



# UNIÓN INTERNACIONAL DE TELECOMUNICACIONES

*Oficina de Normalización de las Telecomunicaciones*

Ginebra, 16 de febrero de 2022

Ref: **TSB AAP-121**  
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- A las Administraciones de los Estados Miembros de la Unión;
- A los Miembros del Sector UIT-T;
- A los Asociados del UIT-T;
- A las Instituciones Académicas de la UIT

**Copia:**

- A los Presidentes y a los Vicepresidentes de las Comisiones de Estudio del UIT-T;
- Al Director de la Oficina de Desarrollo de las Telecomunicaciones;
- Al Director de la Oficina de Radiocomunicaciones

Asunto: **Situación de las Recomendaciones sometidas al proceso de aprobación alternativo (AAP)**

Muy señora mía/Muy señor mío:

El proceso de aprobación alternativo (AAP) definido en la Recomendación A.8 del UIT-T se aplica a las Recomendaciones que no tienen consecuencias en materia de política o reglamentación y que no requieren, por lo tanto, la consulta formal de los Estados Miembros (véase el número 246B del Convenio de la UIT).

En el **anexo 1** se enumera la lista de los textos cuyo estado ha cambiado con respecto a los anuncios TSB AAP precedentes.

Si desea formular un comentario en relación con una Recomendación sometida al AAP, le alentamos a utilizar el formulario de presentación de comentarios disponible en la página de la Recomendación que figura en el área AAP del sitio web del UIT-T, en la dirección <https://www.itu.int/ITU-T/aap/> (véase también el **anexo 2**). Alternativamente, pueden presentarse comentarios completando el formulario del **anexo 3** y remitiéndolo a la secretaría de la Comisión de Estudio correspondiente.

Le rogamos tenga en cuenta que no se alientan comentarios que se limiten a apoyar la adopción del texto en cuestión.

Le saluda atentamente,

Chaesub Lee  
Director de la Oficina de  
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**Anexos: 3**

## Annex 1

(to TSB AAP-121)

### Status codes used in the AAP announcements:

LC = Last Call

LJ = Last Call Judgment (includes comment resolution)

AR = Additional Review

AJ = Additional Review Judgment (includes comment resolution)

SG = For Study Group approval

A = Approved

AT = Approved with typographic corrections

AC = Approved after Additional Review of Comments

NA = Not approved

TAP = Moved to TAP (ITU-T A.8 / § 5.2)

### ITU-T website entry page:

<https://www.itu.int/ITU-T>

### Alternative approval process (AAP) welcome page:

<https://www.itu.int/ITU-T/aapinfo>

Note – A tutorial on the ITU-T AAP application is available under the AAP welcome page

### ITU-T website AAP Recommendation search page:

<https://www.itu.int/ITU-T/aap/>

### Study Group web pages and contacts:

|       |                                                                                                       |                                                      |
|-------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| SG 2  | <a href="https://www.itu.int/ITU-T/studygroups/com02">https://www.itu.int/ITU-T/studygroups/com02</a> | <a href="mailto:tsbsg2@itu.int">tsbsg2@itu.int</a>   |
| SG 3  | <a href="https://www.itu.int/ITU-T/studygroups/com03">https://www.itu.int/ITU-T/studygroups/com03</a> | <a href="mailto:tsbsg3@itu.int">tsbsg3@itu.int</a>   |
| SG 5  | <a href="https://www.itu.int/ITU-T/studygroups/com05">https://www.itu.int/ITU-T/studygroups/com05</a> | <a href="mailto:tsbsg5@itu.int">tsbsg5@itu.int</a>   |
| SG 9  | <a href="https://www.itu.int/ITU-T/studygroups/com09">https://www.itu.int/ITU-T/studygroups/com09</a> | <a href="mailto:tsbsg9@itu.int">tsbsg9@itu.int</a>   |
| SG 11 | <a href="https://www.itu.int/ITU-T/studygroups/com11">https://www.itu.int/ITU-T/studygroups/com11</a> | <a href="mailto:tsbsg11@itu.int">tsbsg11@itu.int</a> |
| SG 12 | <a href="https://www.itu.int/ITU-T/studygroups/com12">https://www.itu.int/ITU-T/studygroups/com12</a> | <a href="mailto:tsbsg12@itu.int">tsbsg12@itu.int</a> |
| SG 13 | <a href="https://www.itu.int/ITU-T/studygroups/com13">https://www.itu.int/ITU-T/studygroups/com13</a> | <a href="mailto:tsbsg13@itu.int">tsbsg13@itu.int</a> |
| SG 15 | <a href="https://www.itu.int/ITU-T/studygroups/com15">https://www.itu.int/ITU-T/studygroups/com15</a> | <a href="mailto:tsbsg15@itu.int">tsbsg15@itu.int</a> |
| SG 16 | <a href="https://www.itu.int/ITU-T/studygroups/com16">https://www.itu.int/ITU-T/studygroups/com16</a> | <a href="mailto:tsbsg16@itu.int">tsbsg16@itu.int</a> |
| SG 17 | <a href="https://www.itu.int/ITU-T/studygroups/com17">https://www.itu.int/ITU-T/studygroups/com17</a> | <a href="mailto:tsbsg17@itu.int">tsbsg17@itu.int</a> |
| SG 20 | <a href="https://www.itu.int/ITU-T/studygroups/com20">https://www.itu.int/ITU-T/studygroups/com20</a> | <a href="mailto:tsbsg20@itu.int">tsbsg20@itu.int</a> |

