INTERNATIONAL TELECOMMUNICATION UNION

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SG9-LS110

STUDY GROUP 9

Original: English

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Source: ITU-T SG9

Title: LS/r on the new version of the Access Network Transport (ANT) Standards Overview and Work Plan (SG15-LS226) [to ITU-T SG15 and ITU-T TSAG; ITU-T SG12, SG13, SG16, SG17, ITU-R SG1, SG5, SG6, ETSI TC ATTM, IEEE 802.3, BBF]

LIAISON STATEMENT

For action to: ITU-T SG15

For comment to: -

For information to: ITU-T TSAG; ITU-T SG12, SG13, SG16, SG17, ITU-R SG1, SG5, SG6 ETSI TC ATTM, IEEE 802.3, BBF

Approval: **ITU-T SG9 meeting (E-meeting, 23 April 2020)**

Deadline: N/A

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Keywords: ANT Standards; Overview; Work Plan

Abstract: This liaison statement proposes revision of Access Network Transport (ANT) Standards activities in ITU-T SG9.

ITU-T Study Group 9 would like to thank Study Group 15 for informing us about the new version of the Access Network Transport (ANT) Standards Overview and Work Plan(Ref: SG15-LS226).

We have reviewed the liaison statement and would like to propose updates of the table on Organization of ANT Relevant Standards by Transmission Medium and Technology, which can be found in Table 1 with revision marks. ITU-T SG9 invites ITU-T SG15 to review the updates of "Organization of ANT Relevant Standards by Transmission Medium and Technology".

As Mr Kawamura (KDDI Corporation) has been newly appointed as Q1/9 Rapporteur, ITU-T Study Group 9 would like to provide updates of "Contacts" of the ANT Standards Work Plan, as shown in Table 2.

Enclosed are the following tables for your consideration:

- Table 1 – Organization of ANT Relevant Standards by Transmission Medium and Technology

- Table 2 – “Contacts” of the ANT Standards Work Plan

ITU-T SG9 looks forward to keeping continued collaboration with ITU-T SG15.

Table 1 - Organization of ANT Relevant Standards by Transmission Medium and Technology

General Aspects (Gen. Asp.) = General requirements, architecture and functions
Medium: F= Fiber; **C**= Coax; **P**= Twisted pair; **A**= Wireless
Technology: I= ISDN; **D**= DSL; **G**= G.fast; **E**= PtP; **P**= PON; **H**= HFC; **W**= Fixed Wireless Access and Satellite, incl HAPS ; **L**= PLC

Stds Body	Number	Title	Gen. Asp.	Medium				Technology								Public. Date
				F	C	P	A	I	D	G	E	P	H	W	L	
ANSI/ SCTE	ANSI/SCTE 23-1 2017	DOCSIS 1.1 Part 1: Radio Frequency Interface			X								X			2017
ITU-T	J-1 (01/2019)	Terms, definitions and acronyms for television and sound transmission and integrated broadband cable networks	X		X								X			01/2019
ITU-T	J.2 (09/1999)	Guidelines on the use of some ITU-T Recommendations in the J series			X								X			09/1999
ITU-T	J.83 (12/2007)	Digital multi-programme systems for television, sound and data services for cable distribution	X		X								X			12/2007
ITU-T	J.87 (03/2001)	Use of hybrid cable television links for the secondary distribution of television into the user's premises			X								X			03/2001
ITU-T	J.93 (03/1998)	Requirements for conditional access in the secondary distribution of digital television on cable television systems			X								X			03/1998
ITU-T	J.110 (04/1997)	Basic principles for a worldwide common family of systems for the provision of interactive television services			X								X			04/1997
ITU-T	J.111 (03/1998)	Network independent protocols for interactive systems			X								X			03/1998
ITU-T	J.112 (03/1998)	Transmission systems for interactive cable television services			X								X			03/1998
ITU-T	J.112 (03/2001) Annex A	Digital Video Broadcasting: DVB interaction channel for Cable TV (CATV) distribution systems			X								X			03/2001
ITU-T	J.112 (03/2004) Annex B	Data-over-cable service interface specifications: Radio-frequency interface specification			X								X			03/2004
ITU-T	J.112 (03/2002) Annex C	Data-over-cable service interface specifications: Radio-frequency interface specification using QAM technique			X								X			02/2002

Stds Body	Number	Title	Gen. Asp.	Medium				Technology								Public. Date
				F	C	P	A	I	D	G	E	P	H	W	L	
ITU-T	J.122 (12/2007)	Second Generation Transmission Systems for Interactive Cable Television Services – IP Cable Modems			X								X			12/2007
ITU-T	J.125 (12/2007)	Link privacy for cable modem implementations			X								X			12/2007
ITU-T	J.126 (12/2007)	Embedded Cable Modem device specification			X								X			12/2007
ITU-T	J.160 (11/2005)	Architectural framework for the delivery of time-critical services over cable television networks using cable modems			X								X			11/2005
ITU-T	J.184 (03/2001)	Digital Broadband Delivery System: Out Of Band Transport			X								X			03/2001
ITU-T	J.185 (06/2012)	Transmission equipment for transferring multi-channel television signals over optical access networks by frequency modulation conversion		X	X							X				06/2012
ITU-T	J.186 (06/2008)	Transmission equipment for multi-channel television signals over optical access networks by sub-carrier multiplexing (SCM)		X	X							X				06/2008
ITU-T	J.195.1 (03/2016) (J.HiNoC-req)	Functional requirements for high speed transmission over coaxial networks connected with fibre to the building		X	X								X			03/2016 Supersedes Ed.1 03/2013
ITU -T	J.195.2 (10/2014) (J.HiNoC-phy)	Physical layer specification for high speed transmission over coaxial networks			X								X			10/2014
ITU-T	J.195.3 (10/2014) (J.HiNoC-mac)	Medium Access Control layer specification for high speed transmission over coaxial networks			X								X			10/2014
ITU-T	J.196.1 (03/2016) (J.HiNoC2-req)	Functional requirements for second-generation HiNoC			X								X			03/2016
ITU-T	J.196.2 (10/2016) (J.HiNoC2-phy)	Physical layer specification of second generation HiNoC			X								X			10/2016
ITU-T	J.196.3 (10/2016) (J.HiNoC2-mac)	Media Access Control (MAC) layer specification of second generation HiNoC			X								X			10/2016
ITU-T	J.210 (11/2006)	Downstream RF Interface for Cable Modem Termination Systems			X								X			11/2006

