | sh-sakazawa@kddi.com tkkim@etri.re.kr |
| **2/9** | x-y January 2015 (TBD) | USA | TBD |  | chulhee@yonsei.ac.kr |
| **Joint 2/9 and 12/9** | x-y January 2015 | USA/ VQEG | TBD | Progress on P.3D-sam, P.3D-disp-req, J.3D-fatigue, J.src-vq, J.op-tr, J.vqm-hevc, J.q-uhd, P.av-ims. | chulhee@yonsei.ac.kr mpinson@its.bldrdoc.gov |
| **2/9** | x-y March 2015 (TBD) | E-meeting | TBD |  | chulhee@yonsei.ac.kr |
| **Joint 2/9 and 12/9** | x-y March 2015 | E-meeting | TBD | Progress on P.3D-sam, P.3D-disp-req, J.3D-fatigue, J.src-vq, J.op-tr, J.vqm-hevc, J.q-uhd, P.av-ims. | chulhee@yonsei.ac.kr mpinson@its.bldrdoc.gov |
| **3/9** | x-y December 2014 or January 2015 [TBC] | Geneva [TBC] | TBD | Progress on J.drm-req, J.rcas-ac, and J.rcas-saf.req | koohs@etri.re.kr |
| **4/9** | x-y January 2015 (TBD) | E-Meeting  (TBD) | TBD | Progress on J.acf-spec, J.cab-mob-req, and J.hadi | takechi.m-fa@nhk.orjp |
| **4/9** | x-y April 2015 (TBD) | E-Meeting  (TBD) | TBD | Progress on J.acf-spec, J.cab-mob-req, and J.hadi | takechi.m-fa@nhk.orjp |
| **5/9** | 1st week of December, 2014 or 2nd week of January, 2015  (TBD) | Geneva TBD | TBD | Drafting J.rg-spec | matsumoto@jlabs.or.jp |
| **Joint Q5/9, Q8/9 and 9/9** | 1st week of December, 2014 or 2nd week of January, 2015(TBD) | Geneva, SG9 | TBD | Progress on J.rg-spec, J.iptvappclient and J.lasdp-req Discussion on common topic , such as IoT/M2M, Cloud, etc | matsumoto@jlabs.or.jp Wang.dong@zte.com.cn zhangjs@chinabtn.com |
| **Joint Q5/9, Q8/9** | 1st week of December, 2014 or 2nd week of January, 2015(TBD) | Geneva, SG9 | TBD | To discuss the possible new work item on optical network based cable TV services Discuss any other new work item | sp2996@hanyang.ac.kr matsumoto@jlabs.or.jp |
| **Joint Q8/9** | 1st week of December, 2014 or 2nd week of January, 2015(TBD) | Geneva, SG9 | TBD | To discuss new work items | sp2996@hanyang.ac.kr |
| **9/9** | 1st week of December, 2014 or 2nd week of January, 2015(TBD) | E-Meeting | TBD | Progress on J.lasdp-req | zhangjs@chinabtn.com |
| **10/9** | TBD December 2014 | TBD | TBD | Progress on J.arstv-spec | tk-takahashi@kddi.com |
| **13/9** | TBD February 2014 | Geneva | TBD | To handle any incoming liaison statement, plus any issue for coordination | sa-miyaji@kddi.com |

# 19 Intersector Rapporteur Groups (IRG-AVQA; IRG-AVA; IRG-IBB)

## 19.1 IRG-IBB

A new Intersector Rapporteur Group on Integrated Broadcast-Broadband systems ([IRG-IBB](https://www.itu.int/en/irg/ibb/Pages/default.aspx)) was established by ITU-T SG9 in accordance with Annex C of WTSA-12 Resolution 18 and the corresponding provisions in Resolution ITU-R 6 (in line with the Conclusions of the Radiocommunication Advisory Group (RAG) taken at their meeting on 22-24 May 2013, ref. agenda item 5 in <http://www.itu.int/en/ITU-R/conferences/rag/Documents/SUMOFCONCLFINAL.docx> ). The final terms of reference of the new IRG-IBB, as approved by ITU-T SG9 and ITU-R SG6 are found in [TD 560](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0560/en).

## 19.2 IRG-AVQA

The Intersector Rapporteur Group on Audiovisual Quality Assessment (IRG-AVQA) successfully held their third meeting on 8 September 2014. The group expressed support for this activity as it helps collaboration on topics of mutual interest. IRG-AVQA planned their fourth meeting on 12 November 2014, co-located with ITU-R WP6C meeting. See <https://itu.int/en/irg/avqa> .

## 19.3 IRG-AVA

The Intersector Rapporteur Group on audiovisual accessibility (IRG-AVA) did not meet during SG9 meeting. The reports from the first and second meetings were presented by Margaret Pinson, SG9 representative. IRG-AVA planned their third meeting in November 2014. See <https://itu.int/en/irg/ava> .

# 20 Any Other Business

## 20.1 Tutorial Session for newcomers

A tutorial session was held during lunch time on Monday8 September 2014. SG9 Chairman gave a short presentation on SG9 activities and the Working Party Chairs provided a short introduction to their Working Parties. TSB provided two presentations: a generic overview on the ITU and an introduction to the ITU-T working methods. The PPT presentations can be found in [TD 404](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0404/en).

## 20.2 Output of Resolution 80

SG9 has also progressed the discussion to propose a way forward to TSAG on WTSA-12 Resolution 80 (Dubai, 2012) “Acknowledging active involvement of the Membership in the development of ITU-T deliverables”. An initial proposal on this topic was submitted to the TSAG meeting (June 2014). Further, TSAG requested SG9 to implement, on a trial basis, their findings on WTSA-12 Resolution 80. To follow up on this request SG9 developed and agreed on the following guidelines: *Implementation details of WTSA-12 Resolution 80 pilot in SG9*. This guideline is available as [TD 583 Rev.1](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0583/en).

# 21 Closing

Mr Arthur Webster, SG9 Chair, thanked the delegates for their earnest participation in the SG9 to progress the work, and particularly Mr Satoshi Miyaji (Vice-Chair and WP1 Chair), Mr Dong Wang (Vice-Chair and WP2 Chair), Rapporteurs, Editors, SG9 Secretariat and the other TSB colleagues for their support and active involvement during the meeting.

The meeting was adjourned at 1230 hours on 12 September 2014.

## ANNEX 1 Final list of documents

1. **Contributions**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Web** | **Received** | **Source** | **Title** | **Questions** |
| [C 86](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0086) | 2014-08-26 | Agência Nacional de Telecomunicações - ANATEL | Proposed update on the text of Draft New Recommendation J.cab-mob-req | Q4/9 |
| [C 85](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0085) | 2014-08-26 | Rohde & Schwarz GmbH & Co. KG | Support for a Recommendation J.bitvqm and proposal to merge models TVM-Hybrid Encrypted and VMon for inclusion therein | Q12/9 |
| [C 84](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0084)  (Rev.1) | 2014-08-26 | Korea (Rep. of) | Proposed Draft New Recommendation, "Requirements for Stereoscopic Three Dimensional Television Service over Hybrid Fiber and Coaxial based networks," in J.Cable3DTV-req for AAP Consent | Q7/9, Q1/9 |
| [C 83](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0083)  (Rev.1) | 2014-08-26 | Korea (Rep. of) | Proposed New Work Programmes for Smart Agricultural Framework over RCAS | Q3/9 |
| [C 82](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0082)  (Rev.1) | 2014-08-26 | Korea (Rep. of) | Proposed New Standardization Work Programme for RCAS AC-CASS interface specification | Q3/9 |
| [C 81](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0081)  (Rev.1-2) | 2014-08-26 | Korea (Rep. of) | Proposed Draft New Recommendation J.rcas-net for AAP Consent | Q3/9 |
| [C 80](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0080)  (Rev.1) | 2014-08-26 | Korea (Rep. of) | Objective Perceptual Video Quality Measurement Methods for HEVC | Q2/9, Q12/9 |
| [C 79](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0079)  (Rev.1) | 2014-08-26 | Korea (Rep. of) | Optimal video transmission based on perceptual video quality | Q12/9 |
| [C 78](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0078)  (Rev.1) | 2014-08-26 | Korea (Rep. of) | Model Selection for J.bitvqm | Q12/9 |
| [C 77](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0077)  (Rev.1) | 2014-08-26 | Korea (Rep. of) | 3D Video Perceptual Quality and Viewing Distances (P.3D-sam) | Q12/9 |
| [C 76](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0076)  (Rev.1) | 2014-08-26 | Korea (Rep. of) | UHDTV Service Quality Issues and Measurement Tools | Q2/9, Q12/9 |
| [C 75](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0075)  (Rev.1) | 2014-08-26 | Korea (Rep. of) | Proposal of editorial change of draft new Recommendation J.arstv-req for AAP Consent | Q10/9 |
| [C 74](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0074)  (Rev.1) | 2014-08-26 | Electronics and Telecommunications Research Institute (ETRI) | Proposal of metadata specification for service control in augmented reality smart television (ARSTV) | Q10/9 |
| [C 73](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0073)  (Rev.1) | 2014-08-26 | Korea (Rep. of) | Proposal of system specification for content synchronization and signalling for augmented reality smart television (ARSTV) | Q10/9 |
| [C 72](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0072) | 2014-08-26 | Ministry of Administration and Digitization, Poland | Proposed Changes to P.912, "Subjective video quality assessment methods for recognition tasks" | Q12/9 |
| [C 71](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0071) | 2014-08-26 | Ministry of Administration and Digitization, Poland | Proposed Changes to P.912, "Subjective video quality assessment methods for recognition tasks" | Q12/9 |
| [C 70](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0070) | 2014-08-26 | Ministry of Administration and Digitization, Poland | Proposed Changes to P.912, "Subjective video quality assessment methods for recognition tasks" | Q12/9 |
| [C 69](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0069) | 2014-08-26 | Ministry of Administration and Digitization, Poland | Proposed Changes to P.912, "Subjective video quality assessment methods for recognition tasks" | Q12/9 |
| [C 68](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0068)  (Rev.1) | 2014-08-25 | United States | Proposal to Include the "Summary" of "VQEG's Hybrid Perceptual/Bitstream Validation Test Final Report" within the text of J.bitvqm | Q12/9 |
| [C 67](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0067)  (Rev.1) | 2014-08-25 | United States | Proposed Organization of Draft New Recommendation J.bitvqm | Q12/9 |
| [C 66](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0066) | 2014-08-25 | Germany | Proposed amendment of ITU-T Draft Recommendation J.bitvqm | Q12/9 |
| [C 65](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0065) | 2014-08-25 | Germany | Proposed text with values concerning emissions from cable TV systems related to TD 177 | Q13/9 |
| [C 64](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0064)  (Rev.1) | 2014-08-22 | Japan Cable Laboratories | Proposal for initiating New Work Item "Requirements for 4K Cable STB" | Q5/9 |
| [C 63](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0063)  (Rev.1) | 2014-08-22 | Japan Cable Laboratories | Proposed modification for Draft New Recommendation J.drm-req | Q3/9 |
| [C 62](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0062)  (Rev.1) | 2014-08-22 | Ministry of Industry and Information Technology (MIIT), China | Proposal of modification on J.lasdp-req for removing the text of section 13 to Appendix II | Q9/9 |
| [C 61](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0061)  (Rev.1) | 2014-08-22 | Ministry of Industry and Information Technology (MIIT), China | Proposal of considerations on home cloud technology developing | Q9/9 |
| [C 60](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0060)  (Rev.1) | 2014-08-22 | Ministry of Industry and Information Technology (MIIT), China | Proposal for modifying the Question texts of Q9/9 | Q9/9 |
| [C 59](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0059) | 2014-08-22 | Nippon Hoso Kyokai (NHK) (Japan Broadcasting Corporation) | Proposed new work item for high speed transmission scheme by channel bonding technology for UHDTV distribution on cable TV networks | Q1/9 |
| [C 58](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0058)  (Rev.1) | 2014-08-22 | Electronics and Telecommunications Research Institute (ETRI) | Considerations of New Optical Media Platform Standardizations for an Optical Network based Cable TV Services in ITU-T SG9 | Q5/9 |
| [C 57](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-C-0057)  (Rev.1) | 2014-08-21 | Orange | Audiovisual quality assessment: study for modification of ITU-T P.911 | Q12/9 |

**2 Collective Letters**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Web** | **Received** | **Source** | **Title** | **Destination** |
| [COL 2](http://www.itu.int/md/T13-SG09-COL-0002/en) | 2014-06-30 | SG9 | Meeting of Study Group 9; Geneva, 8-12 September 2014 | SG9 |

