



INTERNATIONAL TELECOMMUNICATION UNION

**TELECOMMUNICATION
STANDARDIZATION SECTOR**

STUDY PERIOD 2017-2020

**SG9-LS124
STUDY GROUP 9**

Original: English

Question(s): 10/9

E-meeting, 19-28 April 2021

(Ref.: [SG9-TD1134](#))

Source: ITU-T Study Group 9

Title: LS/r on the new version of the Access Network Transport (ANT) Standards
Overview and Work Plan (Reply to SG15-LS266)

LIAISON STATEMENT

For action to: ITU-T Study Group 15

For comment to: [REDACTED]

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

Approval: ITU-T Study Group 9 meeting (E-meeting, 28 April 2021)

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-LS266](#)).

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 and Table 2 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 one of ANT Relevant Standards is proposed by Q7/9, ITU-T Study Group 9 would like to provide updates of “Contacts” of the ANT Standards Work Plan, as shown in Table 3.

Enclosed are the following tables for your consideration:

- Table 1 – Organization of ANT Relevant Standards by Transmission Medium and Technology
- Table 2 – 5.2 List of ongoing standardization activities in the area of Access Network Transport in other groups within ITU and other Standard Developing Organizations
- Table 3 – “Contacts” of the ANT Standards Work Plan

SG9 looks forward to keeping continued collaboration with 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
ANSI/ SCTE	ANSI/SCTE 23-2 2017	DOCSIS 1.1 Part 2: Baseline Privacy Plus Interface			X								X			2017
ANSI/ SCTE	ANSI/SCTE 23-3 2017	DOCSIS 1.1 Part 3: Operations Support System Interface			X								X			2017
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.481 (ex J.cable-rf- ip)	Requirements of cable network for RF and IP secondary distribution of television programmes			X								X			Approval 04/2021
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.1110 (J.fdx-fspec)	Requirements of cable network for RF and IP secondary distribution of television programmes			X								X			Consented 04/2021
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

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 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. 10 (04/2020)	Correspondence Between CableLabs DOCSIS Specifications and ITU-T J-series Recommendations	X		X								X			04/2020

Table 2 – 5.2 List of ongoing standardization activities in the area of Access Network Transport in other groups within ITU and other Standard Developing Organizations

Item No.	Source	Subject / Title	Comment
15.	ITU-T SG9 <i>TD 487 WPI</i> <i>September 2020</i>	<p>ITU-T SG9: Broadband cable and TV</p> <p>ITU-T Study Group 9 proposes two updates of the table on Organization of ANT Relevant Standards by Transmission Medium and Technology – Annex 2.1 of the ANT Standards Overview document :</p> <ul style="list-style-type: none"> - ITU-T J.1110 (J.fdx-fspec) (04/2021): Functional specification for in-band full-duplex in HFC based network - ITU-T J.481 (ex J.cable-rf-ip) (04/2021): Requirements of cable network for RF and IP secondary distribution of television programmes <p>Work Programme of ITU-T SG9 can be found at following URL: https://www.itu.int/ITU-T/workprog/wp_search.aspx?isn_sp=3925&isn_sg=3929&isn_status=-1,1,3,7&details=0&field=acdefghijo</p>	<p>More information about ITU-T SG9 can be found at following URL: https://www.itu.int/en/ITU-T/studygroups/2017-2020/09/Pages/default.aspx</p>

Table 3 –“Contacts” of the ANT Standards Work Plan

Body	Contact person	Link to the Web-Site	Status of contact Notes Liaison Tracking
ITU-T SG9	<p>Satoshi Miyaji Chairman SG9 KDDI Corporation, Japan sa-miyaji@kddi.com</p> <p>Kei Kawamura Rapporteur for Q1/9 KDDI Corporation ki-kawamura@kddi.com</p> <p>TaeKyoon KIM Rapporteur for Q7/9 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 Email: tkkim[at]etri.re.kr</p>	<p>http://www.itu.int/en/ITU-T/studygroups/2017-2020/09/Pages/default.aspx</p>	