Situation concerning Study Group 5 Recommendations under AAP

| Rec #                                          | Title                                                                                                                                    | Last Call (LC) Period |            |           |           | Additional Review (AR) Period |        |           |           | Status |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|-----------|-----------|-------------------------------|--------|-----------|-----------|--------|
|                                                |                                                                                                                                          | LC Start              | LC End     | LC Result | LJ Result | AR Start                      | AR End | AR Result | AJ Result |        |
| <a href="#">L.1016 (L.TWS)</a>                 | Method for Evaluation of the Environmental, Health and Safety Performance of True Wireless Stereo Headphones ( <a href="#">Summary</a> ) | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">L.1035 (L.SM Batteries)</a>        | Sustainable Management of Batteries ( <a href="#">Summary</a> )                                                                          | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">L.1036 (L.ewaste-base station)</a> | Scheduled Waste Management for Base Station (inclusive of e-waste) ( <a href="#">Summary</a> )                                           | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |

Situation concerning Study Group 11 Recommendations under AAP

| Rec #                                   | Title                                                                                                                                 | Last Call (LC) Period |            |           |           | Additional Review (AR) Period |        |           |           | Status |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|-----------|-----------|-------------------------------|--------|-----------|-----------|--------|
|                                         |                                                                                                                                       | LC Start              | LC End     | LC Result | LJ Result | AR Start                      | AR End | AR Result | AJ Result |        |
| <a href="#">Q.3061 (Q.SFPtr)</a>        | Signalling requirements for service function paths load balancing traceroute in service function chaining ( <a href="#">Summary</a> ) | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">Q.3631 (Q.ISDN-SIP)</a>     | Interworking between ISDN and the IP Multimedia (IM) Core Network (CN) subsystem ( <a href="#">Summary</a> )                          | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">Q.3646 (Q.VoLTE-SAO-FP)</a> | Framework and protocols for signalling network analyses and optimization in VoLTE ( <a href="#">Summary</a> )                         | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">Q.4102 (Q.HP2P-pp)</a>      | Hybrid peer-to-peer (P2P) communications: Peer protocol ( <a href="#">Summary</a> )                                                   | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">Q.4103 (Q.HP2P-omp)</a>     | Hybrid peer-to-peer (P2P) communications: Overlay management protocol ( <a href="#">Summary</a> )                                     | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">Q.5003 (Q.FMEC-SRA)</a>     | Signalling requirement and architecture for federated multi-access edge computing ( <a href="#">Summary</a> )                         | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">Q.5024 (Q.IMT2020-PIAS)</a> | Protocol for providing intelligent analysis services in IMT-2020 network ( <a href="#">Summary</a> )                                  | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |

Situation concerning Study Group 13 Recommendations under AAP

| Rec #                                          | Title                                                                                                                                               | Last Call (LC) Period |            |           |           | Additional Review (AR) Period |        |           |           | Status |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|-----------|-----------|-------------------------------|--------|-----------|-----------|--------|
|                                                |                                                                                                                                                     | LC Start              | LC End     | LC Result | LJ Result | AR Start                      | AR End | AR Result | AJ Result |        |
| <a href="#">Y.3078 (Y.ICN-DOS)</a>             | Information centric networking for IMT-2020 and beyond - Requirements and capabilities of data object segmentation ( <a href="#">Summary</a> )      | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">Y.3090 (Y.DTN-ReqArch)</a>         | Digital twin network - Requirements and architecture ( <a href="#">Summary</a> )                                                                    | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">Y.3114 (Y.IMT2020-LC-req-arch)</a> | Future networks including IMT-2020: requirements and functional architecture of lightweight core for dedicated networks ( <a href="#">Summary</a> ) | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">Y.3115 (Y.IMT2020-AIICDN-arch)</a> | AI enabled cross-domain network architectural requirements and framework for future networks including IMT-2020 ( <a href="#">Summary</a> )         | 2022-01-16            | 2022-02-12 | LJ        |           |                               |        |           |           | LJ     |
| <a href="#">Y.3116 (Y.IMT2020-mAI)</a>         | Traffic typization IMT-2020 management based on an artificial intelligent approach ( <a href="#">Summary</a> )                                      | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">Y.3180 (Y.MecTA-ML)</a>            | Mechanism of traffic awareness for application-descriptor-agnostic traffic based on machine learning ( <a href="#">Summary</a> )                    | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">Y.3200 (Y.FMSC-req)</a>            | Fixed, mobile and satellite convergence - Requirements for IMT-2020 network and beyond ( <a href="#">Summary</a> )                                  | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">Y.3505 (Y.3505 (Rev))</a>          | Cloud computing – Overview and functional requirements for data storage federation ( <a href="#">Summary</a> )                                      | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |

| Rec #                                  | Title                                                                                                                | Last Call (LC) Period |            |           |           | Additional Review (AR) Period |        |           |           | Status |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------|------------|-----------|-----------|-------------------------------|--------|-----------|-----------|--------|
|                                        |                                                                                                                      | LC Start              | LC End     | LC Result | LJ Result | AR Start                      | AR End | AR Result | AJ Result |        |
| <a href="#">Y.3528 (Y.ccfrcm)</a>      | Cloud computing - Framework and requirements of container management in inter-cloud ( <a href="#">Summary</a> )      | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">Y.3529 (Y.ccvnf-dm)</a>    | Cloud computing - Data model framework for NaaS OSS virtualized network function ( <a href="#">Summary</a> )         | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">Y.3535 (Y.cccm-reqts)</a>  | Cloud Computing - Functional requirements for container ( <a href="#">Summary</a> )                                  | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">Y.3536 (Y.csb-arch)</a>    | Cloud computing - Functional architecture for cloud service brokerage ( <a href="#">Summary</a> )                    | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">Y.3654 (Y.bDDN-MLMec)</a>  | Big data driven networking - Machine learning mechanism ( <a href="#">Summary</a> )                                  | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">Y.3680 (Y.MLN-Fr)</a>      | Framework of human-like networking ( <a href="#">Summary</a> )                                                       | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">Y.3807 (Y.QKDN_QoS_pa)</a> | Quantum Key Distribution networks - QoS parameters ( <a href="#">Summary</a> )                                       | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">Y.3808 (Y.QKDN frint)</a>  | Framework for integration of quantum key distribution network and secure storage network ( <a href="#">Summary</a> ) | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">Y.3809 (Y.QKDN BM)</a>     | Quantum Key Distribution Networks - Business role-based models ( <a href="#">Summary</a> )                           | 2022-01-16            | 2022-02-12 | LJ        |           |                               |        |           |           | LJ     |

