



UNIÓN INTERNACIONAL DE  
TELECOMUNICACIONES

*Oficina de Normalización de las Telecomunicaciones*



Ginebra, 16 de agosto de 2017

Ref: **TSB AAP-18** – A las Administraciones de los Estados Miembros de la Unión;  
AAP/CL – A los Miembros del Sector UIT-T;  
– A los Asociados del UIT-T

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**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 <http://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 secretaria 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  
Normalización de las Telecomunicaciones

**Anexos: 3**

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(to TSB AAP-18)

**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:**

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

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

<http://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:**

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

**Study Group web pages and contacts:**

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

Situation concerning Study Group 2 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="#">M.3020</a>	Management interface specification methodology ( <a href="#">Summary</a> )	2017-05-01	2017-05-28	LJ	AR	2017-07-01	2017-07-21	AJ	A	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.1220</a> <a href="#">(L.ENST1overview)</a>	Innovative energy storage technology for stationary use - Part 1: Overview of energy storage ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	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.2241 (Y.fsul)</a>	Service framework to support web objects based ubiquitous self-directed learning ( <a href="#">Summary</a> )	2017-08-16	2017-09-12							LC
<a href="#">Y.3100 (Y.IMT2020-terms)</a>	Terms and definitions for IMT-2020 network ( <a href="#">Summary</a> )	2017-08-16	2017-09-12							LC
<a href="#">Y.3110 (Y.IMT2020-mgmt-req)</a>	IMT-2020 Network Management and Orchestration Requirements ( <a href="#">Summary</a> )	2017-08-16	2017-09-12							LC
<a href="#">Y.3111 (Y.IMT2020-mgmt-frame)</a>	IMT-2020 Network Management and Orchestration Framework ( <a href="#">Summary</a> )	2017-08-16	2017-09-12							LC
<a href="#">Y.3516 (Y.CCIC-arch)</a>	Cloud computing - Functional architecture of inter-cloud computing ( <a href="#">Summary</a> )	2017-08-16	2017-09-12							LC

