Executive summary of the SG 9 meeting (Geneva, 21-25 November 2011)

Study Group 9 meeting was held in Geneva, from 21 - 25 October 2011 and was attended by 38 delegates from 16 countries. Along with face-to-face meetings, ten sessions from various Questions or joint Questions meetings were supported by remote participation capabilities.

1   Draft Recommendations for Consent (AAP/Rec. A.8)

The following table shows 'Consented' draft Recommendations.

#	Question No	Draft new/revised Rec. No.	Title	Final TD PLEN	A.5 justification
1	Q1/9	**J.902** (J.ftvdf)	Multi-layer data structure for scalable view-range representation	[TD 695 (GEN/9)] (Rev.1)	None
2	Q3/9	**J.1001** (J.rcas-req)	Requirements for conditional access client software remote renewable security system	[TD 688 (GEN/9)] (Rev.1)	None
3	Q4/9	**J.205** (J.acf-req)	Requirements for Integrated Broadcast and Broadband DTV application control framework	[TD 717 (GEN/9)]	None
4	Q8/9&10/9	**J.706** (J-tgtdst-overview)	The overview of target content distribution	[TD 714 (GEN/9)]	None
5	Q10/9	**J.707** (J.target-dist)	Messages and protocols enabling target content distribution for integrated broadband cable network	[TD 713 (GEN/9)]	None
6	Q5/9	**J.295** (J.adcstb-req)	Functional Requirements for Advanced Cable Set-Top Box	[TD 684 (GEN/9)] (Rev.2)	[TD 731 (GEN/9)]

2   Supplements and Handbooks

2.1   Supplement

No Supplements were approved at this meeting.

2.2   Handbook

No Handbooks were approved at this meeting.

3.   Questions

No Questions were approved/revised at this meeting.

A new Rapporteur, Mr Shaibal Chakrabarty (CISCO), was appointed for Q9/9 "The extension of network-based content distribution services over broadband in Home Networks".

Yoshinori Goto has resigned as Raporteur for Q11/9 "Transmission of multichannel analogue and/or digital television signals over optical access networks". Q11/9 Rapporteur position is currently vacant.

4.   SG 9 Restructuring

In order to prepare for WTSA 2012, it was agreed to review the current activities of SG 9 and to determine the future structure and work items. This review, which is coordinated by Q14/9, will further progress during the various Questions interim meetings and finalized during next Study Group 9 meeting (30 April-04 May 2012).

The following represents the current discussions/agreements, as per TD 726 (GEN/9), Question 14/9 report:

- Q1 should be kept as it is because Q13 was recently merged into it and the current Q1 already includes the study items for transport of advanced video applications such as ultra high-definition television, 3D television and free-viewpoint television. Q1 does not prefer inclusion of Q11 due to the difference of the expertise. An update of the Q1 Terms of Reference is available as TD 722 to reflect the comments from SG9/SG16 joint Plenary, see also below.
- Q2 should be kept separate from Q12 because Q2 is responsible for quality measurement technology specifically for advanced video applications as mentioned above, whereas Q12 should focus more on multimedia-related quality evaluation technology particularly for multiple format media application such as multi-resolution, multi-frame rate and multi-codec media for multiple devices including multi-room video viewing experiences and gaming using home network.
- Q3 should be kept as it is as an independent Question. It was also mentioned that the Q3 definition needs to be revised for more clear distinction and relationship with SG 17.
- Q4 is considering update of the Question definition to explicitly describe their responsibility to support not only API but also related technologies such as application framework.
- Q5 should be kept as it is and can be recognized as a forward looking Question because it already addresses advanced service provision concept including middleware, multi-platform and cross-platform.
- Q6 should be kept as it is as an independent Question because this Question is responsible also for maintenance of the relevant Recommendations such as J.181, J.189, J.280 and J.286 and possibilities of their revision are indicated by SCTE.
- Q7 should be kept as it is as an independent Question because this Question is very specific to transport and MAC layer technologies for IP over cable networks. It was mentioned that the Q7 definition needs to be modified to clearly describe its study area such as switched digital video (SDV) in addition to the DOCSIS cable modem technology. It was also agreed to eliminate the legacy terminologies like PSTN to keep the study area up-to-date.