Situation concerning Study Group 15 Recommendations under AAP

| Rec #                                          | Title                                                                                                                        | Last Call (LC) Period |            |           |           | Additional Review (AR) Period |        |           |           | Status |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|-----------|-----------|-------------------------------|--------|-----------|-----------|--------|
|                                                |                                                                                                                              | LC Start              | LC End     | LC Result | LJ Result | AR Start                      | AR End | AR Result | AJ Result |        |
| <a href="#">G.709.4/Y.1331.4 (2020) Cor. 2</a> | OTU25 and OTU50 short-reach interfaces - Corrigendum 2 ( <a href="#">Summary</a> )                                           | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.709/Y.1331 (2020) Amd. 2</a>     | Interfaces for the optical transport network - Amendment 2 ( <a href="#">Summary</a> )                                       | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.781.1</a>                        | Synchronization Layer Functions for packet-based synchronization ( <a href="#">Summary</a> )                                 | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.798 (2017) Amd. 4</a>            | Characteristics of Optical Transport Network Hierarchy Equipment Functional Blocks - Amendment 4 ( <a href="#">Summary</a> ) | 2022-01-16            | 2022-02-12 | LJ        |           |                               |        |           |           | LJ     |
| <a href="#">G.800 (2016) Cor. 1</a>            | Unified functional architecture of transport networks - Corrigendum 1 ( <a href="#">Summary</a> )                            | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.805 (2000) Cor. 1</a>            | Generic functional architecture of transport networks Corrigendum 1 ( <a href="#">Summary</a> )                              | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.873.1 (2017) Amd. 1</a>          | Optical transport network: Linear protection - Amendment 1 ( <a href="#">Summary</a> )                                       | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.984.5</a>                        | Gigabit-capable passive optical networks (G-PON): Enhancement band ( <a href="#">Summary</a> )                               | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.988 (2017) Amd. 5</a>            | ONU management and control interface (OMCI) specification: Amendment 5 ( <a href="#">Summary</a> )                           | 2022-01-16            | 2022-02-12 | LJ        |           |                               |        |           |           | LJ     |
| <a href="#">G.994.1 (2021) Amd. 1</a>          | Handshake procedures for digital subscriber line transceivers - Amendment 1 ( <a href="#">Summary</a> )                      | 2022-01-16            | 2022-02-12 | LJ        |           |                               |        |           |           | LJ     |

| Rec #                                       | Title                                                                                                                                                    | Last Call (LC) Period |            |           |           | Additional Review (AR) Period |        |           |           | Status |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|-----------|-----------|-------------------------------|--------|-----------|-----------|--------|
|                                             |                                                                                                                                                          | LC Start              | LC End     | LC Result | LJ Result | AR Start                      | AR End | AR Result | AJ Result |        |
| <a href="#">G.997.2 (2019) Amd. 3</a>       | Physical layer management for G.fast transceivers: Amendment 3 ( <a href="#">Summary</a> )                                                               | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.997.3 (2021) Amd. 1</a>       | Physical layer management for MGfast transceivers - Amendment 1 ( <a href="#">Summary</a> )                                                              | 2022-01-16            | 2022-02-12 | LJ        |           |                               |        |           |           | LJ     |
| <a href="#">G.7701</a>                      | Common control aspects ( <a href="#">Summary</a> )                                                                                                       | 2022-01-16            | 2022-02-12 | LJ        |           |                               |        |           |           | LJ     |
| <a href="#">G.7702</a>                      | Architecture for SDN control of transport networks ( <a href="#">Summary</a> )                                                                           | 2022-01-16            | 2022-02-12 | LJ        |           |                               |        |           |           | LJ     |
| <a href="#">G.7711/Y.1702</a>               | Generic protocol-neutral information model for transport resources ( <a href="#">Summary</a> )                                                           | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.7712/Y.1703 (2019) Amd. 1</a> | Architecture and specification of data communication network - Amendment 1 ( <a href="#">Summary</a> )                                                   | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.7721.1</a>                    | Data model of synchronization management ( <a href="#">Summary</a> )                                                                                     | 2022-01-16            | 2022-02-12 | LJ        |           |                               |        |           |           | LJ     |
| <a href="#">G.8012/Y.1308</a>               | Ethernet UNI and Ethernet NNI ( <a href="#">Summary</a> )                                                                                                | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.8021/Y.1341</a>               | Characteristics of Ethernet transport network equipment functional blocks ( <a href="#">Summary</a> )                                                    | 2022-01-16            | 2022-02-12 | LJ        |           |                               |        |           |           | LJ     |
| <a href="#">G.8023 (2018) Amd.1</a>         | Characteristics of equipment functional blocks supporting Ethernet physical layer and Flex Ethernet interfaces - Amendment 1 ( <a href="#">Summary</a> ) | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.8032/Y.1344 (2020) Cor. 1</a> | Ethernet ring protection switching - Corrigendum 1 ( <a href="#">Summary</a> )                                                                           | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |

| Rec #                                           | Title                                                                                                                                                                       | Last Call (LC) Period |            |           |           | Additional Review (AR) Period |        |           |           | Status |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|-----------|-----------|-------------------------------|--------|-----------|-----------|--------|
|                                                 |                                                                                                                                                                             | LC Start              | LC End     | LC Result | LJ Result | AR Start                      | AR End | AR Result | AJ Result |        |
| <a href="#">G.8265.1/Y.1365.1 (2021) Amd. 1</a> | Precision time protocol telecom profile for frequency synchronization - Amendment1 ( <a href="#">Summary</a> )                                                              | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.8271.1/Y.1366.1 (2020) Amd. 2</a> | Network limits for time synchronization in Packet networks with full timing support from the network - Amendment 2 ( <a href="#">Summary</a> )                              | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.8273.2/Y.1368.2 (2020) Amd. 1</a> | Timing characteristics of telecom boundary clocks and telecom time slave clocks for use with full timing support from the network - Amendment 1 ( <a href="#">Summary</a> ) | 2022-01-16            | 2022-02-12 | AT        |           |                               |        |           |           | AT     |
| <a href="#">G.8275.1/Y.1369.1 (2020) Amd.3</a>  | Precision time protocol telecom profile for phase/time synchronization with full timing support from the network - Amendment 3 ( <a href="#">Summary</a> )                  | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.8275.2/Y.1369.2 (2020) Amd.3</a>  | Precision time protocol telecom profile for phase/time synchronization with partial timing support from the network - Amendment 3 ( <a href="#">Summary</a> )               | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.8275/Y.1369 (2020) Amd. 2</a>     | Architecture and requirements for packet-based time and phase distribution - Amendment 2 ( <a href="#">Summary</a> )                                                        | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.8310 (2020) Cor. 1</a>            | Architecture of the metro transport network - Corrigendum 1 ( <a href="#">Summary</a> )                                                                                     | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.8312 (2020) Amd. 1</a>            | Interfaces for metro transport networks ( <a href="#">Summary</a> )                                                                                                         | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |

| Rec #                                | Title                                                                                                                                                            | Last Call (LC) Period |            |           |           | Additional Review (AR) Period |        |           |           | Status |
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|                                      |                                                                                                                                                                  | LC Start              | LC End     | LC Result | LJ Result | AR Start                      | AR End | AR Result | AJ Result |        |
| <a href="#">G.8331 (G.mtn-prot)</a>  | Metro transport network (MTN) linear protection ( <a href="#">Summary</a> )                                                                                      | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.9701 (2019) Amd.4</a>  | Fast access to subscriber terminals (G.fast) - Physical layer specification: Amendment 4 ( <a href="#">Summary</a> )                                             | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.9702 (G.fastback)</a>  | Transceiver and system specifications for backhaul applications based on G.fast (G.fastback) ( <a href="#">Summary</a> )                                         | 2022-01-16            | 2022-02-12 | LJ        |           |                               |        |           |           | LJ     |
| <a href="#">G.9711 (2021) Amd. 1</a> | Multi-gigabit fast access to subscriber terminals (MGfast) - Physical layer specification - Amendment 1 ( <a href="#">Summary</a> )                              | 2022-01-16            | 2022-02-12 | LJ        |           |                               |        |           |           | LJ     |
| <a href="#">G.9803 (2018) Amd.2</a>  | Radio over fibre systems - Amendment 2 ( <a href="#">Summary</a> )                                                                                               | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.9805</a>               | Coexistence of Passive Optical Network Systems ( <a href="#">Summary</a> )                                                                                       | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.9806 (2020) Cor. 1</a> | Higher speed bidirectional, single fibre, point-to-point optical access system - Corrigendum 1 ( <a href="#">Summary</a> )                                       | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.9960 (2018) Amd. 3</a> | Unified high-speed wire-line based home networking transceivers - System architecture and physical layer specification - Amendment 3 ( <a href="#">Summary</a> ) | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">G.9961 (2018) Amd. 4</a> | Unified high-speed wireline-based home networking transceivers – Data link layer specification: Amendment 4 ( <a href="#">Summary</a> )                          | 2022-01-16            | 2022-02-12 | LJ        |           |                               |        |           |           | LJ     |