Stds Body	Number	Title	Gen. Asp.	Medium				Technology								Public. Date
				F	C	P	A	I	D	G	E	P	H	W	L	
ITU-T	J.211 (11/2006)	Timing Interface for Cable Modem Termination Systems			X								X			11/2006
ITU-T	J.212 (11/2006)	Downstream External PHY Interface for Modular Cable Modem Termination Systems			X								X			11/2006
ITU-T	J.214 (07/2007)	Cable modem TDM emulation interface			X								X			07/2007
ITU-T	J.216 (07/2019)	Second-generation modular headend architecture in systems for interactive cable television services - IP cable modems			X								X			07/2019
ITU-T	J.218 (07/2007)	Cable modem IPv4 and IPv6 eRouter specification			X								X			07/2007
ITU-T	J.222.0 (12/2007)	Third-generation transmission systems for interactive cable television services – IP cable modems: Overview			X								X			12/2007
ITU-T	J.222.1 (07/2007)	Third-generation transmission systems for interactive cable television services – IP cable modems: Physical layer specification			X								X			07/2007
ITU-T	J.222.2 (07/2007)	Third-generation transmission systems for interactive cable television services – IP cable modems: MAC and Upper Layer protocols			X								X			07/2007
ITU-T	J.222.3 (11/2007)	Third-generation transmission systems for interactive cable television services – IP cable modems: Security services			X								X			11/2007
ITU-T	J.223.1 (03/2016)	Functional requirements for Cabinet DOCSIS (C-DOCSIS)			X								X			03/2016
ITU-T	J.223.2 (10/2016)	Cabinet DOCSIS (C-DOCSIS) system specification			X								X			10/2016
ITU-T	J.224 (07/2019)	Fifth-generation transmission systems for interactive cable television services - IP cable modems			X								X			07/2019

Stds Body	Number	Title	Gen. Asp.	Medium				Technology								Public. Date
				F	C	P	A	I	D	G	E	P	H	W	L	
ITU-T	J.225	Fourth-generation transmission systems for interactive cable television services - IP cable modems			X								X			Consent 04/2020
ITU-T	J.381 (09/2012)	Requirements for advanced digital cable transmission technologies			X								X			09/ 2012
ITU-T	J.382 (03/2018)	Advanced digital downstream transmission systems for television, sound and data services for cable distribution			X								X			03/2018
ITU-T	J.1106 (07/2017)	Requirement for radio over IP transmission system			X								X			07/2017
ITU-T	J.1107 (03/2018)	Architecture and specification for radio over IP transmission systems			X								X			03/2018
ITU-T	J.1108 (01/2019)	Transmission specification for radio over IP transmission systems			X								X			01/2019
ITU-T	J.1109 (01/2019)	Requirement for in-band full-duplex in a HFC based network			X								X			01/2019
ITU-T	J Suppl. 1 (11/1998)	Example of linking options between annexes of ITU-T Recommendation J.112 and annexes of ITU-T Recommendation J.83			X								X			11/1998
ITU-T	J Suppl. 2 (11/1998)	Guidelines for the implementation of annex A of Recommendation J.112, "Transmission systems for interactive cable television services" – Example of digital video broadcasting (DVB) interaction channel for cable television distribution			X								X			11/1998
ITU-T	J Suppl. 3 (11/1998)	Guidelines for the implementation of Recommendation J.111 "Network independent protocols" – Example of digital video broadcasting (DVB) systems for interactive services	X		X								X			11/1998
ITU-T	J Suppl. 5 (09/1999)	Guidelines on the use of some ITU-T Recommendations in the J series	X		X								X			09/1999
ITU-T	J Suppl.docsis	Correspondence between CableLabs DOCSIS specifications and ITU-T J-series Recommendations			X								X			04/2020
ITU-T	Y.100 (06/1998)	General overview of the Global Information Infrastructure standards development	X													06/1998

Table 2 – "Contacts" of the ANT Standards Work Plan

Body	Contact person	Link to the Web-Site	Status of contact Notes Liaison Tracking
ITU-T SG9	**Satoshi Miyaji** **Chairman SG 9** **KDDI Corporation, Japan** **sa-miyaji@kddi.com** Kei Kawamura **Rapporteur for Q1/9** **KDDI Corporation** **ki-kawamura @kddi.com**	**http://www.itu.int/en/ITU-T/studygroups/2017-2020/09/Pages/default.aspx**	