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| **TSAG** |
| **Original: English** |
| **Question(s):** | | N/A | | E-Meeting, 25-29 October 2021 |
| **TD (Ref.:** [SG9-LS124](http://handle.itu.int/11.1002/ls/sp16-sg9-oLS-00124.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 (Reply to SG15-LS266) [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, ETSI TC ATTM, SG12, SG13, SG16, SG17, TSAG, IEEE.802.3 | |
| **Approval:** | | | ITU-T Study Group 9 meeting (E-meeting, 28 April 2021) | |
| **Deadline:** | | | N/A | |
| **Contact:** | | | Qiong Yao ABP, NRTA China | Tel: +86 10 86093682 Fax: +86 10 86093658 E-mail: [yaoqiong@abp2003.cn](mailto:yaoqiong@abp2003.cn) |
| **Contact:** | | | Satoshi Miyaji KDDI Corporation Japan | Tel: +81 3 6328 1905  Fax: +81 3 6757 1271 E-mail: [sa-miyaji@kddi.com](mailto:sa-miyaji@kddi.com) |

This liaison statement answers [SG15-LS266](https://www.itu.int/ifa/t/2017/ls/sg15/sp16-sg15-oLS-00266.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-00124.docx>.

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| **STUDY GROUP 9** |
| **Original: English** |
| **Question(s):** | | | | 10/9 | | | E-meeting, 19-28 April 2021 |
| **(Ref.:** [**SG9-TD1134**](https://www.itu.int/md/T17-SG09-210419-TD-GEN-1134/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 (Reply to SG15-LS266) | | | |
| **LIAISON STATEMENT** | | | | | | | |
| **For action to:** | | | | | | ITU-T Study Group 15 | |
| **For comment to:** | | | | | |  | |
| **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 | |
| **Contact:** | | | | Qiong Yao ABP, NRTA China | | Tel: +86 10 86093682 Fax: +86 10 86093658 E-mail: [yaoqiong@abp2003.cn](mailto:yaoqiong@abp2003.cn) | |
| **Contact:** | | | Satoshi Miyaji KDDI Corporation Japan | | | | Tel: +81 3 6328 1905  Fax: +81 3 6757 1271 E-mail: [sa-miyaji@kddi.com](mailto:sa-miyaji@kddi.com) |

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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](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, 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** | **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.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**

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| Item No. | Source | Subject / Title | Comment |
| 15. | **ITU-T SG9**  *TD 487 WP1 September 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  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> | 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**  **Notes Liaison Tracking** |
| --- | --- | --- | --- |
| ITU-T SG9 | Satoshi Miyaji Chairman SG9  KDDI Corporation, Japan  [sa-miyaji@kddi.com](mailto:sa-miyaji@kddi.com)  Kei Kawamura  Rapporteur for Q1/9  KDDI Corporation  ki-kawamura[@kddi.com](mailto:@kddi.com)  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 | <http://www.itu.int/en/ITU-T/studygroups/2017-2020/09/Pages/default.aspx> |  |

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