| Rec #                                | Title                                                                                                                                                | Last Call (LC) Period |            |           |           | Additional Review (AR) Period |        |           |           | Status |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|-----------|-----------|-------------------------------|--------|-----------|-----------|--------|
|                                      |                                                                                                                                                      | LC Start              | LC End     | LC Result | LJ Result | AR Start                      | AR End | AR Result | AJ Result |        |
| <a href="#">G.9978 (2018) Amd. 1</a> | Secure admission in G.hn network - Amendment 1 ( <a href="#">Summary</a> )                                                                           | 2022-01-16            | 2022-02-12 | LJ        |           |                               |        |           |           | LJ     |
| <a href="#">L.209 (L.font)</a>       | Requirements for Fibre Optic Network Terminal Box (FONT) ( <a href="#">Summary</a> )                                                                 | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">L.316 (L.cid)</a>        | Cable identification for the construction and maintenance of optical fibre cable networks with optical sensing technique ( <a href="#">Summary</a> ) | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |
| <a href="#">L.400/L.12</a>           | Optical fibre splices ( <a href="#">Summary</a> )                                                                                                    | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |

Situation concerning Study Group 16 Recommendations under AAP

| Rec #                                 | Title                                                                                                                               | Last Call (LC) Period |            |           |           | Additional Review (AR) Period |        |           |           | Status |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|-----------|-----------|-------------------------------|--------|-----------|-----------|--------|
|                                       |                                                                                                                                     | LC Start              | LC End     | LC Result | LJ Result | AR Start                      | AR End | AR Result | AJ Result |        |
| <a href="#">F.743.13 (F.CMEGReqs)</a> | Requirements for cooperation of multiple edge gateways ( <a href="#">Summary</a> )                                                  | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |
| <a href="#">F.743.14 (F.VDSSReqs)</a> | Requirements for video distribution systems ( <a href="#">Summary</a> )                                                             | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |
| <a href="#">F.743.15 (F.MOCN-MS)</a>  | Requirements for multi-operator core network enabled multimedia services ( <a href="#">Summary</a> )                                | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |
| <a href="#">F.743.16 (F.IVS-CRM)</a>  | Requirements for communication resource management in intelligent visual surveillance system ( <a href="#">Summary</a> )            | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |
| <a href="#">F.743.17 (F.CGS-RAS)</a>  | Requirements for cloud gaming system ( <a href="#">Summary</a> )                                                                    | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |
| <a href="#">F.746.12 (F.RIMSReqs)</a> | Requirements for a real-time interactive multimedia service under poor network conditions ( <a href="#">Summary</a> )               | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |
| <a href="#">F.746.13 (F.IMCS)</a>     | Requirements for smart speaker based intelligent multimedia communication system ( <a href="#">Summary</a> )                        | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |
| <a href="#">F.748.14 (F.DH-2D)</a>    | Requirements and evaluation methods of non-interactive 2D real-person digital human application systems ( <a href="#">Summary</a> ) | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |
| <a href="#">F.748.15 (F.DH-FM)</a>    | Framework and metrics for digital human application systems ( <a href="#">Summary</a> )                                             | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |

| Rec #                                 | Title                                                                                                                                  | Last Call (LC) Period |            |           |           | Additional Review (AR) Period |        |           |           | Status |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|-----------|-----------|-------------------------------|--------|-----------|-----------|--------|
|                                       |                                                                                                                                        | LC Start              | LC End     | LC Result | LJ Result | AR Start                      | AR End | AR Result | AJ Result |        |
| <a href="#">F.748.16 (F.MVSregs)</a>  | Requirements for machine vision-based applications and services in smart manufacturing ( <a href="#">Summary</a> )                     | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |
| <a href="#">F.749.15 (F.CUAV-IXS)</a> | Requirements for inspection and examination services using civilian unmanned aerial vehicles ( <a href="#">Summary</a> )               | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |
| <a href="#">F.751.3 (F.DLT-CHM)</a>   | Requirements for change management in DLT-based decentralized applications ( <a href="#">Summary</a> )                                 | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |
| <a href="#">F.751.4 (H.DLT-INV)</a>   | General framework for DLT-based invoices ( <a href="#">Summary</a> )                                                                   | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |
| <a href="#">F.780.1 (V2)</a>          | Framework for telemedicine systems using ultra-high definition imaging ( <a href="#">Summary</a> )                                     | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |
| <a href="#">F.780.2 (F.ACC-TH)</a>    | Accessibility of telehealth services ( <a href="#">Summary</a> )                                                                       | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |
| <a href="#">H.225.0 (V8)</a>          | Call signalling protocols and media stream packetization for packet-based multimedia communication systems ( <a href="#">Summary</a> ) | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |
| <a href="#">H.235.10 (H.235.DTLS)</a> | H.323 security: Support of DTLS for media streams ( <a href="#">Summary</a> )                                                          | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |
| <a href="#">H.245 (V17)</a>           | Control protocol for multimedia communication ( <a href="#">Summary</a> )                                                              | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |
| <a href="#">H.323 (V8)</a>            | Packet-based multimedia communications systems ( <a href="#">Summary</a> )                                                             | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |

| Rec #                               | Title                                                                                | Last Call (LC) Period |            |           |           | Additional Review (AR) Period |        |           |           | Status |
|-------------------------------------|--------------------------------------------------------------------------------------|-----------------------|------------|-----------|-----------|-------------------------------|--------|-----------|-----------|--------|
|                                     |                                                                                      | LC Start              | LC End     | LC Result | LJ Result | AR Start                      | AR End | AR Result | AJ Result |        |
| <a href="#">H.626.5 (V2)</a>        | Architecture for intelligent video surveillance systems ( <a href="#">Summary</a> )  | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |
| <a href="#">H.627.2 (H.HVSProt)</a> | Requirements and protocols for home surveillance systems ( <a href="#">Summary</a> ) | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |
| <a href="#">H.721 (V3)</a>          | IPTV terminal devices: Basic model ( <a href="#">Summary</a> )                       | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |
| <a href="#">H.870 (V2)</a>          | Guidelines for safe listening devices/systems ( <a href="#">Summary</a> )            | 2022-02-16            | 2022-03-15 |           |           |                               |        |           |           | LC     |

Situation concerning Study Group 17 Recommendations under AAP

| Rec #                               | Title                                                                                                           | Last Call (LC) Period |            |           |           | Additional Review (AR) Period |        |           |           | Status |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------|------------|-----------|-----------|-------------------------------|--------|-----------|-----------|--------|
|                                     |                                                                                                                 | LC Start              | LC End     | LC Result | LJ Result | AR Start                      | AR End | AR Result | AJ Result |        |
| <a href="#">X.1712 (2021) Cor.1</a> | Security requirements and measures for QKD networks - key management: Corrigendum 1 ( <a href="#">Summary</a> ) | 2022-01-16            | 2022-02-12 | A         |           |                               |        |           |           | A      |

Situation concerning Study Group 20 Recommendations under AAP

| Rec #                              | Title                                                                                                                                          | Last Call (LC) Period |            |           |           | Additional Review (AR) Period |            |           |           | Status |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|-----------|-----------|-------------------------------|------------|-----------|-----------|--------|
|                                    |                                                                                                                                                | LC Start              | LC End     | LC Result | LJ Result | AR Start                      | AR End     | AR Result | AJ Result |        |
| <a href="#">Y.4903 (Y.4903rev)</a> | Key performance indicators for smart sustainable cities to assess the achievement of sustainable development goals ( <a href="#">Summary</a> ) | 2019-12-16            | 2020-01-12 | LJ        | AR        | 2022-02-16                    | 2022-03-08 |           |           | AR     |



## Annex 2

(to TSB AAP-121)