- Q8 should be kept as it is as an independent Question and should be more clearly responsible for applications using IP technologies provided via cable television networks to users. It was mentioned that this Question will be responsible for the application layer.
- Q9 should be kept as it is as an independent Question, and it was mentioned that there will be soon a candidate for the Rapporteur. It was agreed that Q9 should be a Question also associated with IoT so that the Question will be a touch point to IoT-GSI from SG 9.
- Q10 should be kept as it is as an independent Question. This Question is responsible for service provision technology and/or mechanisms and it was mentioned that this Question can be positioned at the highest layer as well as Q8. It was pointed out that Q8 and Q10 should develop complementary work because Q8 is responsible for the area of work between "headend and user' and Q10 is responsible for between "headend and service provision platforms, including cloud servers".
- Q11 should be kept as it is as an independent Question. This Question requires different expertise that is not covered by any other Questions. See also Q1.
- Q12 should be kept as it is as an independent Question, and its study area is very different from Q2. See also Q2 above.

The objective of the interim Rapporteur meetings, for what concerns restructuring, is to achieve a stable draft for the texts of all Questions, which will be proposed to next SG 9 meeting, the last meeting before WTSA 2012. For each question it is recommended to determine what has been completed and what is still to be done, based on the current question scope. In addition, SG 9 experts are encouraged to identify new work items for each Question, taking into consideration the trends of current and future ITU-T activities (e.g. FGs, GSIs, JCAs).

The current proposed *(continuation/deletion/merging)* of SG 9 Questions should also be reviewed and enhanced and new Questions could be proposed for integration in SG 9 structure.

Contributions from the ITU Membership in this respect are requested.

5. Outgoing Liaison Statements

The following table shows the list of the 18 agreed liaison statements.

#	WP/9	Question	For:	To:	Title	Reference
1	Plenary	Q14/9	Comment Information	ITU-T Study Group 5 ITU-R WP5D, ITU-R WP6A	OLS - Reply LS on ITU-T work on possible disturbance/interference between radio devices and broadband cable and TV networks	[TD 725-GEN/9]
2	Plenary	Q14/9	Action Information	JCA-CIT, TSAG All ITU-T Study Groups	OLS - Reply to JCA-CIT (Ref: JCA-CIT-LS 4-E) on draft document on CIT needs	[TD 724-GEN/9]
3	Plenary	Q14/9	Information	ITU-T Study Group 2	OLS - Reply LS to SG 2 on report and request in its role as Lead SG on telecommunication management	[TD 723-GEN/9]

4	WP2	Q4/9	Information	ITU-R WP6B	The latest development of draft Recommendation on requirements for application control framework	[TD 720-GEN/9]
5	WP2	Q8/9	Information	ITU-T Study Group 13	OLS - Response to your Liaison relative to Mobile IPTV definition, and your work Y.miptv-req	[TD 712-GEN]
6	WP2	Q5/9	Comment Information	Broad Band Forum (BBF) ITU-T JCA-IoT	OLS / Reply LS for New work items in Broadband Forum concerning Machine-to-Machine (M2M) solutions	[TD 711-GEN/9] (Rev.2)
7	WP2	Q5/9	Comment	ITU-T Study Group 15	OLS / Reply LS for New Recommendation ITU-T G.9973, "Protocol for identifying home network topology"	[TD 710-GEN/9] (Rev.1)
8	WP2	Q5/9	Information	ITU-R Study Group 6	OLS - Reply LS related to "Further work on Power Line Telecommunications"	[TD 709-GEN/9]
9	WP1	Q12/9	Comment	ITU-T Study Group 12 and 16, ITU-R WP6C	OLS to ITU-T SG12, ITU-T SG16, ITU-R WP6C. Quality Related Activities of ITU-T SG9	[TD 705-GEN/9] (Rev.1)
10	WP1	Q12/9	Comment	VQEG, ISO/IEC JTC1/SC29/WG11 (MPEG), 3D@Home, SCTE/HMS	OLS to VQEG, ISO/IEC JTC, 3D@Home and SCTE/HMS. Progress on subjective assessment methods for 3D video quality	[TD 704-GEN/9] (Rev.1)
11	WP1	Q2/9, Q12/9	Comment	VQEG	OLS to VQEG on 3D display requirements and audiovisual quality assessment	[TD 703-GEN/9] (Rev.1)
12	WP1	Q11/9	Comment	ITU-T Study Group 15 (Q1 and Q2)	OLS - Proposed revision of ITU-T Recommendation J.185	[TD 699-GEN/9] (Rev.1)
13	WP1	Q1/9	Comment	ETSI ATTM, DVB-TM, SCTE DVS, ARIB, TTA	OLS on progress of Draft New Recommendation J.atrans-req on Requirements for advanced digital cable transmission technologies	[TD 698-GEN/9] (Rev.1)
14	WP1	Q1/9	Information	ISO/IEC JTC 1/SC29/WG11 (MPEG), ITU-R WP6B and WP6C	OLS - AAP Consent of J.ftvdf - Multi-layer data structure for scalable view-range representation	[TD 697-GEN/9] (Rev.1)
15	WP1	Q1/9	Information	ITU-R WP6C	OLS - 3D broadcasting service and EHRI	[TD 692-GEN/9]