1. **Temporary Documents (GEN)**

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| **Web** | **Received** | **Source** | **Title** | **Questions** |
| [[ TD 583-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0583)  (Rev.1) | 2014-09-11 | Chairman SG9 | Implementation details of WTSA-12 Resolution 80 pilot in SG9 | Q13/9 |
| [[ TD 582-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0582) | 2014-09-11 | Rapporteur Q13/9 | LS/o/r on Telecommunication Management and OAM Project Plan (reply to SG2 - LS 67) [to ITU-T SG2] | Q13/9 |
| [[ TD 581-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0581) | 2014-09-11 | Rapporteur Q13/9 | LS/o/r on SDN standardization activity map (reply to JCA-SDN - LS 002) [to JCA-SDN] | Q13/9 |
| [[ TD 580-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0580) | 2014-09-11 | Rapporteur Q13/9 | LS/o/r on Consent of J.382 and Current Work of TC Cable (reply to ETSI TC Cable - CABLE(14)000043) [to ETSI TC Cable] | Q13/9 |
| [[ TD 579-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0579) | 2014-09-11 | Rapporteur Q13/9 | LS/o/r on Current status on draft Recommendation ITU-T K.mhn and issues related to coexistence of wired telecommunications and radio communication (reply to SG5 - LS 83) [to ITU-T SG5, ITU-R WP1A, 4C, 5A, 5B, 5C & 6A] | Q13/9 |
| [[ TD 578-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0578) | 2014-09-11 | Rapporteur Q13/9 | LS/o/r on Recommendation ITU-T K.60 - Coexistence of wired and wireless communication systems (reply to SG5 - LS 78) [to ITU-T SG5] | Q13/9 |
| [[ TD 577-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0577) | 2014-09-11 | Rapporteur Q13/9 | LS/o/r on request to all SGs to follow up on the Council 2013 C&I Action Items for implementation by ITU-T SGs (reply to SG11 - LS 56) [to ITU-T SG11 and JCA-CIT] | Q13/9 |
| [[ TD 576-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0576)  (Rev.1) | 2014-09-11 | Rapporteur Q1/9 | Output - Draft revised Recommendation J.183 " Time-division multiplexing of multiple MPEG-2 transport streams over cable television systems " for progressing | Q1/9 |
| [[ TD 575-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0575) | 2014-09-11 | Rapporteur Q1/9 | Output - Draft amendment of Recommendation J.94 " Service information for digital broadcasting in cable television systems " for progressing | Q1/9 |
| [[ TD 574-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0574) | 2014-09-11 | Rapporteur Q1/9 | LS/o/r on comment on draft new Recommendation ITU-T J.604 (ex J.svc) [to ITU-R WP6C] | Q1/9 |
| [[ TD 573-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0573)  (Rev.1) | 2014-09-11 | Rapporteur Q1/9 | LS/o on a new study for high speed transmission scheme by channel bonding technology for UHDTV distribution on cable TV networks [to ITU-R Working Parties 4B , SG6 and ETSI] | Q1/9 |
| [[ TD 572-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0572) | 2014-09-11 | Rapporteur Q10/9 | Output - Draft recommendation ITU-T J.arstv-spec "System specifications of Augmented Reality Smart Television Service" | Q10/9 |
| [[ TD 571-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0571)  (Rev.1) | 2014-09-11 | Rapporteur Q10/9 | Consent - Draft recommendation ITU-T J.301 (J.arstv-req) "Requirements of Augmented Reality Smart Television System" | Q10/9 |
| [[ TD 570-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0570) | 2014-09-11 | Rapporteur Q10/9 | LS/o on AAP concent of new Recommendation J.arstv-req ("Requirements of Augmented Reality Smart Television System") [to ITU-R Working Party 6C , ISO/IEC JTC 1/SC 29/WG 11] | Q10/9 |
| [[ TD 569-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0569) | 2014-09-11 | Rapporteur Q4/9 | Consent - Proposed Corrigendum 2 to Recommendation J.205 "Requirements for an application control framework using integrated broadcast and broadband digital television" | Q4/9 |
| [[ TD 568-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0568) | 2014-09-11 | Rapporteur Q4/9 | LS/o/r on revision of Recommendation J.205 for update of definitions (reply to ITU-R WP 6B - Document 6B/TEMP/111) [to ITU-R WP6B] | Q4/9 |
| [[ TD 567-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0567) | 2014-09-11 | Rapporteur Q4/9 | LS/o on recent activities on Recommendations related to Integrated Broadcast-Broadband [to ITU-R WP6B] | Q4/9 |
| [[ TD 566-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0566) | 2014-09-11 | Rapporteur Q4/9 | LS/o on recent activities on Integrated Broadcast-Broadband Recommendations in Study Group 9 [to ITU-T SG16] | Q4/9 |
| [[ TD 565-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0565)  (Rev.1) | 2014-09-11 | Rapporteur Q4/9 | LS/o/r on broadcasting terms and definitions being considered by CCV (reply to SCV LS5) [to ITU-T SCV] | Q4/9 |
| [[ TD 564-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0564) | 2014-09-11 | Rapporteur Q4/9 | LS/o/r on support of updated Terms of Reference of IRG-IBB (reply to ITU-R SG 6 - Document 6/242)[to ITU-R SG6] | Q4/9 |
| [[ TD 563-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0563) | 2014-09-11 | Rapporteur Q4/9 | Output - Proposed update on the text of Draft New Recommendation J.cab-mob-req | Q4/9 |
| [[ TD 562-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0562) | 2014-09-11 | Rapporteur Q4/9 | Output -- Draft New Recommendation J.acf-spec " Specification for Integrated Broadcast and Broadband DTV application control framework" for progressing | Q4/9 |
| [[ TD 561-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0561) | 2014-09-11 | Rapporteur Q4/9 | Consent - proposed draft revision of Recommendation J.201 "Harmonization of declarative content format for interactive television applications" | Q4/9 |
| [[ TD 560-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0560) | 2014-09-11 | Rapporteur Q4/9 | Approval - Draft update of Terms of Reference of Intersector Rapporteur Group on Integrated Broadcast-Broadband systems | Q4/9 |
| [[ TD 559-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0559) | 2014-09-11 | Rapporteur Q4/9 | A.5 justification information for draft revised J.201 | Q4/9 |
| [[ TD 558-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0558)  (Rev.1) | 2014-09-11 | Rapporteurs Q5, 8 and 9/9 | Joint Report of Q5, 8 and 9/9 meeting (Geneva, 8-12 September 2014) | Q9/9, Q8/8, Q5/9 |
| [[ TD 557-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0557)  (Rev.1) | 2014-09-11 | Rapporteur Q1/9, Rapporteur Q7/9 | Joint Report of Question 1/9 and 7/9 meeting (Geneva, 8-12 September 2014) | Q7/9, Q1/9 |
| [[ TD 556-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0556)  (Rev.1) | 2014-09-11 | Rapporteur Q7/9 | LS/o/r on draft new Recommendation ITU-T Y.ICN-Reqts "Requirements and capabilities for Information Control Networks and related applications" (reply to SG13 LS60) [to ITU-T SG13] | Q7/9 |
| [[ TD 555-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0555) | 2014-09-11 | Rapporteur Q1/9, Rapporteur Q7/9 | Case study - Interference to aeronautical signal by HiNoC leakage signal | Q7/9, Q1/9 |
| [[ TD 554-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0554)  (Rev.1) | 2014-09-11 | Rapporteur Q1/9, Rapporteur Q7/9 | Modification to Recommendation J.195.1 (J.HiNoC-req) "Functional Requirements of high speed transmission over coaxial network connected with Fiber To The Building" | Q7/9, Q1/9 |
| [[ TD 553-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0553) | 2014-09-11 | Rapporteur Q1/9, Rapporteur Q7/9 | Consent - Draft new Recommendation J.900 (J.cable3DTV-req) "Requirements for Stereoscopic Three Dimensional Television Service over Hybrid Fiber and Coaxial based networks" | Q7/9, Q1/9 |
| [[ TD 552-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0552)  (Rev.1) | 2014-09-11 | Rapporteur Q1/9, Rapporteur Q7/9 | LS/o on AAP Consent of draft new Recommendation ITU-T J.Cable3DTV-req "Requirements for Stereoscopic Three Dimensional Television Service over Hybrid Fiber and Coaxial based network" | Q7/9, Q1/9 |
| [[ TD 551-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0551)  (Rev.1) | 2014-09-11 | Rapporteur Q1/9, Rapporteur Q7/9 | LS/o on AAP Consent of draft new Recommendation ITU-T J.195.2 and J.195.3 | Q7/9, Q1/9 |
| [[ TD 550-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0550)  (Rev.1-2) | 2014-09-11 | Rapporteur Q1/9, Rapporteur Q7/9 | LS/o/r on leakage of radio frequency energy from J.HiNoC systems and coexistence of wired telecommunications with radiocommunication systems - Considerations with respect to work on Recommendation ITU-T J.195.1 (J.HINOC-REQ) (reply to ITU-R WP 5B - 5B/TEMP/295 & ITU-R WP 1A - LS 19)[to ITU-R Working Parties 1A and 5B] | Q7/9, Q1/9 |
| [[ TD 549-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0549) | 2014-09-11 | Rapporteur Q5/9, Rapporteur Q9/9 | LS/o/r on new versions of the Access Network Transport (ANT) standardization overview and work plan (reply to SG15 LS122) [to ITU-T SG15] | Q9/9, Q5/9 |
| [[ TD 548-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0548) | 2014-09-11 | Rapporteur Q5/9, Rapporteur Q9/9 | LS/o/r on version 1 of the Home Network Transport (HNT) standardization overview and work plan (reply to SG15 LS123) [to ITU-T SG15] | Q9/9, Q5/9 |
| [[ TD 547-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0547) | 2014-09-10 | Rapporteur Q12/9 | Output - Draft revised Recommendation ITU-T P.911 "Subjective Audiovisual quality assessment methods for multimedia application" | Q12/9 |
| [[ TD 546-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0546)  (Rev.1-2) | 2014-09-10 | Rapporteur Q12/9 | Consent - Draft new Recommendation ITU-T J.343.6 "Hybrid-FR objective perceptual video quality measurement for HDTV and multimedia IP-based video services in the presence of a full reference signal and non-encrypted bitstream data" | Q12/9 |
| [[ TD 545-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0545)  (Rev.1-2) | 2014-09-10 | Rapporteur Q12/9 | Consent - Draft new Recommendation ITU-T J.343.5 "Hybrid-FRe objective perceptual video quality measurement for HDTV and multimedia IP-based video services in the presence of a full reference signal and encrypted bitstream data" | Q12/9 |
| [[ TD 544-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0544)  (Rev.1-2) | 2014-09-10 | Rapporteur Q12/9 | Consent - Draft new Recommendation ITU-T J.343.4, "Hybrid-RR objective perceptual video quality measurement for HDTV and multimedia IP-based video services in the presence of a reduced reference signal and non-encrypted bitstream data" | Q12/9 |
| [[ TD 543-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0543)  (Rev.1-2) | 2014-09-10 | Rapporteur Q12/9 | Consent - Draft new Recommendation ITU-T J.343.3 "Hybrid-RRe objective perceptual video quality measurement for HDTV and multimedia IP-based video services in the presence of a reduced reference signal and encrypted bitstream data" | Q12/9 |
| [[ TD 542-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0542)  (Rev.1-2) | 2014-09-10 | Rapporteur Q12/9 | Consent - Draft new Recommendation ITU-T J.343.2 "Hybrid-NR objective perceptual video quality measurement for HDTV and multimedia IP-based video services in the presence of non-encrypted bitstream data" | Q12/9 |
| [[ TD 541-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0541)  (Rev.1-2) | 2014-09-10 | Rapporteur Q12/9 | Consent - Draft new Recommendation ITU-T J.343.1 "Hybrid-NRe objective perceptual video quality measurement for HDTV and multimedia IP-based video services in the presence of encrypted bitstream data" | Q12/9 |
| [[ TD 540-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0540) | 2014-09-11 | Rapporteur Q5/9, Rapporteur Q9/9 | LS/o/r on Overview and Work Plan on Smart Grids - request for feedback (reply to SG15 LS146) [to ITU-T SG15] | Q9/9, Q5/9 |
| [[ TD 539-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0539)  (Rev.1) | 2014-09-10 | Rapporteur Q3/9 | LS/o on AAP Consent of draft new Recommendation ITU-T J.1003 (ex J.rcas-net) "Specifications of network protocol for renewable conditional access system" [to ITU-T SG17, ETSI ISG ECI, ARIB] | Q3/9 |
| [[ TD 538-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0538) | 2014-09-10 | Editor of J.rcas-saf.req | Output - Draft new Recommendation J.rcas-saf.req "Requirements for Smart Agricultural Framework over RCAS in CATV network" | Q3/9 |
| [[ TD 537-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0537) | 2014-09-10 | Editor of J.rcas-ac | Output - Draft new Recommendation J.rcas-ac "Interface specifications between authorization centre (AC) and conditional access module authentication sub-system (CASS)" | Q3/9 |
| [[ TD 536-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0536) | 2014-09-10 | Editor of J.drm-req | Output - Draft new Recommendation J.drm-req "Architecture and requirements of DRM for cable television multiscreen" | Q3/9 |
| [[ TD 535-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0535) | 2014-09-10 | Editor of J.rcas-net | Consent - Draft new Recommendation ITU-T J.1003 (J.rcas-net) "Specifications of network protocol for renewable conditional access system" | Q3/9 |
| [[ TD 534-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0534)  (Rev.1-2) | 2014-09-10 | Rapporteur Q12/9 | LS/o on SG9 quality related activities [to ITU-T SGs 12 & 16, ITU-R WP6C and VQEG] | Q12/9 |
| [[ TD 533-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0533)  (Rev.1) | 2014-09-10 | Rapporteur Q12/9 | LS/o on J.bitvqm [to ITU-T SGs 12 & 16, ITU-R WP6C and VQEG] | Q12/9 |
| [[ TD 532-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0532) | 2014-09-10 | Editor J.op\_tr | Output - Draft New Recommendation J.op\_tr "Methods for Optimizing Bitrates and Transmission Resolution by Considering Display Characteristics and Available Bandwidth" | Q12/9 |
| [[ TD 531-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0531) | 2014-09-10 | Chairmen SG9 and SG12 | Report of joint SG9 and SG12 plenary session (9 September 2014, 0900 -1030 hours) | QALL/9, QALL/12 |
| [[ TD 530-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0530) | 2014-09-10 | Associate Rapporteur Q2/9 | LS/o on 3D Recommendations [to VQEG] | Q2/9, Q12/9 |
| [[ TD 529-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0529)  (Rev.1) | 2014-09-10 | Associate Rapporteur of Q2/9 | LS/o on HEVC Objective Video Quality Metrics [to ITU-T SGs 12 &16, ITU-R WP6C and VQEG] | Q2/9 |
| [[ TD 528-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0528)  (Rev.1) | 2014-09-10 | Editor | Output - Draft revised Recommendation P.912 "Subjective video quality assessment methods for recognition tasks" | Q12/9 |
| [[ TD 527-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0527)  (Rev.1-3) | 2014-09-10 | Editor of J.bitvqm | Consent - Draft New Recommendation ITU-T J.343 (J.bitvqm) "Hybrid perceptual/bitstream models for objective video quality measurements" | Q12/9 |
| [[ TD 526-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0526)  (Rev.1) | 2014-09-10 | Rapporteur Q9/9 | Output - Draft proposal for modifying the Question texts of Q9/9 | Q9/9 |
| [[ TD 525-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0525) | 2014-09-10 | Editor J.lasdp-req | Output: Draft new Rec. ITU-T J.lasdp-req (8-12 September 2014, Geneva) | Q9/9 |
| [[ TD 524-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0524)  (Rev.1) | 2014-09-09 | Chairman SG9 | Proposal for Resolution 80 implementation details | Q13/9 |
| [[ TD 523-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0523)  (Rev.1-2) | 2014-09-08 | Associate Rapporteur of Q2/9 | LS/o on UHD Service Quality Issues and Measurement Tools [to VQEG] | Q2/9 |
| [[ TD 522-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0522)  (Rev.1) | 2014-09-08 | Rapporteur Q9/9 | Draft agenda of Question 9/9 "Requirements for advanced service capabilities for broadband cable home networks" | Q9/9 |
| [[ TD 521-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0521)  (Rev.1) | 2014-09-08 | Rapporteur Q1/9 | Draft agenda of Question 1/9 "Transmission of television and sound programme signal for contribution, primary distribution and secondary distribution" | Q1/9 |
| [[ TD 520-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0520) | 2014-09-07 | Rapporteur Q10/9 | Draft agenda of Question 10/9 "Requirements, methods, and interfaces of the advanced service platforms to enhance the delivery of sound, television, and other multimedia interactive services over cable television network" | Q10/9 |
| [[ TD 519-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0519)  (Rev.1) | 2014-09-07 | Rapporteur Q13/9 | Draft agenda of Question 13/9 "Work programme, coordination and planning" | Q13/9 |
| [[ TD 518-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0518) | 2014-09-07 | Rapporteur Q6/9 | Draft agenda of Question 6/9 "Digital programme delivery controls for multiplexing, switching and insertion in compressed bit streams" | Q6/9 |
| [[ TD 517-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0517)  (Rev.1) | 2014-09-07 | Chairmen of WP1/9 and WP2/9 | Draft agenda of WP1/9 Plenary and WP2/9 Plenary | QALL/9 |
| [[ TD 516-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0516)  (Rev.1-2) | 2014-09-07 | Rapporteur 7/9 | Draft agenda of Q7/9 "Cable television delivery of digital services and applications that use Internet protocol (IP) and/or packet-based data" | Q7/9 |
| [[ TD 515-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0515) | 2014-09-07 | Associate Rapporteur Q2/9 | Draft agenda of Joint Question 2/9 and 12/9 | Q2/9, Q12/9 |
| [[ TD 514-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0514) | 2014-09-07 | Associate Rapporteur Q2/9 | Draft agenda of Question 2/9 "Measurement and control of the end-to-end quality of service (QoS) for advanced television technologies, from image acquisition to rendering, in contribution, primary distribution and secondary distribution networks" | Q2/9 |
| [[ TD 513-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0513) | 2014-09-07 | Rapporteur Q12/9 | Draft agenda of Question 12/9 "Objective and subjective methods for evaluating perceptual audiovisual quality in multimedia services within the terms of Study Group 9" | Q12/9 |
| [[ TD 512-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0512) | 2014-09-07 | Acting Rapporteur Q8/9 | Draft agenda of Question 8/9 "The IP enabled multimedia applications and services for cable television networks enabled by converged platforms" | Q8/9 |
| [[ TD 511-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0511)  (Rev.1) | 2014-09-07 | Rapporteurs Q5, 8 and 9/9 | Draft agenda Joint Questions 5,8 and 9/9 | Q9/9, Q8/9, Q5/9 |
| [[ TD 510-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0510) | 2014-09-05 | TSB | TSAG results from June 2014 meeting | QALL/9 |
| [[ TD 509-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0509) | 2014-09-05 | Editors P.3D-sam | Draft New Recommendation J.3D-sam: "Subjective assessment methods for 3D video quality" (new baseline document after December 2013 SG9 meeting) | Q12/9 |
| [[ TD 508-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0508) | 2014-09-05 | Chairmen SG9 and SG12 | Draft agenda and information for joint SG9 and SG12 plenary session (9 September 2014, 0900 -1030 hours) | QALL/9, QALL/12 |
| [[ TD 507-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0507) | 2014-09-05 | Rapporteur Q3/9 | Draft agenda of Question 3/9 "Methods and practices for conditional access, protection against unauthorized copying and against unauthorized redistribution ("redistribution control" for digital cable television distribution to the home)" | Q3/9 |
| [[ TD 506-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0506) | 2014-09-05 | Rapporteur Q4/9 | Draft agenda of Question 4/9 "Software components application programming interfaces (APIs), frameworks and overall software architecture for advanced content distribution services within the scope of Study Group 9" | Q4/9 |
| [[ TD 505-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0505) | 2014-09-04 | Rapporteur Q5/9 | Draft agenda Question 5/9 "Functional requirements for residential gateway and set-top box for the reception of advanced content distribution services" | Q5/9 |
| [[ TD 504-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0504) | 2014-08-28 | IRG-AVA Co-chairs | Report of the IRG-AVA meeting (Sapporo, Japan, 2 July 2014) | QALL/9 |
| [[ TD 503-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0503) | 2014-08-25 | ITU-R WP 6C | LS/i on approval of a revision of Recommendation ITU R BS.1534-1 "Method for the subjective assessment of intermediate quality levels of audio systems" [from ITU-R WP 6C] | Q2/9, Q12/9 |
| [[ TD 502-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0502) | 2014-08-25 | VQEG | LS/i on VQEG Hybrid Validation Test Final Report [from VQEG] | Q2/9, Q12/9 |
| [[ TD 501-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0501) | 2014-08-25 | VQEG | LS/i/r on feedback on P.3D-disp-req, J.3D-fatigue and P.3D-sam (reply to COM9 LS47) [from VQEG] | Q2/9, Q12/9 |
| [[ TD 500-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0500) | 2014-08-25 | Rapporteur Q5/9 | Request for contribution documents for progressive study of Draft New Recommendation J.rg-spec "Specification for Residential Gateway" | Q5/9 |
| [[ TD 499-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0499) | 2014-08-25 | Rapporteur Q4/9 | Report of Question 4/9 e-meeting (18 - 20 August 2014) | Q4/9 |
| [[ TD 498-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0498) | 2014-08-25 | Rapporteur Q4/9 | Output -- Draft New Recommendation J.acf-spec " Specification for Integrated Broadcast and Broadband DTV application control framework" for progressing | Q4/9 |
