|  |  |  |
| --- | --- | --- |
| ITU logo | INTERNATIONAL TELECOMMUNICATION UNION**TELECOMMUNICATION STANDARDIZATION SECTOR**STUDY PERIOD 2017-2020 | TSAG-TD1238 |
| **TSAG** |
| **Original: English** |
| **Question(s):** | N/A | E-Meeting, 10-17 January 2022 |
| **TD(Ref.:** [SG9-LS152](http://handle.itu.int/11.1002/ls/sp16-sg9-oLS-00152.docx)) |
| **Source:** | ITU-T Study Group 9 |
| **Title:** | LS/r on the new version of the Access Network Transport (ANT) Standards Overview and Work Plan (SG15-LS298) [from ITU-T SG9] |
| **Purpose:** | Information |
| **LIAISON STATEMENT** |
| **For action to:** | ITU-T SG15 |
| **For comment to:** | - |
| **For information to:** | BROADBAND FORUM, ITU-R SG 1, ITU-R SG 5, ITU-R SG 6, IEEE 802.3 Working Group, ETSI TC ATTM, ITU-T SG12, SG13, SG16, SG17, TSAG |
| **Approval:** | ITU-T Study Group 9 meeting (E-meeting, 24 November 2021) |
| **Deadline:** | N/A |
| **Contact:** | Jingyi XueABP, NRTAChina | Tel: +86 187 0133 9136Fax: +86 10 8609 3715E-mail: xuejingyi@abp2003.cn  |
| **Contact:** | Satoshi MiyajiKDDI CorporationJapan | Tel: +81 3 6328 1905 Fax: +81 3 6757 1271E-mail: sa-miyaji@kddi.com  |

This liaison statement answers [SG15-LS298](https://www.itu.int/ifa/t/2017/ls/sg15/sp16-sg15-oLS-00298.docx).

A new liaison statement has been received from SG9.

This liaison statement follows and the original file can be downloaded from the ITU ftp server at <http://handle.itu.int/11.1002/ls/sp16-sg9-oLS-00152.docx>.

|  |  |  |
| --- | --- | --- |
| ITU logo | INTERNATIONAL TELECOMMUNICATION UNION**TELECOMMUNICATIONSTANDARDIZATION SECTOR**STUDY PERIOD 2017-2020 | **SG9-LS152** |
| **STUDY GROUP 9** |
| **Original: English** |
| **Question(s):** | 10/9 | E-meeting, 15-24 November 2021 |
| **(Ref.:** [**SG9-TD1317-R1**](https://www.itu.int/md/T17-SG09-211115-TD-GEN-1317/en)**)** |
| **Source:** | ITU-T Study Group 9 |
| **Title:** | LS/r on the new version of the Access Network Transport (ANT) Standards Overview and Work Plan (SG15-LS298) |
| **LIAISON STATEMENT** |
| **For action to:** | ITU-T SG15 |
| **For comment to:** |  |
| **For information to:** | TSAG; ITU-T SG12, SG13, SG16, SG17, ITU-R SG1, SG5, SG6ETSI TC ATTM, IEEE 802.3, Broadband Forum |
| **Approval:**  | ITU-T Study Group 9 meeting (E-meeting, 24 November 2021) |
| **Deadline:** | N/A |
| **Contact:** | Jingyi XueABP, NRTAChina  | Tel: +86 187 0133 9136Fax: +86 10 8609 3715E-mail: xuejingyi@abp2003.cn |
| **Contact:** | Satoshi MiyajiKDDI CorporationJapan | Tel: +81 3 6328 1905 Fax: +81 3 6757 1271E-mail: sa-miyaji@kddi.com  |

|  |  |
| --- | --- |
| **Keywords:** | ANT Standards; Overview; Work Plan; Updates; |
| **Abstract:** | This liaison statement proposes revision of Access Network Transport (ANT) Standards activities in ITU-T SG9. |

ITU-T SG9 would like to thank SG15 for informing us about the new version of the Access Network Transport (ANT) Standards Overview and Work Plan (Ref: [SG15-LS298](https://www.itu.int/ifa/t/2017/ls/sg15/sp16-sg15-oLS-00266.docx)).

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”, and “5.2 List of ongoing standardization activities in the area of Access Network Transport in other groups within ITU and other Standard Developing Organizations”, which can be found in Table 1 and Table 2 highlighted in yellow.

SG9 invites SG15 to review the updates of the following three Tables.

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**  | **Number** | **Title** | **Gen.****Asp.** | **Medium** | **Technology** | **Public. Date** |
| --- | --- | --- | --- | --- | --- | --- |
| **Body** |  |  |  | **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.198.1(J.HiNoC3-REQ) | Functional requirements for third-generation HiNoC |  |  | X |  |  |  |  |  |  |  | X |  |  | Consented 11/2021 |
| 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 |
| 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** *TD 487 WP1September 2020* | **ITU-T SG9: Broadband cable and TV**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 :- 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- ITU-T J.198.1(J.HiNoC3-REQ) : Functional requirements for third-generation HiNoCWork 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> | 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> |

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

| **Body**  | **Contact person** | **Link to the Web-Site** | **Status of contact****NotesLiaison Tracking** |
| --- | --- | --- | --- |
| ITU-T SG9  | Satoshi MiyajiChairman SG9KDDI Corporation, Japansa-miyaji@kddi.comKei Kawamura Rapporteur for Q1/9KDDI Corporationki-kawamura@kddi.comTaeKyoon KIMRapporteur for Q7/9ETRIBroadcasting and Telecommunications Convergence Research Lab. Broadcasting System Research Dept./Digital CATV System Research Team138 Gajeongno, Yuseong-gu, Daejeon305-700Korea (Rep. of)Tel: +82 42 860 6917Fax: +82 42 860 6465Email: tkkim@etri.re.kr | <http://www.itu.int/en/ITU-T/studygroups/2017-2020/09/Pages/default.aspx> |  |

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_