### Using the on-line comment submission form

#### Comment submission

- 1) Go to AAP search Web page at <https://www.itu.int/ITU-T/aap/>

- 2) Select your Recommendation

| Recommendation_No                    | Title                                                                                                                                                                                                                                                   | Study_Group | State | Consent_Date | Approval_Date | Study_Period | Comment |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|--------------|---------------|--------------|---------|
| <a href="#">G.711.1 (2008) Amd.1</a> | Wideband embedded extension for G.711 pulse code modulation: New Annex A on a reference floating-point implementation for G.711.1 and editorial corrections to the main body text                                                                       | 16          | LC    | 2008-10-03   |               | 2005-2008    |         |
| <a href="#">G.718 (2008) Cor.1</a>   | Frame error robust narrowband and wideband embedded variable bit-rate coding of speech and audio from 8-32 kbit/s: Corrections to fixed-point C-code                                                                                                    | 16          | LC    | 2008-10-03   |               | 2005-2008    |         |
| <a href="#">G.719 (2008) Amd.1</a>   | New Annex A on storage format definitions for G.719, and new Annex B on a reference floating-point implementation for G.719                                                                                                                             | 16          | LC    | 2008-10-03   |               | 2005-2008    |         |
| <a href="#">G.722.2 (2003) Cor.3</a> | Wideband coding of speech at around 16 kbit/s using Adaptive Multi-Rate Wideband (AMR-WB): Corrections to text and C source code in Annex C                                                                                                             | 16          | LC    | 2008-10-03   |               | 2005-2008    |         |
| <a href="#">G.729.1 (2006) Amd.5</a> | G.729-based embedded variable bit-rate coder: An 8-32 kbit/s scalable wideband coder bitstream interoperable with G.729: New Annex D (Reference floating-point implementation for G.729.1 Annex C DTX/CNG) and corrections to the main body and Annex B | 16          | LC    | 2008-10-03   |               | 2005-2008    |         |
| <a href="#">H.264 (2007) Cor.1</a>   | Advanced video coding for generic audiovisual services: corrections and updates                                                                                                                                                                         | 16          | LJ    | 2008-05-02   |               | 2005-2008    | ★       |

Total 6 records match.

- 3) Click the "Submit Comment" button

The screenshot shows the ITU AAP (Administrative Approval Process) interface. At the top, there's a header with the ITU logo and navigation links. Below that, the title of the AAP Recommendation is displayed: "AAP Recommendation: G.711.1 (2008) Amd.1". The interface is divided into several sections: "Basic Information", "Observation", and "AAP Process Details". The "Basic Information" section contains a table with details about the recommendation, including the title, study group (16), current status (LC), consent date (2008-10-03), approval date, study period (2005-2008), provisional name (G.711-WB-Float), IPR (?), and input used for consent (TD 381-WP3). The "Observation" section is currently empty. The "AAP Process Details" section contains a table with columns for Last Call (LC), Additional Review (AR), and Study Group (SG). Below this table, there are links for "LC Text / Summary", "AR Text / Summary", and "SG Documents". At the bottom of the interface, there is a "Submit Comment" button, which is highlighted with a red arrow.

- 4) Complete the on-line form and click on "Submit"

The screenshot shows the ITU AAP online form. The form is divided into several sections. The first section contains fields for "Study group\*", "Announcement number\*", "Recommendation number\*", "Recommendation under\*", "Country", "Administration or Company\*", "Email of contact (for AAP)", "Email of Administration or Company", "Technical contact email", "Sender name\*", "Sender email address\*", and "Telephone". The second section is for "Comments: (Choose as applicable)" with two radio button options: "We do not support this text. Reasons are given in the attachment." and "We support this text on the condition that it be modified as per revision shown in the attachment." The third section is for "Observation:" with a text area. Below the observation field, there is a note: "Comments or revised text should be sent as an attachment in reprocessible format such as RTF or Winword. Revision marks must be shown relative to the text posted by TS8." The fourth section is for "Attach the file:" with a text input field and a "Browse..." button. Below this, there is a checkbox for "No attachment" and a note: "Comments are given in the Observation field, no attachment needed". At the bottom of the form, there is a "Submit" button, which is highlighted with a red arrow. A red arrow also points to the "Submit" button in the previous screenshot.

For more information, read the AAP tutorial on:

<https://www.itu.int/ITU-T/aapinfo/files/AAPTutorial.pdf>

(to TSB AAP-121)

**Recommendations under LC/AR – Comment submission form**

*(Separate form for each Recommendation being commented upon)*

**ITU-T AAP comment submission form**

**Study Group:**

**Announcement number:**

**Recommendation number:**

**Date consented:**

**Recommendation under:**

☐ Last call (LC)

☐ Additional Review (AR)

**Country:**

**Administration/Company:**

**Name of AAP Contact Person:**

**Email of AAP Contact Person:**

**Sender name:**

*(if different from AAP Contact Person)*

**Sender email address:**

**Telephone:**

**Comments:**

*(Choose as applicable)*

☐ We do not support this text. Reasons are given in the attachment.

☐ We support this text on the condition that it be modified as per revision shown in the attachment.

**Observations:**

☐ **No attachment:** Comments are given in the Observation field, no attachment needed

To be returned to: email: *tsbsg....@itu.int*  
[or fax +41 22 730 5853]

Comments or revised text should be sent as an attachment in RTF or WinWord format.  
Revision marks must be shown relative to the text posted by TSB.