| [[ TD 497-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0497) | 2014-08-25 | Rapporteur Q4/9 | Output - Editorial correction of J.201 rev "Harmonization of declarative content format for interactive television applications" | Q4/9 |
| [[ TD 496-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0496) | 2014-08-25 | Rapporteur Q4/9 | Output - Draft New Recommendation J.cab-mob-req " Requirements for platform functionalities on the integration of cable STB and mobile second screen device" | Q4/9 |
| [[ TD 495-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0495) | 2014-08-25 | Rapporteurs Q2/9 & Q12/9 and, Associate Rapporteur Q2/9 & Q12/9 | Joint Report of Question 2/9 and Question 12/9 meeting (Stockholm, 11 July 2014) | Q2/9, Q12/9 |
| [[ TD 494-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0494) | 2014-08-25 | IRG-AVQA Co-chairs | Report of the IRG-AVQA meeting, 7-11 July 2014, Stockholm (Sweden) | QALL/9 |
| [[ TD 493-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0493) | 2014-08-07 | ITU-T Working Party 2/5 | LS/i/r on Current status on draft Recommendation ITU-T K.mhn and issues related to coexistence of wired telecommunications and radio communication (reply to SG9-LS56) [from ITU-T WP2/5] | Q13/9 |
| [[ TD 492-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0492) | 2014-08-07 | ITU-T WP2/5 | LS/i/r on Recommendation ITU-T K.60 - Coexistence of wired and wireless communication systems (reply to SG9-LS 56, 66, 67; ITU-R WP1A-1A/TEMP/64, 71 and LS19, ITU-R WP5B-5B/TEMP/295, ITU-R WP6A-6A/TEMP/179) [from ITU-T WP2/5] | Q13/9 |
| [[ TD 491-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0491) | 2014-07-24 | ITU-T SG11 | LS/i on updated living list of key technologies, reference table of ITU-T Recommendations which are suitable for C&I and relevant pilot projects [from ITU T SG11] | Q13/9 |
| [[ TD 490-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0490) | 2014-07-24 | Rapporteurs Q1/9 and Q7/9 | Report of Question 1/9 and 7/9 joint Rapporteur meeting (Beijing, 23 July 2014) | Q7/9, Q1/9 |
| [[ TD 489-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0489) | 2014-07-24 | Editor | Consent - Draft new Recommendation J.HiNoC "MAC layer specification of high performance network over coax" | Q7/9, Q1/9 |
| [[ TD 488-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0488) | 2014-07-24 | Editor | Consent - Draft new Recommendation J.HiNoC "PHY layer specification of high performance network over coax" | Q7/9, Q1/9 |
| [[ TD 487-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0487) | 2014-07-22 | ITU-T SG11 | LS/i/r on request to all SGs to follow up on the Council 2013 C&I Action Items for implementation by ITU-T SGs (reply to COM9 - LS 68) [from ITU-T SG11] | Q13/9 |
| [[ TD 486-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0486) | 2014-07-22 | ITU-T SG11 | LS/i on FG M2M output and the progress of SG11 on M2M [from ITU-T SG11] | Q9/9, Q8/9, Q5/9 |
| [[ TD 485-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0485) | 2014-07-18 | ITU-T SG16 | LS/i on draft ITU-T F.ACC-Term [from ITU-T SG16] | QALL/9 |
| [[ TD 484-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0484) | 2014-06-30 | SCV | LS/i on ITU-T study group responsibilities in WTSA Resolution 67 (Rev. Dubai, 2012) [from ITU-T SCV] | QALL/9 |
| [[ TD 483-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0483) | 2014-06-30 | SCV | LS/i on broadcasting terms and definitions being considered by CCV from [from ITU-T SCV] | QALL/9, Q4/9 |
| [[ TD 482-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0482) | 2014-06-27 | ITU-R WP1A | LS/i/r on leakage of radio frequency energy from J.HiNoC systems (reply to COM 9 - LS 33 & LS 56) [from ITU-R WP1A] | Q7/9, Q13/9, Q1/9 |
| [[ TD 481-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0481) | 2014-06-27 | FG-SSC | LS/i on Activities of the Focus Group on Smart Sustainable Cities [from FG-SSC] | QALL/9 |
| [[ TD 480-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0480) | 2014-06-24 | TSAG | LS/i on seeking input regarding Recommendations ITU-T A.4, A.5 and A.6 [from TSAG] | QALL/9 |
| [[ TD 479-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0479) | 2014-06-24 | TSB | Kaleidoscope 2014 paper with respect to relevance in ITU-T Study Group 9 work | QALL/9 |
| [[ TD 478-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0478) | 2014-06-23 | TSB | Outcome of TSAG workshop on big data in the telecommunications sector | QALL/9, Q8/9 |
| [[ TD 477-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0477) | 2014-06-23 | TSB | Preliminary analysis for qualification of CableLabs according to ITU-T A.5 | QALL/9 |
| [[ TD 476-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0476) | 2014-06-23 | ITU-T SG2 | LS/i on Telecommunication Management and OAM Project Plan [from ITU-T SG2] | Q13/9 |
| [[ TD 475-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0475) | 2014-06-03 | ITU-R WP5B | LS/i on coexistence of wired telecommunications with radiocommunication systems [from ITU-R WP5B] | Q7/9, Q13/9, Q1/9 |
| [[ TD 474-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0474) | 2014-06-03 | IRG-AVA Co-chairs | Draft report of first IRG-AVA meeting (Geneva, 25 February 2014) | QALL/9 |
| [[ TD 473-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0473) | 2014-06-03 | ITU-R SG6 | LS/i/r on support for the establishment of the intersector rapporteur group on integrated broadcast broadband systems (reply to COM9 LS41) [from ITU-R SG6] | Q4/9 |
| [[ TD 472-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0472) | 2014-05-29 | Rapporteur Q13/9 | Report of Question 13/9 rapporteur meeting (Geneva, 26 - 28 May 2014) | Q13/9 |
| [[ TD 471-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0471) | 2014-05-29 | Rapporteur Q13/9 | LS/o/r to SG11 on request to all SGs to follow up on the Council 2013 C&I Action Items for implementation by ITU-T SGs (reply to COM11-LS44r1) [to ITU-T SG11] | Q13/9 |
| [[ TD 470-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0470) | 2014-05-29 | Rapporteur Q13/9 | LS/o/r on coexistence of wired telecommunications with radiocommunication systems (reply to COM5-LS45) [to ITU-T SG5] | Q13/9 |
| [[ TD 469-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0469) | 2014-05-29 | Rapporteur Q13/9 | LS/o on additional information on regional regulations related to coexistence of wired telecommunications with radiocommunication systems [to SG5 and ITU-R WPs 1A, 5A, 5B and 5C] | Q13/9 |
| [[ TD 468-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0468) | 2014-05-29 | Rapporteur Q10/9 | Report of Question 10/9 Rapporteur meeting (Geneva, 26-28 May 2014) | Q10/9 |
| [[ TD 467-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0467) | 2014-05-29 | ITU-T SG9 | LS/o on progress of J.arstv-req and initiation of new work item J.arstv-spec: "System Specifications of Augmented Reality Smart Television Service" | Q10/9 |
| [[ TD 466-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0466) | 2014-05-29 | Rapporteur Q10/9 | Output - Draft recommendation ITU-T J.arstv-req "Requirements of Augmented Reality Smart Television System" | Q10/9 |
| [[ TD 465-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0465) | 2014-05-29 | Rapporteur Q3/9 | Report of Question 3/9 meeting (Geneva, 26 - 28 May 2014) | Q3/9 |
| [[ TD 464-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0464) | 2014-05-29 | Rapporteur Q3/9 | Output- draft new Recommendation J.drm-req "Architecture and requirements of DRM for cable television multiscreen" (Geneva, 26 - 28 May. 2014) | Q3/9 |
| [[ TD 463-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0463) | 2014-05-29 | Rapporteur Q3/9 | Output - Draft new Recommendation J.rcas-net "Specifications of network protocol for renewable conditional access system" (Geneva, 26-28 May 2014) | Q3/9 |
| [[ TD 462-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0462) | 2014-06-17 | ETSI TC Cable | LS/i/r on Consent of J.382 and Current Work of TC CABLE (reply to SG9 LS 36) [from ETSI TC Cable] | Q7/9, Q13/9, Q1/9 |
| [[ TD 461-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0461) | 2014-05-29 | Rapporteur Q1/9 and Q7/9 | Report of Question 1/9 and 7/9 joint Rapporteur meeting (Geneva, 26-28 May, 2014) | Q7/9, Q1/9 |
| [[ TD 460-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0460) | 2014-05-29 | Rapporteur Q7/9 | Output - Draft new Recommendation ITU-T J.Cable3DTV-req "Requirement for Stereoscopic Three Dimensional Television Service over Hybrid Fiber and Coaxial based networks" | Q7/9, Q1/9 |
| [[ TD 459-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0459) | 2014-05-29 | Editor | Output - Draft new Recommendation J.HiNoC "MAC layer specification of high performance network over coax" | Q7/9, Q1/9 |
| [[ TD 458-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0458) | 2014-05-29 | Editor | Output - Draft new Recommendation J.HiNoC "PHY layer specification of high performance network over coax" | Q7/9, Q1/9 |
| [[ TD 457-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0457) | 2014-05-29 | Rapporteur Q6/9 | Report of Question 6/9 Rapporteur meeting (Geneva, 26 - 28 May 2014) | Q6/9 |
| [[ TD 456-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0456) | 2014-05-29 | Rapporteur Q6/9 | Approval - Draft revised Appendix I of Recommendation J.181 | Q6/9 |
| [[ TD 455-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0455) | 2014-05-27 | ITU-T SG9 | LS/o/r on providing necessary input on activity levels in Questions (reply to TSAG-LS 3) [to TSAG] | Q13/9 |
| [[ TD 454-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0454)  (Rev.1) | 2014-05-29 | JCA-AHF | LS/i on Assistive Listening Devices (ALD) and the allocation of Mobile Phone Services in the 2.3-2.4 GHz band [from JCA-AHF] | QALL/9 |
| [[ TD 453-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0453) | 2014-05-15 | ITU R WP6B | LS/i on ongoing work at ITU-R Working Party 6B on Integrated Broadcast-Broadband system [from ITU R WP6B] | Q4/9 |
| [[ TD 452-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0452) | 2014-05-15 | TSB | Recommendation ITU-R F.1105-3, Fixed wireless systems for disaster mitigation and relief operations | QALL/9 |
| [[ TD 451-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0451) | 2014-04-25 | ITU-R WP6C | LS/i/r on draft new Recommendation ITU-T P.913 (ex P.av-dist) (reply to COM9-LS50) [from ITU-R WP6C] | Q12/9 |
| [[ TD 450-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0450) | 2014-04-25 | ITU-R WP6B | LS/i/r on comment on draft new Recommendation ITU-T J.604 (ex J.svc) (reply to COM 9-LS37) [from ITU-R WP6B] | Q1/9 |
| [[ TD 449-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0449) | 2014-04-25 | ITU-R WP6B | LS/i on proposed modifications of the two definitions in recommendation ITU-T J.205 [from ITU-R WP6B] | Q4/9 |
| [[ TD 448-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0448) | 2014-05-15 | ITU-T SG15 | LS/i on new versions of the Access Network Transport (ANT) standardization overview and work plan [from ITU-T SG15] | QALL/9 |
| [[ TD 447-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0447) | 2014-05-15 | ITU-T SG15 | LS/i on version 1 of the Home Network Transport (HNT) standardization overview and work plan [from ITU-T SG15] | Q9/9, Q5/9 |
| [[ TD 446-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0446) | 2014-05-15 | ITU-T SG15 | LS/i on Overview and Work Plan on Smart Grids - request for feedback [from ITU-T SG15] | QALL/9, Q9/9, Q5/9 |
| [[ TD 445-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0445)  (Rev.1) | 2014-04-11 | WP2/9 Chairman | Report of WP 2/9 "Cable-related terminals and applications" | Q9/9, Q8/9, Q7/9, Q5/9, Q4/9, Q10/9 |
| [[ TD 444-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0444) | 2014-04-11 | WP1/9 Chairman | Report of WP 1/9 "Video transport and quality" | Q6/9, Q3/9, Q2/9, Q12/9, Q11/9, Q1/9 |
| [[ TD 443-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0443) | 2014-04-11 | Rapporteur Q13/9 | Report of Question 13/9 meeting "Work programme, coordination and planning" | Q13/9 |
| [[ TD 442-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0442)  (Rev.1-2) | 2014-04-11 | Rapporteur Q12/9 | Report of Question 12/9 meeting "Objective and subjective methods for evaluating perceptual audiovisual quality in multimedia services within the terms of Study Group 9" | Q12/9 |
| [[ TD 441-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0441) | 2014-04-11 | N/A | Withdrawn | N/A |
| [[ TD 440-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0440)  (Rev.1) | 2014-04-11 | Rappporteur Q10/9 | Report of Question 10/9 meeting "Requirements, methods, and interfaces of the advanced service platforms to enhance the delivery of sound, television, and other multimedia interactive services over cable television network" | Q10/9 |
| [[ TD 439-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0439)  (Rev.1) | 2014-04-11 | Rapporteur Q9/9 | Report of Question 9/9 meeting "Requirements for advanced service capabilities for broadband cable home networks" | Q9/9 |
| [[ TD 438-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0438) | 2014-04-11 | N/A | Withdrawn | N/A |
| [[ TD 437-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0437)  (Rev.1) | 2014-04-11 | Rapporteur Q7/9 | Report of Question 7/9 meeting "Cable television delivery of digital services and applications that use Internet protocol (IP) and/or packet-based data" | Q7/9 |
| [[ TD 436-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0436) | 2014-04-11 | Rapporteur Q6/9 | Report of Question 6/9 meeting "Digital programme delivery controls for multiplexing, switching and insertion in compressed bit streams" | Q6/9 |
| [[ TD 435-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0435) | 2014-04-11 | Rapporteur Q5/9 | Report of Question 5/9 meeting "Functional requirements for residential gateway and set-top box for the reception of advanced content distribution services" | Q5/9 |
| [[ TD 434-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0434) | 2014-04-11 | Rapporteur Q4/9 | Report of Question 4/9 meeting "Software components application programming interfaces (APIs), frameworks and overall software architecture for advanced content distribution services within the scope of Study Group 9" | Q4/9 |
| [[ TD 433-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0433) | 2014-04-11 | Rapporteur Q3/9 | Report of Question 3/9 meeting "Methods and practices for conditional access, protection against unauthorized copying and against unauthorized redistribution ("redistribution control" for digital cable television distribution to the home)" | Q3/9 |
| [[ TD 432-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0432)  (Rev.1) | 2014-04-11 | Associate Rapporteur Q2/9 | Report of Question 2/9 and Joint Report of Q2/9 & Q12/9 meeting, Geneva, 8-12 September 2014 | Q2/9, Q12/9 |
| [[ TD 431-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0431)  (Rev.1) | 2014-04-11 | Rapporteur Q1/9 | Report of Question 1/9 meeting "Transmission of television and sound programme signal for contribution, primary distribution and secondary distribution" | Q1/19 |
| [[ TD 430-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0430) | 2014-04-25 | ITU-R WP6B | LS/i/r on development of recommendation on integrated broadband system (COM9-LS63) [from ITU-R WP6B] | Q4/9 |
| [[ TD 429-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0429) | 2014-05-15 | DVB CM-SEG | LS/i/r on DRM (reply to COM9 LS38) [from DVB CM-SEG] | Q3/9 |
| [[ TD 428-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0428) | 2014-04-15 | ITU-R WP6C | LS/i/r on intersector rapporteur's group (IRG) on the topic of audiovisual quality assessment (IRG-AVQA) (reply to SG9 LSs51, 53 & 54) [from ITU-R WP6C] | Q2/9, Q12/9 |
| [[ TD 427-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0427) | 2014-04-15 | ITU-R WP 6C | LS/i/r on draft new Recommendation ITU-T J.Cable3DTV-req (reply to SG9-LS44) [from ITU-R WP6C] | Q7/9, Q1/9 |
| [[ TD 426-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0426) | 2014-04-10 | JCA-IoT | LS/i on IoT-Roadmap, IoT-work program, contacts and invitation to participate in IoT-GSI events [from JCA-IoT] | QALL/9, Q9/9, Q8/9, Q5/9 |
| [[ TD 425-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0425) | 2014-04-07 | ITU-T WP1/13 | LS/i regarding ongoing ITU-T Q2/13 work on Information Control Networks and related applications [from ITU-T WP 1/13] | QALL/9 |
| [[ TD 424-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0424) | 2014-03-20 | Rapporteur Q4/9 | LS/o on development of Recommendation on Integrated Broadcast-Broadband system [to ITU-R Working Party 6B] | Q4/9 |
| [[ TD 423-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0423) | 2014-03-20 | Rapporteur Q4/9 | Output - Draft new Recommendation ITU-T J.acf-spec "Specification for Integrated Broadcast and Broadband DTV application control framework" | Q4/9 |
| [[ TD 422-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0422) | 2014-03-20 | Rapporteur Q4/9 | Report of Question 4/9 meeting (e-meeting, 17 - 18 March, 2014) "Software components application programming interfaces (APIs), frameworks and overall software architecture for advanced content distribution services within the scope of Study Group 9" | Q4/9 |
| [[ TD 421-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0421)  (Rev.1) | 2014-03-20 | ITU-T SG11 | LS/i on request to all SGs to follow up on the Council 2013 C&I Action Items for implementation by ITU-T SGs [from ITU-T SG11] | QALL/11 |
| [[ TD 420-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0420) | 2014-03-18 | Editors P.3D-disp-req | Output - Draft New Recommendation P.3D-disp-req "Display requirements for 3D video quality assessment" | Q2/9 |
| [[ TD 419-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0419) | 2014-03-20 | IRG-AVQA Co-chairs | Report of the IRG-AVQA meeting, 21-24 January 2014, Boulder (USA) | QALL/9 |
| [[ TD 418-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0418) | 2014-03-20 | ITU-T SG11 | LS/i on "Technical Report on Counterfeit Equipment" [from ITU-T SG11] | QALL/9 |
| [[ TD 417-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0417) | 2014-03-20 | ITU-T SG16 | LS/i/r on recent progress on draft new Recommendation ITU-T J.acf-spec "Specification for Integrated Broadcast and Broadband DTV application control framework" (COM9 - LS 42) [from ITU-T SG16] | Q4/9 |
| [[ TD 416-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0416)  (Rev.1) | 2014-02-10 | FG Innovation | LS/i on New Standardization Activities for ITU-T study groups and ICT Innovation Panel [from FG Innovation] | QALL/9 |
| [[ TD 415-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0415) | 2014-02-06 | ITU-T SG17 | LS/i/r on DRM (COM9 LS38) [from ITU-T SG17] | Q3/9 |
| [[ TD 414-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0414) | 2014-02-04 | TSB | Guidelines on establishment of a National Standardization Secretariat | QALL/9 |
| [[ TD 413-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0413) | 2014-02-03 | TSB | E-Learning course on Recommendation ITU-T A.1 | QALL/9 |
| [[ TD 412-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0412) | 2014-01-31 | JCA-SDN | LS/i on SDN standardization activity map [from JCA-SDN] | QALL/9 |
| [[ TD 411-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0411)  (Rev.1) | 2014-01-31 | ITU-T Study Group 5 | LS/i/r on coexistence of wired telecommunications with radiocommunication systems [from ITU-T SG5] | Q9/9, Q1/9 |
| [[ TD 410-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0410)  (Rev.1) | 2014-01-30 | SG9 Chairman | Draft Recommendations to be presented for "Consent" using AAP (Rec. A.8) procedure at SG9 meeting Geneva, 8-12 September 2014 | QALL/9 |
| [[ TD 409-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0409)  (Rev.1-4) | 2014-01-30 | TSB | List of SG9 Rapporteurs | QALL/9 |
| [[ TD 408-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0408)  (Rev.1-2) | 2014-01-30 | TSB | List of SG9 Liaison Officers | QALL/9 |
| [[ TD 407-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0407)  (Rev.1-3) | 2014-01-30 | TSB | Interim meetings plan | QALL/9 |
| [[ TD 406-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0406)  (Rev.1) | 2014-01-30 | TSB | List of outgoing Liaison Statements | QALL/9 |
| [[ TD 405-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0405)  (Rev.1) | 2014-01-30 | TSB | List of participants | QALL/9 |
| [[ TD 404-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0404) | 2014-01-30 | TSB | Orientation session for newcomers (PPT presentations) | QALL/9 |
| [[ TD 403-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0403) | 2014-01-30 | TSB | Newcomer welcome pack | QALL/9 |
| [[ TD 402-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0402) | 2014-01-30 | TSB | Summary results of action taken at and since SG9 meeting (3-11 December 2013) | QALL/9 |
| [[ TD 401-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0401) | 2014-01-30 | TSB | SG9 meeting facilities and useful information | QALL/9 |
| [[ TD 400-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0400)  (Rev.1-2) | 2014-01-30 | TSB | List of documents and proposed allocation | QALL/9 |
| [[ TD 399-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0399) | 2014-01-30 | TSB | List of incoming liaison statements | QALL/9 |
| [[ TD 398-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0398)  (Rev.1-6) | 2014-01-30 | TSB | Draft meeting plan, SG9: Geneva, 8-12 September 2014 | QALL/9 |
| [[ TD 397-GEN ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0397)  (Rev.1-3) | 2014-01-30 | TSB | Draft agenda, SG9 Plenary meetings, Geneva, 8-12 September 2014 | QALL/9 |