16	WP1	Q3/9	Action	ITU-T Study Group 17	OLS - Reply LS on "LS on definitions and terminology" (Rev.1)	[TD 686-GEN/9] (Rev.1)
17	WP1	Q3/9	Comment	ITU-T Study Group 17, DVB	OLS on development of Draft New Recommendations on CRS network protocol and CRS pairing protocol specifications	[TD 685-GEN/9] (Rev.1)
18	Plenary	Q14/9	Information	TSAG, ITU-T Study Group 16	Qualification of Japan Cable Laboratories according to ITU-T A.4 and A.5	[TD 734-GEN/9]

6.   Work plan for interim Rapporteur meetings

Interim meetings plan as agreed at SG9 Plenary (Geneva, 21-25 November 2011)

#	Q	Meeting Objectives	Meeting Date	Meeting Location
1	Join Q2, 12/9	Progress J.bitvqm, J.mm-noref, J.noref, P.3D-disp-req, P.3D-sam, J.av-dist, J.3D-fatigue, J.src-vq. Work to revise Questions 2 and 12.	12-16 December 2011	Hillsboro, OR, USA
2	Joint Q5, 7 and 8/9	Progress on J.adcstb-spec , J.vodoc-req , J. iptvappclient Work to revise Questions 5, 7 and 8.	1 February 2012 (TBC)	Teleconference
3	Q4/9	Progress on J.acf-req J.cab-mob and J.hadi Work to revise Questions 4	February 2012 (TBD)	TBD
4	Q1/9*	Progress J.atrans-req Work to revise Questions 1	March 2012(TBD)	USA (TBD)
5	Joint Q2, 12/9*	Progress J.bitvqm, J.mm-noref, J.noref, P.3D-disp-req, P.3D-sam, J.av-dist, J.3D-fatigue, J.src-vq.	March 2012(TBD)	USA (TBD)

		Work to revise Questions 2 and 12.		
6	Q3/9*	To progress J.rcas-net and J.rcas-pair Work to revise Questions 3	March 2012(TBD)	USA (TBD)
7	Q4/9*	Progress on J.acf-req J.cab-mob and J.hadi Work to revise Questions 4	March 2012(TBD)	USA (TBD)
8	Joint Q5, 7, 8 and 10/9*	Progress on J.adcstb-spec, J.vodoc-req , J. iptvappclient,and Question revision related works. Work to revise Questions 5, 7, 8 and 10	March 2012(TBD)	USA (TBD)
9	Q14*	To progress drafting work of the SG 9 Questions	March 2012(TBD)	USA (TBD)

Notes:

*   *It indicates that the meetings are collocated.*

7.   Next Study Group 9 meeting:

Geneva , 30 April-04 May 2012

_____