## ANNEX 2 Final agenda for the Plenary sessions of Study Group 9 (Geneva, 8-12 September 2014)

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| --- | --- | --- |
| **#** | **Agenda items** | **Document number and title** |
|  | Opening of the meeting | [TD 397 Rev.1](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0397/en) – Draft agenda  COM9-[R2](http://www.itu.int/md/T13-SG09-R-0002/en) – SG9 meeting report  [TD 400 Rev.1](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0400/en) – List of documents and allocation  [TD 399](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0399/en) – List of iLS  [TD 398 Rev.3](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0398/en) – Meeting plan  [TD 401](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0401/en) – Meeting facilities and useful info  [TD 403](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0403/en) – Newcomer welcome pack  [TD 404](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0404/en) – Newcomer PPT presentations (not yet posted) |
|  | Feedback on interim activities since last meeting  **23 January 2014, Boulder CO USA**  - IRG-AVQA  **25 February 2014, Geneva**  - IRG-AVA  **17-18 March 2014, E-meeting**  - Q4/9  **26-28 May, 2014, Geneva**  - Q3/9  - Q6/9  - Q10/9  - Q13/9  - Joint Q1/9 &Q7/9  **2 July 2014, Sapporo, Japan**  - IRG-AVA  **7-11 July 2014**  - Joint Q2/9 & Q12/9  **11 July 2014, Stockholm, Sweden**  - IRG-AVQA  **23 July 2014**  - Joint Q1/9 & Q7/9  **18-20 August 2014, E-meeting**  - Q4/9 | [TD 402](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0402/en) – Summary results since May 2013  [TD 419](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0419/en)  [TD 474](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0474/en)  [TD 422](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0422/en)  [TD 465](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0465)  [TD 457](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0457)  [TD 468](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0468)  [TD 472](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0472)  [TD 461](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0461)  [TD 504](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0504/en)  [TD 495](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0495/en)  [TD 49](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0494/en)4  [TD 490](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0490/en)  [TD 499](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0499/en) |
|  | TSAG (June 2014) results relevant to SG9 | [TD 510](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0510/en) - TSAG results from June 2014 meeting  [TD 480](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0480/en) - LS/i on seeking input regarding Recommendations ITU-T A.4, A.5 and A.6  [TD 478](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0478/en) - Outcome of TSAG workshop on big data in the telecommunications sector |
|  | Rapporteurs, Associates and other roles | Approval of WP1 and WP2 Vice Chairs  [TD 409 Rev.1](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0409/en) (List of SG9 Rapporteurs)  [TD 408 Rev.1](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0408/en) (List of SG9 Liaison Officers) |
|  | Contributions for opening Plenary | [C-60 Rev.1](http://www.itu.int/md/T13-SG09-C-0060/en) - Proposal for modifying the Question texts of Q9/9 |
|  | Other documents for the opening Plenary, including report from other Groups/Workshops  - JCA-SDN  - SG11  - SG13  - BR  - JCA-AHF  - ITU-R SG6  - FG SSC  - SCV  - SG16 | [TD 412](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0412/en) - LS/i on SDN standardization activity map [from JCA-SDN]  [TD 418](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0418/en) - LS/i on "Technical Report on Counterfeit Equipment" [from ITU-T SG11]  [TD 425](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0425/en) - LS/i regarding ongoing ITU-T Q2/13 work on Information Control Networks and related applications [from ITU-T WP 1/13]  [TD 452](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0452) - Recommendation ITU-R F.1105-3, Fixed wireless systems for disaster mitigation and relief operations  [TD 454 Rev.1](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0454/en) - LS/i on Assistive Listening Devices (ALD) and the allocation of Mobile Phone Services in the 2.3-2.4 GHz band [from JCA-AHF]  [TD 473](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0473/en) - LS/i/r on support for the establishment of the intersector rapporteur group on integrated broadcast broadband systems (reply to COM9 LS41) [from ITU-R SG6]  [TD 481](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0481/en) - LS/i on Activities of the Focus Group on Smart Sustainable Cities [from FG-SSC]  [TD 484](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0484/en) - LS/i on ITU-T study group responsibilities in WTSA Resolution 67 (Rev. Dubai, 2012) [from ITU-T SCV]  [TD 485](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0485/en) - LS/i on draft ITU-T F.ACC-Term [from ITU-T SG16] |
|  | AOB for opening Plenary | [TD 413](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0413/en) - E-Learning course on Recommendation ITU-T A.1  [TD 414](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0414/en) - Guidelines on establishment of a National Standardization Secretariat  [TD 477](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0477/en) – Preliminary analysis for qualification of CableLabs according to ITU-T A.5  [TD 479](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0479/en) - Kaleidoscope 2014 paper with respect to relevance in ITU-T Study Group 9 work  SG9 guidelines:   * [Guidelines for collaboration with ITU-T SG16](http://www.itu.int/oth/T1004000002/) * [Checklist to draft Recommendations](http://www.itu.int/oth/T1004000003/) * [Guidance on creating terms and definitions](http://www.itu.int/oth/T1004000004/) * [Accessibility checklist](http://www.itu.int/pub/T-TUT-FSTP-2006-TACL/en) * [Template to describe a proposed new ITU-T Recommendation](http://www.itu.int/oth/T1004000005/) |
|  | Intellectual Property Rights inquiry | Reminder! |
|  | “Consent” on draft Recommendations proposed for approval in accordance with Recommendation A.8 | [TD 410 Rev.1](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0410/en) – Draft Recommendations to be presented for "Consent" |
|  | Approval of Working Parties reports and Question meetings report | [TD 443](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0443/en) – Question 13/9  [TD 444](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0444/en) – WP1 Report  [TD 445](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0445/en) – WP2 Report   * IRG-IBB ([TD 560](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0560/en))   [TD 531](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0531/en) – Report Joint Plenary of SG9/SG12 |
|  | New/amended Questions (if any) | [TD 526 Rev.1](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0526/en) – Revision of Question Q9/9 ToR |
|  | New appointment and change of appointment of Rapporteur(s), Associate Rapporteur(s), liaison officers | [TD 409 Rev.](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0409/en)3 (List of SG9 Rapporteurs)  [TD 408 Rev.1](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0408/en) (List of SG9 Liaison Officers) |
|  | Update of SG9 Work Programme | See WPs reports |
|  | Outgoing Liaison Statements | [TD 406](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0406/en) – List of outgoing LS |
|  | Date and place of the next SG9 meeting |  |
|  | Future Interim activities (Rapporteurs, WPs) | TD 407 Rev.2 – interim meeting plan |
|  | AOB | [TD 583](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0583/en) - Implementation details of WTSA-12 Resolution 80 pilot in SG9 |
|  | Closing |  |

*Note: Items 1 to 7 are expected to be addressed in the opening Plenary (8 September 2014) and items 8 to 18 are expected to be addressed in the closing Plenary (12 September 2014).*

## ANNEX 3 SG9 outgoing Liaison Statements

The following table shows the list of the 27 agreed SG9 outgoing liaison statements. The texts of all these liaisons statements can be downloaded at: <http://www.itu.int/net/itu-t/ls/ols.aspx?sg=09>.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **#** | **Reference** | **Questions** | **WP** | **To** | **For** | **Title** |
| 1 | [TD 550 Rev.2 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0550/en) | Q1/9 | 1 | SG5, SG15, ITU-R Working Parties 1A, 1C, 3L, 4C, 5A, 5B, 5C, 5D, 6A and 7D | Information | LS/o/r on leakage of radio frequency energy from J.HiNoC systems and coexistence of wired telecommunications with radiocommunication systems – Considerations with respect to work on Recommendation ITU-T J.195.1 (J.HINOC-REQ) (reply to ITU-R WP 5B - 5B/TEMP/295 & ITU-R WP 1A - LS 19) [[to ITU-R Working Parties 1A and 5B] |
| 2 | [TD 573 Rev.1 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0573/en) | Q1/9 | 1 | ITU-R WP4B , SG6, ETSI TC Cable, SCTE, JCTEA, JLabs | Information | LS/o on a new study for high speed transmission scheme by channel bonding technology for UHDTV distribution on cable TV networks [to ITU-R Working Parties 4B , SG6 and ETSI] |
| 3 | [TD 574 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0574/en) | Q1/9 | 1 | ITU-R WP6C | Information | LS/o/r on comment on draft new Recommendation ITU-T J.604 (ex J.svc) [to ITU-R WP6C] |
| 4 | [TD 523 Rev.2 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0523/en) | Q2/9 | 1 | VQEG | Comment | LS/o on UHD Service Quality Issues and Measurement Tools [to VQEG] |
| 5 | [TD 529 Rev.1 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0529/en) | Q2/9 | 1 | VQEG  ITU-T SG12, ITU-T SG16, ITU-R WP6C | Comment  Information | LS/o on HEVC Objective Video Quality Metrics [to ITU-T SGs 12 &16, ITU-R WP6C and VQEG] |
| 6 | [TD 539 Rev.1 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0539/en) | Q3/9 | 1 | ITU-T SG17, ETSI ISG ECI, ARIB/(rights management and access control working group) | Information | LS/o on AAP Consent of draft new Recommendation ITU-T J.1003 (ex J.rcas-net) “Specifications of network protocol for renewable conditional access system” [to ITU-T SG17, ETSI ISG ECI, ARIB] |
| 7 | [TD 564 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0564/en) | Q4/9 | 2 | ITU-R SG6 | Information | LS/o/r on support of updated Terms of Reference of IRG-IBB (reply to ITU-R SG 6 - Document 6/242) [to ITU-R SG6] |
| 8 | [TD 565 Rev.1 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0565/en) | Q4/9 | 2 | ITU-T SCV, ITU-R CCV | Information | LS/o/r on broadcasting terms and definitions being considered by CCV (reply to SCV LS5) [to ITU-T SCV] |
| 9 | [TD 566 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0566/en) | Q4/9 | 2 | ITU-T Question 13/16 | Information | LS/o on recent activities on Integrated Broadcast-Broadband Recommendations in Study Group 9 [to ITU-T SG16] |
| 10 | [TD 567 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0567/en) | Q4/9 | 2 | ITU-R Working Party 6B | Information | LS/o on recent activities on Recommendations related to Integrated Broadcast-Broadband [to ITU-R WP6B] |
| 11 | [TD 568 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0568/en) | Q4/9 | 2 | ITU-R Working Party 6B | Information | LS/o/r on revision of Recommendation J.205 for update of definitions (reply to ITU-R WP 6B - Document 6B/TEMP/111) [to ITU-R WP6B] |
| 12 | [TD 540 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0540/en) | Q9/9, Q5/9 |  | ITU-T SG15 | Information | LS/o/r on Overview and Work Plan on Smart Grids - request for feedback (reply to SG15 LS146) [to ITU-T SG15] |
| 13 | [TD 548 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0548/en) | Q9/9, Q5/9 |  | ITU-T SG15 | Information | LS/o/r on version 1 of the Home Network Transport (HNT) standardization overview and work plan (reply to SG15 LS123) [to ITU-T SG15] |
| 14 | [TD 549 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0549/en) | Q9/9, Q5/9 |  | ITU-T SG15 | Information | LS/o/r on new versions of the Access Network Transport (ANT) standardization overview and work plan (reply to SG15 LS122) [to ITU-T SG15] |
| 15 | [TD 551 Rev.1 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0551/en) | Q1/9 Q7/9 |  | ITU-T SG15, IEEE SA, ETSI TC-Cable, TTC, IEC TC100, SCTE, RRA, ATIS, JCTEA, JLabs, CCSA, Broadband Forum, HomeGrid Forum, HGI, Metro-Ethernet Forum, DVB-TM | Information | LS/o on AAP Consent of draft new Recommendation ITU-T J.195.2 and J.195.3 |
| 16 | [TD 552 Rev.1 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0552/en) | Q1/9 Q7/9 |  | ITU-R WP6A, ISO/IEC JTC1/SC29/WG11(MPEG), SCTE, ETSI TC-CABLE, RRA, TTC | Information | LS/o on AAP Consent of draft new Recommendation ITU-T J.Cable3DTV-req “Requirements for Stereoscopic Three Dimensional Television Service over Hybrid Fiber and Coaxial based network” |
| 17 | [TD 556 Rev.1 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0556/en) | Q7/9 | 2 | ITU-T Q2/13 | Action | LS/o/r on draft new Recommendation ITU-T Y.ICN-Reqts “Requirements and capabilities for Information Control Networks and related applications” (reply to SG13 LS60) [to ITU-T SG13] |
| 18 | [TD 570 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0570/en) | Q10/9 | 2 | ITU-R Working Party 6C, ISO/IEC JTC 1/SC 29/WG 11 | Information | LS/o on AAP consent of new Recommendation J.arstv-req (“Requirements of Augmented Reality Smart Television System”) [to ITU-R Working Party 6C , ISO/IEC JTC 1/SC 29/WG 11] |
| 19 | [TD 530 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0530/en) | Q2/9, Q12/9 | 1 | VQEG | Action | LS/o on 3D Recommendations [to VQEG] |
| 20 | [TD 533 Rev.1 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0533/en) | Q12/9 | 1 | ITU-T SG12, ITU-T SG16, ITU-R WP6C, VQEG | Information | LS/o on consent of J.bitvqm [to ITU-T SG12, SG16, ITU-R WP6C and VQEG] |
| 21 | [TD 534 Rev.2 (GEN/9)](http://web.itu.int/md/T13-SG09-140908-TD-GEN-0534/en) | Q12/9 | 1 | ITU-T SG12, ITU-T SG16, ITU-R WP6C, VQEG | Information | LS/o on SG9 quality related activities [to ITU-T SG12, SG16, ITU-R WP6C and VQEG] |
| 22 | [TD 577 (GEN/9)](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0577/en) | Q13/9 | N/A | SG11, JCA-CIT | Info | LS/o/r on request to all SGs to follow up on the Council 2013 C&I Action Items for implementation by ITU-T SGs |
| 23 | [TD 578 (GEN/9)](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0578/en) | Q13/9 | N/A | WP2/5  ITU-R WPs 1A, 5B and 6A | Action  Info | LS/o/r on Recommendation ITU-T K.60 - Coexistence of wired and wireless communication systems |
| 24 | [TD 579 (GEN/9)](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0579/en) | Q13/9 | N/A | WP2/5, ITU-R WPs 1A, 4C, 5A, 5B, 5C, and 6A | Info | LS/o/r on Current status on draft Recommendation ITU-T K.mhn and issues related to coexistence of wired telecommunications and radio communication |
| 25 | [TD 580 (GEN/9)](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0580/en) | Q13/9 | N/A | ETSI TC Cable | Info | LS/o/r on Consent of J.382 and Current Work of TC Cable |
| 26 | [TD 581 (GEN/9)](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0581/en) | Q13/9 | N/A | JCA-SDN | Info | LS/o/r on SDN standardization activity map |
| 27 | [TD 582 (GEN/9)](http://www.itu.int/md/T13-SG09-140908-TD-GEN-0582/en) | Q13/9 | N/A | SG2 | Info | LS/o/r on Telecommunication Management and OAM Project Plan |

## **ANNEX 4 Report of Working Party 1/9**

**1. Introduction**

Working Party 1/9 (Video transport and quality assessment) met on 8 September and 11 September 2014 in Geneva, under the chairmanship of Mr Satoshi Miyaji (KDDI, Japan). The meeting agenda is found in TD 517r1. At the closing Plenary of WP1/9, activities of each Question were reported and draft Recommendations planned for AAP consent at the SG9 Plenary, draft Recommendations for progressing and outgoing liaison statements were approved at the Working Party level.

**1.1 Structure of WP 1**

Chairman: Satoshi Miyaji (KDDI, Japan)  
Vice-Chairman: Jingfei Cui (SARFT, China)

The following is the current structure of WP1/9.

|  |  |  |
| --- | --- | --- |
| Question | Rapporteur | Title |
| Q1/9 | Shigeyuki Sakazawa  Associate: Yangsu KIM | Transmission of television and sound programme signal for contribution, primary distribution and secondary distribution |
| Q2/9 | Quan Huynh-Thu  Associate: Margaret H Pinson | Measurement and control of the end-to-end quality of service (QoS) for advanced television technologies, from image acquisition to rendering, in contribution, primary distribution and secondary distribution networks |
| Q3/9 | Han-Seung Koo Associate: Masaya Shigenobu | Methods and practices for conditional access, protection against unauthorized copying and against unauthorized redistribution ("redistribution control" for digital cable television distribution to the home) |
| Q6/9 | Satoshi Miyaji | Digital programme delivery controls for multiplexing, switching and insertion in compressed bit streams |
| Q11/9 | Shigeyuki Sakazawa | Transmission of multichannel analogue and/or digital television signals over optical access networks |
| Q12/9 | Chulhee Lee Associates: Quan Huynh-Thu Margaret Pinson | Objective and subjective methods for evaluating perceptual audiovisual quality in multimedia services within the terms of Study Group 9 |

**1.2 Agenda**

The meeting adopted the agenda contained in TD 517r1.

**2. Documents discussed**

Q1: COM9 – C59; TDs 411, 427, 450, 458, 459, 460, 461, 462, 475, 482, 488, 489, 490

Joint Q1 and Q7: COM9–C84; TDs 411, 427, 458, 459, 460, 461, 462, 475, 482, 488, 489, 490

Q2: COM 9 – C76, C80; TD 420

Joint Q2 and Q12: C76, C80; TDs 428, 495, 501, 503

Q3: COM 9 – C63, C81, C82, C83; TDs 465, 415, 429, 463, 464

Q6: TDs 456, 457

Q11: None

Q12: COM 9 – C57, C66, C67, C68, C69, C70, C71, C72, C77, C78, C79, C85; TDs 451, 509

**3. Results**

**3.1 Question 1/9 (TD 431r1)**

Question 1 discussed a Contribution for UHDTV transmission over a cable network and agreed to start two work items to revise Recommendations based on the Contribution.

**3.2 Joint Questions 1/9 and 7/9 (TD 557r1)**

Joint Questions 1/9 and 7/9 agreed to propose J.HiNoC-phy, J.HiNoC-mac and J.Cable3DTV-req for AAP Consent in the closing Plenary of SG9. The group also agreed to send back a Liaison statement regarding interference issue of HiNoC from viewpoint of technical aspect.

**3.3 Question 2/9 (TD 432)**

Question 2/9 agreed to start the new work item based on the Contribution C76 proposing to start a new work item to develop objective metrics for ultra HD (UHD). The group also agreed to start another a new work item to evaluate the accuracy of objective video quality models on the new HEVC / H.265 coding standard.

**3.4 Joint Questions 2/9 and 12/9 (TD 432)**

Joint Questions 2/9 and 12/9 discussed three incoming liaison statements, which were of common interests to both Questions. The joint group prepared one outgoing liaison statements.

**3.5 Question 3/9 (TD 433)**

Question 3/9 agreed to update the previous draft text of J.rcas-net based on C81 during the meeting, and agreed to propose TD535 to AAP consent in this SG9 plenary. The group also updated the draft text of J.drm-req based on C63 during the meeting.

The group agreed to initiate new work item of J.rcas-ac proposed by C82, and developed TD537 for the new draft text of J.rcas-ac. It was also agreed to initiate another new work item of J.rcas-saf.req proposed by C83, and developed TD538 for the new draft text of J.rcas-saf.req.

**3.6 Question 6/9 (TD 436)**

Question 6/9 reviewed the draft text of J.181 Addendum (TD 456), which was produced at the May interim meeting based on the latest SCTE-67. It was identified that SCTE made no updates since we produced the TD, and it was agreed to propose it for Approval at Friday Plenary.

**3.7 Question 11/9**

No meeting was held during the September SG9 meeting.

**3.8 Question 12/9 (TD 442r2)**

Question 12/9 progressed Recommendations (J.bitvqm and J.bitvqm.1~6) and agreed to propose for AAP consent. Based on the contributions, P.3D-sam and P.3D-fatigue were progressed. It is expected that P.3D-fatigue can be presented for consent at the next SG9 meeting. The group also agreed to start to develop draft new Recommendation J.op-tr on optimal video transmission methods in terms of bitrates and resolution, which use the minimum bandwidth while providing equivalent perceptual video quality by considering content characteristics and display size/resolution. The new work items to revise Recommendations P.911 and P.912 were also agreed.

**4. Summary**

**4.1 Draft new/revised Recommendations proposed for “consent” and/or “determination”**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| # | Question | Rec | Status | Title | Final TD GEN | A.5 justification |
| 1 | Q1/9 | J.195.2 (J.HiNoC-phy) | New | PHY layer specification of high performance network over coax | TD 488 (GEN/9) | N/A |
| 2 | Q3/9 | J.1003 (J.rcas-net) | New | Specifications of network protocol for conditional access client software remote renewable security system | TD535 (GEN/9) | N/A |
| 3 | Q12/9 | J.343  (J.bitvqm) | New | ITU-T J.343 “Hybrid perceptual/bitstream models for objective video quality measurements” (New) | TD527 Rev.3 (GEN/9)  +TD502  (GEN/9) | N/A |
| 4 | Q12/9 | J.343.1 (J.bitvqm.1) | New | ITU-T J. 343.1 “Hybrid NRe objective perceptual video quality measurement for HDTV and multimedia IP-based video services in the presence of encrypted bitstream data” (New) | TD541 Rev.2 (GEN/9) + TD502 (GEN/9) | N/A |
| 5 | Q12/9 | J.343.2  (J.bitvqm.2) | New | ITU-T J. 343.2 “Hybrid NR objective perceptual video quality measurement for HDTV and multimedia IP-based video services in the presence of non-encrypted bitstream data” (New) | TD542 Rev.2 (GEN/9)+ TD502 (GEN/9) | N/A |
| 6 | Q12/9 | J.343.3 (J.bitvqm.3) | New | ITU-T J. 343.3 “Hybrid RRe objective perceptual video quality measurement for HDTV and multimedia IP-based video services in the presence of a reduced reference signal and encrypted bitstream data” | TD543 Rev.2 (GEN/9)+ TD502 (GEN/9) | N/A |
| 7 | Q12/9 | J.343.4 (J.bitvqm.4) | New | ITU-T J. 343.4 “Hybrid RR objective perceptual video quality measurement for HDTV and 8multimedia IP-based video services in the presence of a reduced reference signal and non-encrypted bitstream data” | TD544 Rev.2 (GEN/9)+ TD502 (GEN/9) | N/A |
| 8 | Q12/9 | J.343.5 (J.bitvqm.5) | New | ITU-T J. 343.5 “Hybrid FRe objective perceptual video quality measurement for HDTV and multimedia IP-based video services in the presence of a full reference signal and encrypted bitstream data” | TD545 Rev.2 (GEN/9) + TD502 (GEN/9) | N/A |
| 9 | Q12/9 | J.343.6 (J.bitvqm.6) | New | ITU-T J. 343.6 “Hybrid FR objective perceptual video quality measurement for HDTV and multimedia IP-based video services in the presence of a full reference signal and non-encrypted bitstream data” | TD546 Rev.2 (GEN/9)+ TD502 (GEN/9) | N/A |

**4.2 Draft new/revised Recommendations proposed for progressing**

| Acronym | Title | Editor | Time Consent / Approval | Reference | Question |
| --- | --- | --- | --- | --- | --- |
| J.94rev | Service information for digital broadcasting in cable television systems | Naoyoshi Nakamura  Yoshitaka Hakamada | 2015-05 | TD 575 (GEN/9) | Q1/9 |
| J.183rev | Time-division multiplexing of multiple MPEG-2 transport streams over cable television systems | Naoyoshi Nakamura  Yoshitaka Hakamada | 2015-05 | TD 576r1 (GEN/9) | Q1/9 |
| J.195.1rev | J.HiNoC-req | Jingfei Cui | 2015 | TD 554r1 (GEN/9) | Led by Q1 jointly with Q7/9 |
| P.av-ims | Immersive Subjective Testing Method for Audio, Video or Audiovisual Stimuli | Margaret H. Pinson | 2016 | TD 343 (GEN/9) | Q2/9 |
| P.3D-disp-req | Display requirements for 3D video quality assesment | Quan Huynh-Thu  Margaret Pinson | 2015 | TD 420 (GEN/9) | Q2/9 |
| J.vqm-hevc | Objective perceptual video quality measurement methods for H.265 | Chulhee Lee  Margaret Pinson | 2016 | C80; Annex C TD 432 (GEN/9) | Q2/9 |
| J.q-uhd | Quality measurement methods for UHD services | Chulhee Lee  Margaret Pinson | 2016 | C76; Annex D TD 432 (GEN/9) | Q2/9 |
| J.drm-req | Architecture and requirement of DRM for cable television multiscreen | Masaya Shigenobu  (m-shigenobu@jlabs.or.jp)  Han-Seung Koo  (koohs@etri.re.kr) | 2015 | TD536 (GEN/9) | Q3/9 |
| J.rcas-ac | Interface specifications between authorization centre (AC) and conditional access module authentication sub-system (CASS) | Han-Seung Koo  (koohs@etri.re.kr) | 2015 | TD537 (GEN/9) | Q3/9 |
| J.rcas-saf.req | Requirements for Smart Agricultural Framework over RCAS in CATV network | Han-Seung Koo  (koohs@etri.re.kr) | 2016 | TD538 (GEN/9) | Q3/9 |
| Sup-digTV | Installing a digital TV service for cable networks and relating Recommendations | Shigeyuki Sakazawa  TaeKyoon Kim | 2015 | C32, C53 | Led by Q11/9 jointly with  Q1/9, 7/9 |
| J.noref | Perceptual video quality measurement techniques for digital cable television in the absence of a reference | Chulhee Lee | June 2014 | TD 95 (2009-2012) | Q12/9 |
| P.3D-sam | Subjective assessment methods for 3D video quality | Chulhee Lee  Margaret Pinson | 2015 | TD 509  (GEN/9) | Q12/9 |
| ~~J.mm-noref~~ | ~~Perceptual audiovisual quality measurement techniques for multimedia services over digital cable television networks in the absence of a reference~~ | ~~Chulhee Lee~~ | ~~June 2014~~ | ~~TD 517 (2009-2012)~~ | ~~Q12/9~~ |
| J.3D-fatigue | Assessment methods of visual fatigue and safety guideline for 3D video | Chulhee Lee  Margaret Pinson | 2015 | TD 340  (GEN/9) | Q12/9 |
| J.src-vq | Objective Assessment Methods for Source Video Quality at the Headend | Chulhee Lee | 2015 | TD 705 (2009-2012) | Q12/9 |
| J.op-tr | Methods for Optimizing Bitrates and Transmission Resolution by Considering Display Characteristics and Available Bandwidth | Chulhee Lee | 2016 | TD532  (GEN/9) | Q12/9 |
| P.911-rev | Subjective audiovisual quality assessment methods for multimedia applications | Chulhee Lee  Margaret Pinson | 2015 | TD547  (GEN/9) | Q12/9 |
| P.912-rev | Subjective video quality assessment methods for recognition tasks | Chulhee Lee  Margaret Pinson | 2015 | TD528r1 (GEN/9) | Q12/9 |

**4.3 Addendums, Appendixes, Corrigendums, Implementer’s Guides, etc. if any**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **#** | **Question** | **Kind of publication** | **Status** | **Title** | **Final TD GEN** |
| 1 | Q6/9 | Informative  Appendix | Revised | Draft revised Appendix II of Recommendation J.181 | TD 456 (GEN/9) |

**4.4 Liaison statements:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| # | Document | Questions | WP | To | For | Title |
| 1 | TD 573r1 (GEN/9) | Q1/9 | WP 1 | ITU-R WP4B, ITU-R SG6, ETSI , SCTE, JCTEA, JLabs | Information | Start of study on UHDTV transmission over J.83 |
| 2 | TD 574 | Q1/9 | WP1 | WP6C | Information | Reply for comment on J.604 |
| 3 | TD 550r2 (GEN/9) | Q1/9 and 7/9 | WP 1 | ITU-R WP1A, WP5B (for comment), WP5A, WP5C, WP6A (for information) | Comment | Reply Liaison on leakage of radio frequency energy from J.HiNoC systems |
| 4 | TD 551 Rev.1 (GEN/9) | Q1/9 and 7/9 | WP 1 and WP 2 | ITU-T SG15, IEEE SA, ETSI TC-Cable, TTC, IEC TC100, SCTE, RRA, ATIS, JCTEA, JLabs, CCSA, Broadband Forum, HomeGrid Forum, HGI, Metro-Ethernet Forum, DVB-TM | Information | AAP Consent of HiNoC-phy/mac |
| 5 | TD 552 Rev.1 (GEN/9) | Q7/9 and Q1/9 | WP 2 and WP 1 | ITU-R WP6C, ISO/IEC JTC1/WG11 (MPEG), ETSI TC-Cable, SCTE, TTC, RRA | Information | AAP Consent of J.Cable3DTV-req |
| 6 | TD 523 Rev.2 (GEN/9) | Q2/9 | WP 1 | ITU-T SG12 & SG16, ITU-R WP6C, VQEG | Comment | UHD Service Quality Issues and Measurement Tools |
| 7 | TD 529 Rev.1 (GEN/9) | Q2/9 | WP 1 | VQEG | Comment | HEVC Objective Video Quality Metrics |
| 8 | TD 530 (GEN/9) | Q2/9 & Q12/9 | WP1 | VQEG | Action | LS on 3D Recommendations |
| 9 | TD 539 Rev.1 (GEN/9) | Q3/9 | WP 1 | ITU-T SG17, ETSI ISG ECI, ARIB | Information | LS/o on AAP Consent of draft new Recommendation ITU-T J.1003 (ex J.rcas-net) “Specifications of network protocol for renewable conditional access system” |
| 10 | TD 533 Rev.1 (GEN/9) | Q12/9 | WP 1 | ITU-T SG12, ITU-T SG16, ITU-R WP6C, VQEG, | Information | LS on J.bitvqm |
| 11 | TD 534r2 (GEN/9) | Q12/9 & Q2/9 | WP1 | ITU-T SG12, ITU-T SG16, ITU-R WP6C, VQEG | Information | Reply LS on SG activities related to video quality |

**4.5 Next Meetings**

| Question/WP | Date | Place / Host | Terms of reference | Contact |
| --- | --- | --- | --- | --- |
| Q1/9 | February 2015 | TBD | Development of J.94rev and J.183rev if SG9 meeting is not held in Feb. 2015. | sh-sakazawa@kddi.com |
| Joint Q1/9 and Q7/9 | February 2015 | TBD | Discussion of new work item if SG9 meeting is not held in Feb. 2015. | sh-sakazawa@kddi.com  tkkim@etri.re.kr |
| Joint Q2/9 and Q12/9 | January 2015 | USA [TBC] | Progress on P.3D-sam, P.3D-disp-req, J.3D-fatigue, J.src-vq, J.op-tr, J.vqm-hevc, J.q-uhd, P.av-ims. | chulhee@yonsei.ac.kr  mpinson@its.bldrdoc.gov |
| Joint Q2/9 and Q12/9 | March 2015 | e-meeting [TBC] | Progress on P.3D-sam, P.3D-disp-req, J.3D-fatigue, J.src-vq, J.op-tr, J.vqm-hevc, J.q-uhd, P.av-ims. | chulhee@yonsei.ac.kr  mpinson@its.bldrdoc.gov |
| Q3/9 | December 2014 or January 2015 [TBC] | Geneva [TBC] | Progress on J.drm-req, J.rcas-ac, and J.rcas-saf.req | koohs@etri.re.kr |

**5. Intellectual property statements**

The following summarises the status of IPR statements submitted or declared at the WP1 closing plenary.

|  |  |  |  |
| --- | --- | --- | --- |
| **Question** | **Company or Organization** | **Draft Recommendation** | **Status** |
| Q2/9 | Opticom | J.343, J.343.5, J.343.6 | Declared |
| Q2/9 | Yonsei University | J.343, J.343.1~J.343.6 | Declared |
| Q2/9 | Rohde & Schwarz | J.343, J.343.1 | Declared |
| Q3/9 | ETRI | J.1003 | Submitted |

## ANNEX 5 Report of Working Party **2/9**

**1. Introduction (general)**

Working Party 2/9 (Terminals and Applications) met on 08 and 11 September 2014 in Geneva, under the chairmanship of Mr. Dong WANG (ZTE Corporation, P. R. China) as part of SG9 meeting. At the beginning of WP 2/9 Plenary, meeting agenda TD 517Rev.1 was approved. At the Plenary of WP 2/9, the activities of each Question group were reported, where draft Recommendations planned for AAP consent at the SG9 Plenary and draft Recommendations for progressing and outgoing liaison statements were approved at the Working Party level.

**1.1 Structure of WP 2/9**

Chairman: Dong Wang (ZTE, China), Vice-Chair: TaeKyoon Kim (ETRI, Rep. of Korea)

The following Questions constitute WP 2/9.

|  |  |  |
| --- | --- | --- |
| Question | Rapporteur | Title |
| Q4/9 | Masaru Takechi  Associate:  Aguinaldo Boquimpani | Software components application programming interfaces (APIs), frameworks and overall software architecture for advanced content distribution services within the scope of Study Group 9 |
| Q5/9 | Mayumi Matsumoto  Associate: Dong Wang | Functional requirements for residential gateway and set-top box for the reception of advanced content distribution services |
| Q7/9 | TaeKyoon Kim  Associate:  Ouyang Feng | Cable television delivery of digital services and applications that use Internet Protocol (IP) and/or packet-based data |
| Q8/9 | (Acting Rapporteur)  Dong Wang  Associate:  Sung-kwon Park | The IP enabled multimedia applications and services for cable television networks enabled by converged platforms |
| Q9/9 | Jiansheng Zhang | Requirements for advanced service capabilities for broadband cable home networks |
| Q10/9 | Tomohiko Takahashi | Requirements, methods, and interfaces of the advanced service platforms to enhance the delivery of sound, television, and other multimedia interactive services over cable television network |

**1.2 Agenda**

The meeting adopted the agenda contained in TD 517Rev.1.

**2. Documents discussed**

Q4: COM 9 – C.86 rev.1 TDs: 417, 422, 423, 424, 340, 449, 453, 473, 483, 496, 497, 498, 499 and 506

Q5: COM 9 – C58 rev.1, C64Rev.1 TDs: 426, 446, 447, 448, 486 and 500

Q7: TD 425

Joint Q1 and Q7: COM 9 – C.84 TDs: [458](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0458), [459](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0459), [460](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0460), [461](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0461), [475](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0475), [482](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0482), [488](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0488), [489](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0489) and [490](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-SG09-140908-TD-GEN-0490)

Joint Q5, Q8 and Q9: TDs 426,446, 447, 448 and 486

Q8: TD 478

Q9: COM 9 – C60, 61, 62 TDs: 411, 426, 446, 447, 486 and 522

Q10: COM 9 –C73R1, C74R1, C75R1 TDs: 466, 467 and 468

WP2: TD 478.

**3. Results**

The seven meeting results were reported by the Rapporteurs for Q4, Q5 (including joint Q5, Q8 and Q9), Q7(including joint Q7 and Q1), Q9, and Q10.

NOTE - Q8 meeting session cancelled since no attendees and one iLS (TD 278) is reviewed after joint Q5,8&9/9 Monday S4 meeting and also returned to WP2 closing plenary.

**3.1 Question 4/9 (TD 434Rev.1)**

Question 4/9 met in 9 sessions to discuss 1 contribution, 14 TDs, 6 incoming Liaisons Statements and output 6 TDs (including 2 TDs for AAP Consent and 1 TD for Approval) and 5 outing Liaisons Statements.

The group reviewed Contribution 86 rev.1 and agreed to add a new scenario for services using device integration in the work of J.cab-mob-req. The group analysed proposed requirements for this in Contribution 86 rev. 1 and identified general requirements for all the scenarios and those specific to the proposed scenario. Requirements which belong to the proposed specific scenario are categorized in the new sub clause for them. The group continued the analysis of system comparison tables in draft new Recommendation J.acf-spec. The group agreed on thse updated text and tables based on the result of the analysis. The updated text is submitted to ITU-R Working Party 6B for further development. The group reviewed the text of draft revision of Recommendation J.201 and identified that it is matured to seek consent at this meeting. The group agreed to propose it for consent. The group received a proposal to update of Terms of Reference (ToR) for Intersector Rapporteur Group on Integrated Broadcast-Broadband systems (IRG-IBB) from ITU-R Study Group 6. The group reviewed it and agreed to seek the consent of Study Group 9 for the updated ToR towards the creation of IRG-IBB. In addition to the work above, the group received proposals to consider updates of definitions in Recommendation J.205. The group discussed their treatment and agreed to update the Recommendation by a Corrigendum. The group agreed on the text of required liaison statements to notify the results above to ITU-R Study Group 6 on IRG-IBB, ITU-R Working Party 6B on the work of J.acf-spec, J.cab-mob-req, J.205 and J.201, ITU-T SCV on J.205, and Question 13/16 on J.acf-spec and IRG-IBB.

The work on J.ARSTV series Recommendations jointly with Question 10/9 is described in the meeting report of Question 10/9 (see TD 440 Rev.1).

**3.2 Question 5/9 (TD 435)**

Question 5/9 met in 6 sessions to discuss 2 contributions, 6 TDs, 5 incoming Liaisons Statements and output 3 outing Liaisons Statements (see joint meeting report TD558Rev.1).

The group discussed the topics of initiating New Work Item on Requirements for 4K Cable STB, cconsiderations of New Optical Media Platform Standardizations for an Optical Network based Cable TV Services in ITU-T SG9 and requesting for contribution documents for progressive study of Draft New Recommendation J.rg-spec “Specification for Residential Gateway”.

**C58R1** is from Hanyang University, Korea for cconsiderations of New Optical Media Platform Standardizations for an Optical Network based Cable TV Services in ITU-T SG9. The intention of this document is to establish new work item in Q5/9 taking into account of the new generation STB concept, UHD high resolution video service functions supported by the optical interface and new CAS technologies. Throughout the discussion, the group recognized that following items shall be clarified before making decision toward new work item.

1. Scope of new work item
2. Matching with Q.5/9 motivation and SG9 mandate
3. Gap analysis with published/under studied SG15 Recommendation
4. Clarification of interface condition among new system components
5. Clarification of new STB functions
6. Market demand (volume, timeline, etc.)
7. Cable industry support
8. Possible target date for AAP consent

It was agreed to discuss again in the next Q5/9 meeting (interim meeting) based on the clarification document above, which shall be provided by the main contributor of C58R1.

**C64R1** is a proposed document from Japan Cable Laboratories for initiating New Work Item “Requirements for 4K Cable STB”. The group expressed several comments as follows;

1. It is quite interesting proposal for the consideration of near term cable services. Germany will study whether downloadable CAS/DRM function can be incorporated into this STB.
2. Korea has started commercial 4K services since April this year. Korea will seek possibility of unified proposal combined with C64R1 and C58R1 with an optical interface.
3. Is there any difference between 4K STB (3rd generation) and 2K STB (2nd generation) except for coding technology?
4. Why remote viewing service is specifically focused in 4K STB (3rd generation)?

Although the group has recognized that the proposal is worthwhile for consideration of new work item establishment, however more discussion/contribution from members seems necessary and the unification of proposal with C58R1 is also to be considered. Market demand and cable industry support should be also examined. The group agreed to continue the discussion among related parties and try to make decision at the next Q5/9 meeting (interim meeting).

**TD500** is a submitted document from Japan Cable Laboratories requesting contribution documents for progressive study of Draft New Recommendation J.rg-spec “Specification for Residential Gateway”. The intention of this document is to encourage members to make contribution for J.rg-spec. Following supported comments were expressed in the group discussion.

* 1. RGW is very important home device for new cable services. Germany will submit contribution document at the next Q.5/9 meeting (interim meeting).
  2. Study for multi-room service is needed for HN functions controlled by RGW.

The group agreed to wait contributions from members until the next Q5/9 meeting (interim meeting) and decide whether to continue the work or not at the next Q5/9 meeting (interim meeting). The group understood that the work shall be withdrawn automatically if no contribution is submitted in two consecutive meetings.

**3.3 Question 7/9 (TD 437Rev.1)**

Question 7/9 met in 3 sessions to discuss 1 incoming Liaisons Statements and output 1 outing Liaisons Statements (TD556Rev.1).

**TD425** is a Liaison document from ITU-T WP1/13 regarding Information Control Networks and related applications. They has initiated some work on Information Control Networks and related applications, in particular with the new draft Recommendation Y.ICN-Reqts “Requirements and capabilities for Information Control Networks and related applications” agreed in Geneva on 28 February 2014. The group agreed to send reply Liaison. The reply Liaison is found in TD 556 Rev.1 (GEN/9).

**3.3.1 Joint Questions 1/9 and 7/9 (TD 557 Rev.1)**

Question 7/9 met in 5 sessions jointly with Q1/7 to discuss 1 contribution, 7 TDs, 2 incoming Liaisons Statements, output 2 draft Recommendation for AAP Consent (i.e. TD 489&TD 553) and 3 outgoing Liaisons Statements.

**J.HiNoC-phy and J.HiNoC-mac**

The group reviewed TDs 461, 458, 459, 488, 489, 490, those are the reports, DNR J.HiNoC-phy and J.HiNoC-mac from interim meeting. The group also intensively discussed the interference issue raised in the incoming Liaison, and finally reached a convincing conclusion of safety of HiNoC systems. See section 3.1 for the detailed discussion. The group also reviewed the draft new Recommendation J.HiNoC-phy (TD488) and J.HiNoC-mac (TD489) with a Recommendation Check List, and agreed to propose them for AAP Consent in the closing Plenary of this SG9 meeting. The group also agreed to revise J.195.1 and its draft is found in TD 554 Rev.1.

**J.cable3DTV-req**

The group reviewed C84 and TD460. TD460 is DNR J.cable3DTV-req in the May 2014 meeting, and C84 is an editorially enhanced version of TD460. Therefore, the group reviewed only C84 with a Recommendation Check List. The group also checked whether this DNR has been informed to other SDOs properly, and confirmed it. Finally, the group agreed to propose C84 for AAP Consent in the closing Plenary of this SG9 meeting.

**TD475** and **TD482** raised concern of interference from wired transmission systems to wireless transmission systems. TD475 from ITU-R WP5B describes their general consideration and mandates on an aeronautical navigation system, and shows specific concern for HiNoC system from the viewpoint of interference. In the last communication with WP5B, Q1/9 and Q7/9 had sent simulation results to show HiNoC’s immunity, however further clarification is required in the Liaison. TD482 from ITU-R WP1A also discusses the same topic with additional concern of interference due to poor installation of cable systems. The group discussed these Liaisons with detailed simulation and parameters used in calculation, and are convinced with the result. The analysis is documented in TD 555. Then the group discussed the way to avoid usage of HiNoC in poor installation cable systems, and agreed to add a new requirement in J.195.1 (J.HiNoC-req) to enforce it. Finally, the group agreed to send a reply Liaison to WP1A and WP5B including our intention of revise J.195.1 and the analysis report TD 555.

See joint report Q1/9 and Q7/9 in TD 557 Rev.1 (GEN/9) for further details.

**3.4 Question 8/9 (*none*)**

Question 8/9 planned one session but is cancelled since no attendees and one iLS (TD 278) is reviewed after joint Q5, 8&9/9 Monday S4 meeting and also returned to WP2 closing plenary (see **3.8.1**).

**3.4.1 Joint Questions Q5, 8&9/9 (TD 558Rev.1)**

The joint Questions 5, 8&9/9 met in 2 sessions to discuss 5 incoming Liaisons Statements and output 3 outing Liaisons Statements (TD540, TD548&TD549).

No contributions assigned for the joint meeting and C-62 (on J.lasdp-req) was discussed within Q9/9. No significant progresses on the current programmes w.r.t. Q5 J.rg-spec, Q8 J.iptvappclient. As a result, the target dates for Consent were delayed again.

The Joint Questions 5/9, 8/9&9/9 discussed the question text revision topic and only Q9/9 will give a revised question text during this meeting and no modifications required for Q5 and Q8. Q8 will consider to do further revision, as required, if SDN/NFV will be included into the scope of Q8/9.

**TD 426** is from JCA-IoT on IoT-Roadmap, IoT-work program, contacts and invitation to participate in IoT-GSI events. This iLS *provides* the latest version of the IoT Standards Roadmap, and *requests* each involved Study Group to check the latest version of the IoT Roadmap and provide JCA-IoT any applicable feedback and relevant updates related to IoT work. JCA-IoT *encourages* all relevant Questions to participate in the next IoT-GSI event, which is currently scheduled to be held on 12-18 November 2014, Geneva, Switzerland. And it also *request*s to check and provide relevant updates on the JCA-IoT list of contacts. The joint group reviewed the two attachments (i.e. *IoT work plan* and *Draft List of contact points for the participating entities*), and believed the information is very useful not only to the Joint Questions of Q5, 8&9/9, but also to other questions, like Q3/9 (e.g. Security topic), Q4/9 (e.g. API topic) and Q10/9 (e.g. IoT SDP topic). The joint questions try to identify the relevant areas and give a mapping with SG9 questions for the potential future study items development according to IoT work plan part B – “potential new study items” (See Annex B of TD 558 Rev.l). The joint group encourages the relevant questions to examine the related materials offline and to seek any potential chance for initiating new work items for the future study. Since none of activities initiated within SG9 so far, no oLS responded.

**TD 446** is LS/i on Overview and Work Plan on Smart Grids – request for feedback [from ITU-T SG15]. The Overview and Work Plan for Smart Grid Communications lists areas of work in ITU-T related to Smart Grid and also reports an updated list of approved Q15/15 Recommendations and work in progress. At this moment SG9 do not have any additional information to the Overview and Work Plan for Smart Grid Communication work. However if the group find any relationship with Smart Grid Communication in near future, SG9 would like to update the Overview and Work Plan. The outgoing liaison is contained in TD540.

**TD 447** is LS/i on version 1 of the Home Network Transport (HNT) standardization overview and work plan [from ITU-T SG15] requesting report of current status of SG9. SG9 has just started the study of HNT area taking into consideration of wireless technologies, such as IEEE 802.11 ac, ZigBee, Bluetooth and other low power radio communication technologies which are workable on 6LowPan protocol. Currently SG9 do not have any information to add to the Overview and Work Plan, however when it becomes necessary, SG9 would like to inform SG15 on the revision of Overview and Wok Plan. The outgoing liaison is contained in TD548.

**TD 448** is LS/i on new versions of the Access Network Transport (ANT) standardization overview and work plan [from ITU-T SG15]. At this moment SG9 has no additional information to be added to ANT overview and Work Plan. However if we find any additional information for the work in near future, SG9 would like to inform SG15 of the revised information. The outgoing liaison is contained in TD549.

**TD 486** is from SG11 on FG M2M output and the progress of SG11 on M2M. This iLS informs SG9 and other SGs the deliverables covered only partially the intended scope and focused on e-health rather than other vertical markets associated with M2M (e.g., home automation, transportation, utilities, etc.) and SG11, as parent Study Group of this Focus Group, recommends that the five FG M2M deliverables are taken over by relevant ITU-T Study Groups to continue study, which includes as follows:

- D0.1: “M2M standardization activities and gap analysis: e-health” should be considered by all involved ITU-T Study Groups, especially SG11, SG13 and SG16, for their work on IoT and M2M and e-health related Recommendations.

- D0.2: “M2M enabled ecosystems: e-health” should be transferred to ITU-T SG13 and SG16, for their work on e-health related Recommendations.

- D1.1: “M2M use cases: e-health” should be transferred to ITU-T SG13 and SG16 for their work on e-health related Recommendations.

- D2.1: “M2M service layer: requirements and architectural framework” should be transferred to ITU-T SG13 and SG16 for their work on Recommendations on IoT and M2M requirements and architecture.

- D3.1: “M2M service layer: APIs and protocols overview” will be considered by ITU-T SG11 to develop Recommendations on APIs and protocols for IoT and M2M. For your information, during this SG11 meeting, Q1/11 started a new work item: Q.M2M\_pro\_overview *"Overview of APIs and protocols for M2M service layer”* to address D3.1; we hope for fruitful collaboration and coordination in this area.

The group reviewed that result of FG M2M and have a quick look on the 5 deliverables and believe that the documents are very helpful to our future potential IoT/M2M activities, especially on the current M2M standardization activities, gap analysis, use cases, requirements and architectural framework, which may be as good references to SG9 relevant questions around IoT/M2M topics. The group encourages the relevant questions to continue examining the related materials offline and to seek any potential chance for initiating new work items for the future study. Since none of activities initiated within SG9 so far, no oLS responded.

**3.5 Question 9/9 (TD 439 Rev.1)**

Question 9/9 met in 5 sessions to discuss three contributions and five incoming liaison statement. There were three outgoing liaison statements created jointly with Q9/9 at this meeting.

**TD411** is LS/r from ITU-T SG5. This liaison statement thanks SG9 for the information on coexistence of wired telecommunications with radiocommunication systems, and informs the latest progress on draft Recommendation K.mhn and K.60. The draft Recommendation K.mhn had been finished 4th revision. Its’ purpose is to give guidance how to solve interference, which occurs between radio devices and cable or equipment connected to wired broadband networks in home, and to take appropriate measures for it. After discuss the interference cases between radio device and cable or equipment connected to wired broadband network, ITU-T SG5 want to collect information on cases of interference and to analyze the situation and mechanism of the interference, and check conformities of the relevant standards. The draft Recommendation K.60 is to guide administrations when considering complaints of interference between telecommunication systems. The revision of K.60 will be finalized in 2014. After reviewed and discussed the TD411 and its attachment, Q9 group had noted the results of discussion and no reply is needed, especially as Q13/9 had taken the lead on this discussion.

**C60** is a contribution document from MIIT of China which had the proposal for modifying the texts of Q9/9. Q9 group reviewed C-60 and noted that the proposal mainly on 4 parts at Motivation, Question, Tasks and Relationships. The proposal for Motivation modifying includes four key aspects: 1) To illustrate importance of advanced services with smart cable services and smart home services, 2) To need certain functional requirement for ensure QoE, 3) To support the reduction for CAPEX and OPEX and 4) To support SDN/NFV technologies. The proposal for Question is add three new study items. The proposal for Tasks is add one new task item. Q8/9 was suggested to add in Relationships with Q9/9.

The group agreed that the proposal in C-60 will be better to understand Question text, explore cooperation and promote contributions. The group adopted the proposal and modified the Q9/9 texts. The output document of ToR Q9/9 is shown as TD 526 Rev.1 (GEN/9).

**C-61** is a contribution document from MIIT of China. The intension of this contribution is to propose for promoting considerations on home cloud technology developing. The key information about home cloud in this document is mainly on market demanding, primary features, future study items and related research work.

The Q9 group reviewed carefully the key point and detail information on the home cloud technologies developing which were given in this document, and believed that this information are very useful for future potential work activities and helpful to promote future potential new recommendations. The group encourages to concern continually the home cloud technologies development and to explore future potential cooperation with Questions, Study Groups and other Standardization Bodies.

**C62** is a contribution document from MIIT of China. The proposal in this contribution is to modify the Recommendation J.lasdp-req by moving the partial text of section 13 to appendix II.

Q9 group review the C62, and check the section 13 texts on ‘IP for Video Applications’ in the draft J.lasdp (TD258/GEN9). The group confirmed that these texts discuss video services transporting mainly over IP core networks and give a good reference on video coding, transporting and distributing.

The group adopted the proposal, and modified the draft recommendation J.lasdp-req based the proposal of C62. The output document is shown as TD525.

**3.6 Question 10/9 (TD 440 Rev.1)**

Question 10/9 met in 5 sessions to discuss three contributions, 2 TDs and 1 incoming liaison statement. There was 1 outgoing liaison statements created at this meeting.

J.arstv-req: Based on C75, group reviewed the latest documents and added some modifications to comply with the ITU-T format correctly. After that, group agreed to submit the output document (TD 571Rev.1) to ask AAP consent in this closing plenary meeting, and send outgoing LS (TD 570) to ITU-R WP6 and ISO/IEC JTC 1/SC 29/WG 11.

J.arstv-spec: Group reviewed the skeleton document proposed by C73 and the following questions raised: (1) some descriptions of proposed scope are confusing and need to be clarified. (2) It is not clear whether Metadata is included in the scope of this recommendation or not. With the note of these questions, group agreed to adopt C73 as a skeleton document for future technical discussion.

**3.7 WP and/or Rapporteur Meetings proposed**

There is no interim WP 2 meeting planned. Sub-clause 4.5 summarizes proposed Rapporteurs’ meeting related to WP 2 Questions.

**3.8 Any other business**

**3.8.1 Incoming Liaison**

**TD 478** is iLS from TSAG on BigData workshop for action. Since cancellation of Q8 meeting session without attendees, the TD was discussed during joint Q5, 8 and 9/9 meeting Monday S4, and decided to return it to WP2 plenary meeting for sharing the initial discussion information. BigData is related to IoT/M2M for data production which could be as the area of Q5/9 and Q9/9, and it is also related to Cloud Computing for data processing and data analysis, which could be as the area of Q8/9. So the joint Q5, 8 and 9/9 could discuss this topic if available and Q8 could be assigned as the leading question at this early stage. Since no concrete activities created so far in SG9, no oLS responded. And the joint group will observe the further progress of BigData topic within ITU-T and keep TSAG informed if SG9 initiated BigData related activities.

**3.8.2 Leadership**

Mr. TaeKyoon Kim from ETRI, Rep. of Korea, was appointed as Vice Chairman of WP2 during SG9 opening plenary meeting.

Mr.Sung-kwon Park from Hanyang University, Rep. of Korea, had been appointed as Associate Rapporteur of Q8/9 during WP2 closing plenary meeting.

**3.8.3 Strategic plan for the study period 2013 – 2016 (Unchanged since December 2013 meeting)**

**Question 4/9:** In the first half of this study period, Question 4/9 will mostly concentrate on the development of new Recommendations related to Integrated Broadcast and Broadband and multiple device integration. This work will lead Question 4/9 to revise relevant J.200 series Recommendations accordingly.

In the latter half of this study period, Question 4/9 will extend the capabilities of the existing Recommendations and create new Recommendations to incorporate rapidly developing interaction technologies for users and devices.

**Question 5/9:** The group decided to introduce some functional profiling to J.rg-spec. Question 5/9 also determined to work on the specifications for each service in different profile (ex. J.rg-spec.1 for profile 1). The group will study cable operator’s and cable customer’s requirements carefully and try to describe specifications to realize the residential gateways timely for commercial use. The design philosophy in J.rg-spec is focused on scalability, on minimizing the use of resources, on optimizing security, on flexibility to support a variety of service required for residential gateway. Another work of Question 5/9 will be an enhancement of hybrid cable STB specification which is applicable for high definition TV contents, such as 4K or 8K video.

**Question 7/9** conveyed their strategic plan via a spreadsheet/grid of their planned activity:

|  |  |  |
| --- | --- | --- |
| **Date** | **Meeting** | **Goals** |
| January 2013 | SG9 | Consent ITU-T J.HiNoC-req (ITU-T J.195.1)  Start new draft Recommendation ITU-T J.vodoc-trans, ITU-T J.vodoc-int, ITU-T J.Cable3DTV-req, ITU-T J.HiNoC-mac |
| April 2013 | Rapporteur | Progress ITU-T J.vodoc-trans, ITU-T J.vodoc-int, ITU-T J.Cable3DTV-req, ITU-T J.HiNoC-mac |
| June 2013 | Rapporteur | Progress ITU-T J.vodoc-trans, ITU-T J.vodoc-int, ITU-T J.Cable3DTV-req, ITU-T J.HiNoC-mac |
| Oct, 2013 | Rapporteur | Progress ITU-T J.vodoc-trans, ITU-T J.vodoc-int, ITU-T J.Cable3DTV-req, ITU-T J.HiNoC-mac |
| December, 2013 | SG9 | Progress ITU-T J.vodoc-trans, ITU-T J.vodoc-int, ITU-T J.Cable3DTV-req, ITU-T J.HiNoC-mac |
| May, 2014 | Rapporteur | Introducing C-DOCSIS (contribution)  Progress ITU-T J.vodoc-trans, ITU-T J.vodoc-int, ITU-T J.Cable3DTV-req, ITU-T J.HiNoC-mac |
| July, 2014 | Rapporteur | Progress ITU-T J.vodoc-trans, ITU-T J.vodoc-int, ITU-T J.Cable3DTV-req, ITU-T J.HiNoC-mac |
| September, 2014 | SG9 | Consent ITU-T J.vodc-trans, ITU-T J.vodoc-int, ITU-T J.Cable3DTV-req, ITU-T J.HiNoC-mac  Start new draft Recommendation on funtional requirement for C-DOCSIS (ITU-T J.CDOCSIS-req)  Start new draft Recommendation on transmission specification for 3DTV over HFC based network (ITU-T J.Cable3DTV-spec)  Introducing DOCSIS 3.1 |
| March 2015 | SG9 | Progress ITU-T J.Cable3DTV-spec, J.AdvHiNoC-req, ITU-T J.CDOCSIS-req |
| Nov, 2015 | SG9 | Progress ITU-T J.Cable3DTV-spec, J.AdvHiNoC-req, ITU-T J.CDOCSIS-req |
| July, 2016 | SG9 | Consent ITU-T J.Cable3DTV-spec, J.AdvHiNoC-req, ITU-T J.CDOCSIS-req |

**Question 8/9:** The group will continue to study the interfaces relative to applications and services as identified in J.700rev, Y.1900, and Y.1910, in such a way that the provisioning and functionality of applications are managed appropriately/efficiently. Question 8/9 also noted that the advent of advanced interactive services will intensify the demand for integrated access and delivery mechanisms, which will create increasing need for the development of more efficient management service/application enablement. This in fact is the impetus for a new work item found in this report, and a significant part of our work plan for the coming study period. With the fast development of IP technology and broadband cable, especially the potential deployment of Cloud Computing technology in the cable industry, Q8/9 will investigate the availability of Cloud Computing based applications and services over IP cable networks and define the related interfaces in the near future.

**Question 9/9:** The objective of the 2013-2016 study period is to create output documents that draft requirement for advanced services at function, structure, hardware, software and APIs, and to incorporate emerging cable network technologies such as IP over Gigabit networks, machine-to-machine / Internet of things (M2M/IoT), Security, Cloud and Hosted Policy Services.

NOTE- Question Text of Q9/9 revised during this meeting and approved by WP2 closing plenary meeting (see TD 526Rev.1).

**Question 10/9:** The group determined 2 stages of development for the coming study period. The first is that for 2013-2014: Continuous work related to the advanced service platform including (1) Digital program insertion platform, (2) Augmented reality, and (3) Target content distribution. The second is that for 2015-2016: Study of advanced service platform to realize the upgrading the existing cable service by using server side technology which including cloud based technology. Assumed services are TV everywhere, more personalized service, and so on.

**4. Summary**

**4.1 Draft new/revised Recommendations proposed for “consent” and/or “determination”**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **#** | **Question** | **Rec** | **Status** | **Title** | **Final TD GEN** | **A.5 justification** |
| 1 | Q4/9 | **J.201** | Revision | Harmonization of declarative content format for interactive television applications | TD 561 | TD 559 |
| 2 | Q4/9 | **J.205** | Corrigendum 2 | Requirements for an application control framework using integrated broadcast and broadband digital television | TD 569 | None |
| 3 | Q7/9 | **J.195.3 (**J.HiNoC-mac) | New | MAC layer specification of high performance network over coax | TD 489 | None |
| 4 | Q7/9 | **J.900** (J.cable3DTV –req) | New | Requirements for Stereoscopic Three Dimensional Television Service over Hybrid Fiber and Coaxial based networks | TD 553 | None |
| 5 | Q10/9 | **J.301 (**J.arstv-req) | New | Requirements of Augmented Reality Smart Television System | TD 571Rev.1 | N/A |

**4.2 Draft new/revised Recommendations proposed for progressing**

| Acronym | Title | Editor | Time Consent / Approval | Reference | Question |
| --- | --- | --- | --- | --- | --- |
| **J.acf-spec** | Specification for Integrated Broadcast and Broadband DTV application control framework | Masaru Takechi  Aguinaldo Boquimpani  Hernan Perrone | 2015 | **TD562 (GEN/9)** | **Q4/9** |
| **J.cab-mob-req (ex.J.cab-mob)** | Requirements for platform functionalities on the integration of cable STB and mobile second screen devices | Masaru Takechi  Tomohiko Takahashi | 2015 | **TD563 (GEN/9)** | **Q4/9** |
| **J.hadi** | Harmonization of APIs for device integration | Masaru Takechi  Aguinaldo Boquimpani | 2015 | **TD134 (GEN/9)** | **Q4/9** |
| **J.rg-spec** | Specification for Residential Gateway | Mayumi Matsumoto | 2015 | **TD 263 (GEN/9)** | **Q5/9** |
| **J.vodoc-trans** | Transmission specification for IP-based switched digital video using Data Over Cable Service Interface Specifications | [Tae Kyoon Kim](mailto:tkkim%3cAT%3eetri.re.kr)  HoSook Lee | 2015 | **TD 386 (GEN/9)** | **Q7/9** |
| **J.vodoc-int** | Control Interface Specifications for IP-based switched digital video using DOCSIS | [Tae Kyoon Kim](mailto:tkkim%3cAT%3eetri.re.kr)  HoSook Lee | 2015 | **TD 137 (GEN/9)** | **Q7/9** |
| **J.iptvappclient** | Description of the Application Client Interface | vacant | 2015 | **TD 145 (GEN/9)** | **Q8/9** |
| **J.multi-man** | Requirements for the Management of services and applications provided via the integration of the differing infrastructures of Multi-Providers | vacant | 2015 | **TD 151 (GEN/9)** | **Q8/9** |
| **J.iptvcontentclient** | Description of the IPTV Content Client Interface | vacant | 2015 | **\*TD 868 (GEN/9)** | **Q8/9** |
| **J.lasdp-req** | Functional and Application Programming Interface Requirements for Local Application and Service Delivery Platform for Cable Networks | Jiansheng Zhang | 2016 | **TD 525 (GEN/9)** | **Q9/9** |
| **J.arstv-spec** | System specifications of Augmented Reality Smart Television Service | Soonchoul Kim | 2015 | **TD 572 (GEN/9)** | **Q10/9** |

Note: \* The documents refer to Previous Study Period (i.e. 2009-2012).

**4.3 Implementer’s Guides, etc. if any**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **#** | **Question** | **Kind of document** | **Status** | **Title** | **Final TD GEN** |
| 1 | **Q4** | ToR | Updated | Draft Terms of Reference of the ITU Intersector Rapporteur Group on  Integrated Broadcast-Broadband systems (IRG-IBB) | TD 560 (GEN/9) |

**4.4 Liaison statements:**

| **#** | **Document** | **Questions** | **WP** | **To** | **For** | **Title** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | **TD 568 (GEN/9)** | Q4/9 | WP 2 | ITU-R WP6B | Information | Reply to ITU-R Working Party 6B on revision of Recommendation J.205 for update of definitions |
| 2 | **TD 567 (GEN/9)** | Q4/9 | WP 2 | ITU-R WP6B | Information | Liaison on recent activities on Recommendations related to Integrated Broadcast-Broadband |
| 3 | **TD 565 Rev.1 (GEN/9)** | Q4/9 | WP 2 | ITU-T SCV | Information | Reply to ITU-T SCV on broadcasting terms and definitions being considered by CCV |
| 4 | **TD 564 (GEN/9)** | Q4/9 | WP 2 | ITU-R SG6 | Information | Liaison reply on support of updated Terms of Reference of IRG-IBB |
| 5 | **TD 566 (GEN/9)** | Q4/9 | WP 2 | ITU-T Q13/16 | Information | Liaison on recent activities on Integrated Broadcast-Broadband Recommendations at Study Group 9 |
| 6 | **TD 540 (GEN/9)** | Q5.9 and 9/9 | WP2 | ITU-T SG15 | Information | LS/o/r on Overview and Work Plan on Smart Grids – request for feedback (reply to SG15 LS146) |
| 7 | **TD 548 (GEN/9)** | Q5.9 and 9/9 | WP2 | ITU-T SG15 | Information | LS/o/r on version 1 of the Home Network Transport (HNT) standardization overview and work plan (reply to SG15 LS123) |
| 8 | **TD 549 (GEN/9)** | Q5.9 and 9/9 | WP2 | ITU-T SG15 | Information | LS/o/r on new versions of the Access Network Transport (ANT) standardization overview and work plan (reply to SG15 LS122) |
| 9 | **TD 550 Rev.2 (GEN/9)** | Q1/9 and 7/9 | WP 1 | ITU-R WP1A, WP5B (for comment), WP5A, WP5C, WP6A (for information) | Comment | Reply Liaison on leakage of radio frequency energy from J.HiNoC systems |
| 10 | **TD 551 Rev.1 (GEN/9)** | Q1/9 and 7/9 | WP 1 | ITU-T SG15, IEEE SA, ETSI TC-Cable, TTC, IEC TC100, SCTE, TTA, ATIS, JCTEA, JLabs, CCSA, Broadband Forum, HomeGrid Forum, HGI, Metro-Ethernet Forum, DVB-TM | Information | AAP Consent of HiNoC-phy/mac |
| 11 | **TD 552 Rev.1 (GEN/9)** | Q1/9 and 7/9 | WP 2 | ITU-R WP6C, ISO/IEC JTC1/WG11 (MPEG), ETSI TC-Cable, SCTE, TTC, TTA | Information | AAP Consent of J.Cable3DTV-req |
| 12 | **TD 556 Rev.1(GEN/9)** | Q7/9 | WP 2 | ITU-T WP1/13 | information | LS/r on draft new Recommendation ITU-T Y.ICN-Reqts “Requirements and capabilities for Information Control Networks and related applications” |
| 13 | **TD 570 (GEN/9)** | Q10/9 | WP 2 | ITU-R Working Party 6C  ISO/IEC JTC 1/SC 29/WG 11. | Information | LS/o on AAP concent of new Recommendation J.arstv-req (“Requirements of Augmented Reality Smart Television System”) |

**4.5 Next Meetings**

| **Question/WP** | **Date** | **Place / Host** | **Terms of reference** | **Contact** |
| --- | --- | --- | --- | --- |
| **Q 4/9** | January 2015(TBD) | E-Meeting  (TBD) | Progress on J.acf-spec, J.cab-mob-req, and J.hadi | [takechi.m-fa@nhk.orjp](mailto:takechi.m-fa@nhk.orjp) |
| **Q 4/9** | April 2015(TBD) | E-Meeting  (TBD) | Progress on J.acf-spec, J.cab-mob-req, and J.hadi | [takechi.m-fa@nhk.orjp](mailto:takechi.m-fa@nhk.orjp) |
| **Joint Q5/9,Q8/9&9/9** | \*December, 2014 or January, 2015(TBD) | Geneva, SG9 | 1) Progress on J.rg-spec, J.iptvappclient and J.lasdp-req  2) Discussion on common topic, such as IoT/M2M, Cloud, etc | [matsumoto@jlabs.or.jp](mailto:matsumoto@jlabs.or.jp)  [sp2996@hanyang.ac.kr](mailto:sp2996@hanyang.ac.kr) [zhangjs@chinabtn.com](mailto:zhangjs@chinabtn.com) |
| **Q8/9** | \*December, 2014 or January, 2015(TBD) | Geneva, SG9 | Discussion on new work item | [sp2996@hanyang.ac.kr](mailto:sp2996@hanyang.ac.kr) |
| **Joint Q5/9&Q8/9** | \*December, 2014 or January, 2015(TBD) | Geneva, SG9 | Discussion on new work item of STB equipped with optical interface | [matsumoto@jlabs.or.jp](mailto:matsumoto@jlabs.or.jp)  [sp2996@hanyang.ac.kr](mailto:sp2996@hanyang.ac.kr) |
| **Joint Q7/9 and Q1/9** | Feb-2015 | TBD | Discussion of new work item if SG9 meeting is not held in Feb. 2015. | [tkkim@etri.re.kr](mailto:tkkim@etri.re.kr)  [sh-sakazawa@kddi.com](mailto:sh-sakazawa@kddi.com) |
| **10/9** | December/2014 | TBD/TBD | Progress on J.arstv-spec | [tk-takahashi@kddi.com](mailto:tk-takahashi@kddi.com) |

\*: If SG9 February meeting is postponed.

## ANNEX 6 Report of Q13/9 – *“Work programme, coordination and planning”*

**1. Introduction**

Question 13/9 was addressed in six sessions during the SG9 meeting in Geneva, under the chairmanship of Mr Satoshi Miyaji (KDDI Corporation, Japan). The group adopted the agenda in TD 519r1 (GEN/9).

The objectives for this meeting were:

* Coordinate with other SDOs, Questions, or Study Groups
* Handling of incoming liaison statements addressed to SG9 as a whole
* Maintenance of SG9 Work Programme

The group of Question 13/9 reviewed one Contribution and eleven incoming liaison statements assigned to Question 13/9. These liaison statements include the topics of conformance and interoperability testing (CIT), coexistence of wired communication with radio communication systems, information requests related to our activities on telecommunication management and software defined network, etc. In addition, the group held a special session to discuss acknowledgement of contributors of Recommendations (Pilot Program based on WTSA-12 Res. 80, mandated by TSAG) chaired by Mr Arthur Webster (NTIA/ITS, USA). The group prepared six outgoing liaison statements, and produced and updated SG9 Work Programme.

**2. Documentation and email list**

**2.1 Documentation**

The list of documents for the meeting is found in [Annex A](#Annex_A).

The following documents were examined:

* Contribution: C65
* TDs: 412, 425, 455, 462, 469, 470, 471, 472, 475, 476, 482, 483, 487, 491, 492, 493, 510, 524r1

The complete documentation for this SG9 meeting is to be found at:

<http://www.itu.int/md/T13-SG09-140908/sum/en>

**2.2 Emailing list subscription**

E-mail correspondences pertaining to the activities of this group are routinely conducted using the e-mail reflector [t13sg9all@lists.itu.int](mailto:t13sg9all@lists.itu.int). Those wishing to subscribe or unsubscribe to this or other SG9 email reflectors should visit the mailing list web page at:

<https://www.itu.int/net4/iwm/?p0=0&p11=ITU&p12=ITU-SEP-ITU-T-SEP-SP%2015-SEP-Study%20Group%209&p21=ITU&p22=ITU>

**3. Discussions**

**3.1 Incoming liaison statements**

**3.1.1 Conformance and interoperability testing**

TD 487 is a liaison statement from SG11 on the Council 2013 C&I Action Items for implementation by ITU-T SGs. The group invited an expert Mr. Denis Andreev from TSB, and had a discussion more in detail on “The living list of Recommendations and related specifications within key technologies suitable for C&I testing.” The group finally understood the accurate objectives of the list, and identified that we had provided improper information particularly for the item 16 and 17. Thus, we prepared an outgoing liaison statement to provide the updated table as contained in TD 577.

TD 491 is a liaison statement from SG11 on conformance and interoperability testing. The group identified that this liaison statement is mainly communicating with SG15. Thus the group noted this liaison statement, and no action was taken.

**3.1.2 Coexistence of wired telecommunications with radio communication systems**

TD 475 and TD 482 are liaison statements from ITU-R WP5B and WP1A, respectively. These liaison statements contain concerns and request us for clarification on propagation model of signal leakage of the equipment based on Recommendation J.195.1 (J.HiNoC-req). Q13/9 consulted with Q1/9 as a lead Question on the physical layer of J.HiNoC-series, and agreed that Q1/9 prepare a reply liaison statement with more detailed explanation on the calculation assumption. The outgoing liaison statement drafted by Q1/9 is found in TD 550r2.

TD 492 is a liaison statement from SG5 informing us of their activity on revision of Recommendation K.60 “Emission levels and test methods for wireline telecommunication networks to minimize electromagnetic disturbance of radio services.” It is described that the revision work has started in their July meeting and its first draft text will be available at the next SG5 meeting in December. The group prepared a reply liaison statement to request them to send the draft when it is ready. The reply liaison statement is found in TD 578.

TD 493 is a liaison statement from SG5 informing us of the latest draft of K.mhn and their plan to circulate a questionnaire to Member States, Sector Members, Academia and Associates to collect actual interference cases between wired and wireless communications. The group agreed that the European standards provided by C65 from Germany should be circulated in this communication loop as other regional standards including FCC regulation of USA, Japanese regulation and Chinese standards were already provided. The reply liaison statement is contained in TD 579.

**3.1.3 DOCSIS standardization in ETSI TC Cable**

TD 462 is a liaison statement from ETSI TC Cable informing us of their latest work program. The group identified that all the work items are of interest to SG9, particularly DOCSIS 3.1 related activities. The group agreed that it would be desirable to have DOCSIS 3.1-series also standardized as ITU-T Recommendations. We prepared an outgoing liaison statement to ETSI TC Cable to inform them of our DOCSIS-related Recommendations having being developed since 1998 as contained in TD 580.

**3.1.4 Terminology definitions**

TD 483 is a liaison statement from ITU-T SCV on broadcasting terms and definitions being considered by CCV. The group identified that it is appropriate that IPTV-related terminologies used in our Recommendation J.700 should refer to Recommendations Y.1901 and Y.1910 rather than to definitions suggested in this liaison statement. The group asked Q4/9 as a lead Question on this liaison statement to incorporate a paragraph stating this situation. The outgoing liaison statement drafted by Q4/9 is found in TD 565r1.

**3.1.5 Requests on activity updates**

TD 412 is a liaison statement from JCA-SDN on SDN standardization activity map. This liaison statement requested us to provide SDN-related activities and a contact point on this topic. The group identified that there is no activities relevant to SDN in SG9 at this time, and agreed to appoint Mr Dong Wang as a contact point to SDN. This appointment is informed to JCA-SDN by the outgoing liaison statement contained in TD 581.

TD 476 is a liaison statement from SG2 on Telecommunication Management and OAM Project Plan requesting us to provide updated information on Recommendations related to telecommunication management. There are no updates on such Recommendations at this time, but the group identified that we need to inform SG2 of the Q9/9 Rapporteur replacement. The reply liaison statement is contained in TD 582.

**3.1.6 Information control network**

TD 425 is a liaison statement from SG13 on draft new Recommendation Y.ICN-reqts titled “Requirements and capabilities for Information Control Networks and related applications.” In this draft new Recommendation, it is described that the key purpose of ICN is to provide various services over existing digital television broadcasting networks. Q13/9 identified that Q7/9 is the most relevant Question on this matter, and agreed with Q7/9 that Q7/9 prepare a reply liaison statement contained in TD 556 Rev.1 to clarify whether or not there are any special requirements to the existing cable television networks.

**3.2 C65 on European standards related to signal emission from cable equipment**

C65 is a Contribution from Germany, which provides European standards (EN) related to signal emission from cable television-related equipment and systems, where three standards are provided as follows; 1) Limits for Cable TV networks (EN 50083-8), 2) Equipment for CATV (EN 50083-2) and 3) Broadcast receivers intended for connection to Cable TV networks (EN 55013). The group agreed that the information on these European standards should be circulated within the relevant parties such as ITU-T SG5 and ITU-R WPs 1A, 4C, 5A, 5B. 5C and 6A, as a reply liaison statement to TD 493 as contained in TD 579.

**3.3 Implementation of WTSA-12 Resolution 80**

The group held a special session on implementation of WTSA-12 Resolution 80 pilot mandated by TSAG. The meeting agenda was contained in TD 524. Based on discussions during the special session, the group drafted a SG9 guideline titled “Implementation details of WTSA-12 Resolution 80 pilot in SG9” as contained in TD 583. The group agreed to propose this guideline for Approval at the Friday Plenary.

**4. Draft new/revised Recommendations proposed for “consent” and/or “determination”**

No Draft Recommendations are proposed for Consent

**Supplements, Handbooks or other documents for approval**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **#** | **Question** | **Kind of document** | **Status** | **Title** | **Final TD GEN** |
| 1 | Q13 | SG9 Guideline | New | Implementation details of WTSA-12 Resolution 80 pilot in SG9 | TD 583 (GEN/9) |

**5. Intellectual property statements**

No IPR statements were received at this meeting.

**6. Outgoing liaison statements**

The following LSs were prepared by the Question:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **#** | **Document** | **Questions** | **WP** | **To** | **For** | **Title** |
| 1 | TD 577 (GEN/9) | Q13/9 | N/A | SG11, JCA-CIT | Info | LS/o/r on request to all SGs to follow up on the Council 2013 C&I Action Items for implementation by ITU-T SGs |
| 2 | TD 578 (GEN/9) | Q13/9 | N/A | WP2/5 | Action | LS/o/r on Recommendation ITU-T K.60 - Coexistence of wired and wireless communication systems |
| ITU-R WPs 1A, 5B and 6A | Info |
| 3 | TD 579 (GEN/9) | Q13/9 | N/A | WP2/5, ITU-R WPs 1A, 4C, 5A, 5B, 5C, and 6A | Info | LS/o/r on Current status on draft Recommendation ITU-T K.mhn and issues related to coexistence of wired telecommunications and radio communication |
| 4 | TD 580 (GEN/9) | Q13/9 | N/A | ETSI TC Cable | Info | LS/o/r on Consent of J.382 and Current Work of TC Cable |
| 5 | TD 581 (GEN/9) | Q13/9 | N/A | JCA-SDN | Info | LS/o/r on SDN standardization activity map |
| 6 | TD 582 (GEN/9) | Q13/9 | N/A | SG2 | Info | LS/o/r on Telecommunication Management and OAM Project Plan |

**7. Work programme**

The SG9 Work Programme can be found at: <http://itu.int/itu-t/workprog/wp_search.aspx?sg=9>

**7.1 New/deleted work items**

The Question did not start any new work items at this meeting.

**7.2 Future meetings**

The following interim Rapporteur’s group meeting is proposed for approval by SG9 meeting (Geneva, 8 – 12 September 2014).

| **Question/WP** | **Date** | **Place / Host** | **Terms of reference** | **Contact** |
| --- | --- | --- | --- | --- |
| **13/9** | February 2015\* | Geneva | To deal with liaisons on interference issue, CIT, etc. | sa-miyaji[at]kddi.com |

\*Note: This interim meeting proposal is valid if the next SG9 meeting is not scheduled in February 2015.

Details will be posted on the ITU-T website: <http://www.itu.int/en/ITU-T/studygroups/2013-2016/09/Pages/meetings.aspx> .

Appendix A:  
Documentation addressed by Questions 13/9

C65: Proposed text with values concerning emissions from cable TV systems related to TD 177

TD 412: LS/i on SDN standardization activity map [from JCA-SDN]

TD 425: LS/i regarding ongoing ITU-T Q2/13 work on Information Control Networks and related applications [from ITU-T WP 1/13]

TD 455: LS/o/r on providing necessary input on activity levels in Questions (reply to TSAG-LS 3) [to TSAG]

TD 462: LS/i/r on Consent of J.382 and Current Work of TC CABLE (reply to SG9 LS 36) [from ETSI TC Cable]

TD 469: LS/o on additional information on regional regulations related to coexistence of wired telecommunications with radiocommunication systems [to SG5 and ITU-R WPs 1A, 5A, 5B and 5C]

TD 470: LS/o/r on coexistence of wired telecommunications with radiocommunication systems (reply to COM5-LS45) [to ITU-T SG5]

TD 471: LS/o/r to SG11 on request to all SGs to follow up on the Council 2013 C&I Action Items for implementation by ITU-T SGs (reply to COM11-LS44r1) [to ITU-T SG11]

TD 472: Report of Question 13/9 rapporteur meeting (Geneva, 26 - 28 May 2014)

TD 475: LS/i on coexistence of wired telecommunications with radiocommunication systems [from ITU-R WP5B]

TD 476: LS/i on Telecommunication Management and OAM Project Plan [from ITU-T SG2]

TD 482: LS/i/r on leakage of radio frequency energy from J.HiNoC systems (reply to COM 9 - LS 33 & LS 56) [from ITU-R WP1A]

TD 483: LS/i on broadcasting terms and definitions being considered by CCV from [from ITU-T SCV

TD 487: LS/i/r on request to all SGs to follow up on the Council 2013 C&I Action Items for implementation by ITU-T SGs (reply to COM9 - LS 68) [from ITU-T SG11]

TD 491: LS/i on updated living list of key technologies, reference table of ITU-T Recommendations which are suitable for C&I and relevant pilot projects [from ITU T SG11]

TD 492: LS/i/r on Recommendation ITU-T K.60 - Coexistence of wired and wireless communication systems (reply to SG9-LS 56, 66, 67; ITU-R WP1A-1A/TEMP/64, 71 and LS19, ITU-R WP5B-5B/TEMP/295, ITU-R WP6A-6A/TEMP/179) [from ITU-T WP2/5]

TD 493: LS/i/r on Current status on draft Recommendation ITU-T K.mhn and issues related to coexistence of wired telecommunications and radio communication (reply to SG9-LS56) [from ITU-T WP2/5]

TD 510: TSAG results from June 2014 meeting

TD 524r1: Proposal for Resolution 80 implementation details

## ANNEX 7 Management team, List of Rapporteurs/Associate Rapporteurs for Questions and liaison officers

**Management Team**

|  |  |
| --- | --- |
| **NAME** | **CONTACT** |
| **Arthur Webster** SG9 Chairman | US Department of Commerce NTIA/ITS 325 Broadway Boulder CO 80 305 United States Tel: +1 303 497 3567 Fax: +1 303 497 5969 E-mail: webster@its.bldrdoc.gov |
| **Antoine Boustani** SG9 Vice-chairman | Ministry of Telcommunications Ryad el Solh Street Beirut Lebanon Tel: +9611979378 E-mail: aboustani@mpt.gov.lb |
| **Ayanzhan Shulembaevich Buldybayev** SG9 Vice-chairman | Kazakhstan E-mail: a\_buldybayev@ctsat.kz |
| **Satoshi Miyaji** SG9 Vice-chairman | KDDI Corporation 3-10-10, Iidabashi, Chiyoda-ku Tokyo, 102-8460 Japan Tel: +81 3 6678 3542 Fax: +81 3 6678 0219 E-mail: sa-miyaji@kddi.com |
| **Habib Tall** SG9 Vice-chairman | Autorité de regulation des postes et telecommunications de Guinée Almamyah Conakry Guinea Tel: +224 30407382 E-mail: modihabib@yahoo.fr |
| **Dong Wang** SG9 Vice-chairman | ZTE Corporation No. 50, Software Avenue, Yuhuatai District, Nanjing City China Tel: +86 25 8801 3438  E-mail: wang.dong@zte.com.cn |
| **Satoshi Miyaji** WP1/9 Chairman | KDDI Corporation 3-10-10, Iidabashi, Chiyoda-ku Tokyo, 102-8460 Japan Tel: +81 3 6678 3542 Fax: +81 3 6678 0219 E-mail: sa-miyaji@kddi.com |
| **Jingfei Cui** WP1/9 Vice-chairman | Academy of Broadcasting Science, SAPPRFT China E-mail: [cuijingfei@abs.ac.cn](mailto:cuijingfei@abs.ac.cn) |
| **Dong Wang** WP2/9 Chairman | ZTE Corporation No. 50, Software Avenue, Yuhuatai District, Nanjing City China Tel: +86 25 8801 4644 Fax: +86 25 8801 4843 E-mail: wang.dong@zte.com.cn |
| **Tae Kyoon Kim** WP2/9 Vice-chairman | ETRI Broadcasting and Telecommunications Convergence Research LAb. Broadcasting System Research Dept./Digital CATV System Research Team 138 Gajeongno, Yuseong-gu, Daejeon 305-700 Korea (Rep. of) Tel: +82 42 860 6917 Fax: +82 42 860 6465 E-mail: tkkim@etri.re.kr |
| **Stefano Polidori** SG9 Advisor | ITU ITU/TSB Place des Nations 1211 Geneva 20 Switzerland Tel: +41 22 730 5858 Fax: +41 22 730 5853 E-mail: stefano.polidori@itu.int |
| **Emma Norton Viard** SG9 Administrative assistant | ITU ITU/TSB Place des Nations 1211 Geneva 20 Switzerland Tel: +41 22 730 5871 Fax: +41 (22) 730 5853 E-mail: emma.norton-viard@itu.int |

**List of Rapporteurs/Associate Rapporteurs for Questions and liaison officers**

|  |  |
| --- | --- |
| QUESTION | CONTACT |
| Q1/9 (WP1/9)  Transmission of television and sound programme signal for contribution, primary distribution and secondary distribution | Shigeyuki Sakazawa Rapporteur  KDDI Corporation 3-10-10, Iidabashi, Chiyoda-ku Tokyo, 102-0072 Japan Tel: +81 49 278 7426 Fax: +81 49 278 7439 E-mail: sh-sakazawa@kddi.com |
| Yangsu Kim Associate rapporteur  ETRI 138 Gajeongno, Yuseong-gu, Daejeon, 305-700 Korea (Republic of) Tel: +82-42-860-1219 Fax: +82-42-860-6465 E-mail: kimys@etri.re.kr |
| Q2/9 (WP1/9)  Measurement and control of the end-to-end quality of service (QoS) for advanced television technologies, from image acquisition to rendering, in contribution, primary distribution and secondary distribution networks | Quan Huynh-Thu Rapporteur  Australia E-mail: Quan.Huynh-Thu@cisra.canon.com.au |
|  | Margaret Pinson Associate rapporteur  NTIA United States Tel: +1 303 497 3579 Fax: +1 303 497 5969 E-mail: [mpinson@its.bldrdoc.gov](mailto:mpinson@its.bldrdoc.gov) |
| Q3/9 (WP1/9)  Methods and practices for conditional access, protection against unauthorized copying and against unauthorized redistribution ("redistribution control" for digital cable television distribution to the home) | Han-Seung Koo Rapporteur  ETRI Broadcasting & Telecommunications Convergence Research Lab Broadcasting Systems Research Dept. 138 Gajeongno, Yuseong-gu Daejeon 305-700 Korea (Rep. of) Tel: +82 42 860 1625 Fax: +82 42 860 6465 E-mail: [koohs@etri.re.kr](mailto:koohs@etri.re.kr) |
| Masaya Shigenobu Associate rapporteur  Japan Cable Laboratories Tel: +81 3 6450 4311 Fax: +81 3 6450 4310 E-mail: [m-shigenobu@jlabs.or.jp](mailto:m-shigenobu@jlabs.or.jp) |
| Q4/9 (WP2/9)  Software components application programming interfaces (APIs), frameworks and overall software architecture for advanced content distribution services within the scope of Study Group 9 | Masaru Takechi Rapporteur  NHK Multimedia Services NHK (Japan Broadcasting Corp.) NHK Tech-Labs 1-10-11, Kinuta Tokyo 157-8510 Japan Tel: +81 3 5494 3430 Fax: +81 3 5494 3177 E-mail: [takechi.m-fa@nhk.or.jp](mailto:takechi.m-fa@nhk.or.jp) |
| Aguinaldo Boquimpani Associate rapporteur  Tel: +55-21-2571-7404 E-mail: [Aguinaldo.boquimpani@yahoo.com](mailto:Aguinaldo.boquimpani@yahoo.com) |
| Q5/9 (WP2/9)  Functional requirements for residential gateway and set-top box for the reception of advanced content distribution services | Mayumi Matsumoto Rapporteur  Japan Cable Laboratories Kowa-shirokanedai Bldg (5th Floor), 3-19-1 Shirokanedai, Minato-ku, Tokyo 108-0071 Japan Tel: +81 3 6450 4311 Fax: +81 3 6450 4310 E-mail: [matsumoto@jlabs.or.jp](mailto:matsumoto@jlabs.or.jp) |
| Dong Wang Associate rapporteur  ZTE Corporation No. 50, Software Avenue, Yuhuatai District, Nanjing City China Tel: +86 25 8801 3438  E-mail: [wang.dong@zte.com.cn](mailto:wang.dong@zte.com.cn) |
| Q6/9 (WP1/9)  Digital programme delivery controls for multiplexing, switching and insertion in compressed bit streams | Satoshi Miyaji Rapporteur  KDDI Corporation 3-10-10, Iidabashi, Chiyoda-ku Tokyo, 102-8460 Japan Tel: +81 3 6678 3542 Fax: +81 3 6678 0219 E-mail: [sa-miyaji@kddi.com](mailto:sa-miyaji@kddi.com) |
| Q7/9 (WP2/9)  Cable television delivery of digital services and applications that use Internet protocol (IP) and/or packet-based data | Tae Kyoon Kim Rapporteur  ETRI Broadcasting and Telecommunications Convergence Research LAb. Broadcasting System Research Dept./Digital CATV System Research Team 138 Gajeongno, Yuseong-gu, Daejeon 305-700 Korea (Rep. of) Tel: +82 42 860 6917 Fax: +82 42 860 6465 E-mail: [tkkim@etri.re.kr](mailto:tkkim@etri.re.kr) |
| Ouyang Feng Associate rapporteur  Academy of Broadcasting Science China E-mail: [ouyangfeng@abs.ac.cn](mailto:ouyangfeng@abs.ac.cn) |
| Q8/9 (WP2/9)  The IP enabled multimedia applications and services for cable television networks enabled by converged platforms | Rapporteur (Vacant)  Dong Wang Acting Rapporteur  ZTE Corporation No. 50, Software Avenue, Yuhuatai District, Nanjing City China Tel: +86 25 8801 3438 E-mail: [wang.dong@zte.com.cn](mailto:wang.dong@zte.com.cn) |
| Sung-kwon Park Associate Rapporteur  Ministry of Information and Communication, Korea 222 Wangshipri-Ro, Sungdong-Gu, Seoul, Korea Tel: +82 2 2220 0367 Fax: +82 2 2281 9912 E-mail: [sp2996@hanyang.ac.kr](mailto:sp2996@hanyang.ac.kr) |
| Q9/9 (WP2/9)  Requirements for advanced service capabilities for broadband cable home networks | Jiansheng Zhang Rapporteur  China Cable Network corporation No.2, Cuiwei Road, Haidian District, Beijing, China, ZipCode:100036 China Tel: +86 88223059 Fax: :+86 88223059 E-mail: [zhangjs@chinabtn.com](mailto:zhangjs@chinabtn.com) |
| Associate Rapporteur (Vacant) |
| Q10/9 (WP2/9)  Requirements, methods, and interfaces of the advanced service platforms to enhance the delivery of sound, television, and other multimedia interactive services over cable television network | Tomohiko Takahashi Rapporteur  KDDI Corporation Japan Tel: +81 49 278 7578 Fax: +81 49 278 7510 E-mail: [tk-takahashi@kddi.com](mailto:tk-takahashi@kddi.com) |
| Thomas Russell Associate Rapporteur  SCTE 140 Philips Road, Exton, PA 19341-1318 Tel: 800-542-5040 Fax: 610-363-5898 E-mail: [trussell@scte.org](mailto:trussell@scte.org) |
| Q11/9 (WP1/9)  Transmission of multichannel analogue and/or digital television signals over optical access networks | Shigeyuki Sakazawa Rapporteur  KDDI Corporation 3-10-10, Iidabashi, Chiyoda-ku Tokyo, 102-0072 Japan Tel: +81 49 278 7426 Fax: +81 49 278 7439 E-mail: [sh-sakazawa@kddi.com](mailto:sh-sakazawa@kddi.com) |
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