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.650.3</a>	Test methods for installed single-mode optical fibre cable links ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.709 Cor.1</a>	Interfaces for the optical transport network (OTN): Corrigendum 1 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.798</a>	Characteristics of optical transport network hierarchy equipment functional blocks ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	LJ						LJ
<a href="#">G.806 (2012) Cor.3</a>	Characteristics of transport equipment - Description methodology and generic functionality: Corrigendum 3 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.811.1</a>	Timing characteristics of enhanced primary reference clocks ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.873.1</a>	Optical Transport Network (OTN): Linear protection ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	LJ						LJ
<a href="#">G.873.3 (G.odusmp)</a>	Optical Transport Network (OTN) - Shared Mesh Protection ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	LJ						LJ
<a href="#">G.874</a>	Management aspects of optical transport network elements ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.987.2 (2016) Amd.1</a>	10-Gigabit-capable passive optical networks (XG-PON): Physical media dependent (PMD) layer specification - Amendment 1 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.988</a>	ONU management and control interface (OMCI) specification ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	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.989.2 (2014) Amd.2</a>	40-Gigabit-capable passive optical networks 2 (NG-PON2): Physical media dependent (PMD) layer specification: Amendment 2 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.993.5 (2015) Amd.2</a>	Self-FEXT cancellation (vectoring) for use with VDSL2 transceivers: Amendment 2 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	LJ						LJ
<a href="#">G.994.1 (2012) Amd.9</a>	Handshake procedures for digital subscriber line transceivers: Amendment 9 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	LJ						LJ
<a href="#">G.996.2 (2009) Amd.5</a>	Single-ended line testing for digital subscriber lines (DSL): Amendment 5 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	LJ						LJ
<a href="#">G.997.1 (2012) Amd.7</a>	Physical layer management for digital subscriber line transceivers - Amendment 7 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	LJ						LJ
<a href="#">G.997.2 (2015) Amd.4</a>	Physical layer management for G.fast transceivers: Amendment 4 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	LJ						LJ
<a href="#">G.997.2 (2015) Cor.3</a>	Physical layer management for G.fast transceivers: Corrigendum 3 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.998.4 (2015) Cor.1</a>	Improved impulse noise protection for digital subscriber line (DSL) transceivers - Corrigendum 1 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.7714.1/Y.1705.1</a>	Protocol for automatic discovery in transport networks ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	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.8032 Cor.1</a>	Corrigendum 1 to Recommendation ITU-T G.8032/Y.1344 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.8051/Y.1345 (2015) Amd.1</a>	Management aspects of the Ethernet Transport (ET) capable network element: Amendment 1 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.8112/Y.1371 (2015) Amd.1</a>	Interfaces for the MPLS Transport Profile layer network: Amendment 1 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.8113.2/Y.1372.2 (2015) Amd.1</a>	Operations, administration and maintenance mechanisms for MPLS-TP networks using the tools defined for MPLS: Amendment 1 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.8121/Y.1381 (2016) Amd.1</a>	Characteristics of MPLS-TP equipment functional blocks - Amendment 1 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.8132/Y.1383</a>	MPLS-TP Shared Ring Protection ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.8151/Y.1374</a>	Management aspects of the MPLS-TP network element ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.8263/Y.1363</a>	Timing characteristics of packet-based equipment clocks ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.8271 (2016) Amd.1</a>	Time and phase synchronization aspects of telecommunications networks: Amendment 1 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	AT						AT
<a href="#">G.8271.1/Y.1366.1 (2013)</a>	Network limits for time synchronization in Packet networks ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	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.8271.2/Y.1366.2</a>	Network limits for time synchronization in packet networks with partial timing support from the network ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	AT						AT
<a href="#">G.8272.1/Y.1367.1 Amd.1</a>	Timing characteristics of enhanced primary reference time clocks - Amendment 1 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.8273.2/Y.1368.2 Amd.1</a>	Timing characteristics of telecom boundary clocks and telecom time slave clocks - Amendment 1 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	AT						AT
<a href="#">G.8273.3/Y.1368.3</a>	Timing characteristics of telecom transparent clocks ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	LJ						LJ
<a href="#">G.8275/Y.1369</a>	Architecture and requirements for packet-based time and phase delivery ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.9701 (2014) Amd.4</a>	Fast access to subscriber terminals (G.fast) - Physical layer specification: Amendment 4 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	LJ						LJ
<a href="#">G.9701 (2014) Cor.4</a>	Fast access to subscriber terminals (G.fast) - Physical layer specification: Corrigendum 4 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	LJ						LJ
<a href="#">G.9807.1 Amd.1 (G.XGS-PON)</a>	10-Gigabit-capable symmetric passive optical network (XGS-PON)- Amendment 1 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	LJ						LJ
<a href="#">G.9807.2</a>	10 Gigabit-capable symmetric passive optical networks (XGS-PON): Reach extension ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	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.9903</a>	Narrow-band orthogonal frequency division multiplexing power line communication transceivers for G3-PLC networks ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.9961 (2015) Amd.3</a>	Unified high-speed wire-line based home networking transceivers - Data link layer specification: Amendment 3 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	LJ						LJ
<a href="#">G.9961 (2015) Cor.4</a>	Unified high-speed wire-line based home networking transceivers - Data link layer specification: Corrigendum 4 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.9973</a>	Protocol for identifying home network topology ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.9977 (2016) Cor.1</a>	Mitigation of interference between DSL and PLC - Corrigendum 1 ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">G.9978 (G.996sa)</a>	Secure admission in G.hn network ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	LJ						LJ
<a href="#">L.110 (L.dsa)</a>	Optical fibre cables for direct surface application ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	AT						AT
<a href="#">L.206 (L.oxcon)</a>	Requirements for passive optical nodes: outdoor optical cross connect cabinet ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	A						A
<a href="#">L.404 (L.fmc)</a>	Field mountable single-mode optical fibre connectors ( <a href="#">Summary</a> )	2017-07-16	2017-08-12	AT						AT

Annex 2

(to TSB AAP-18)

Using the on-line comment submission form

Comment submission

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

**Search for Recommendation(s)**

Status:  Under AAP  Approved  Not Approved

Study Period: 2005-2008

Study Group: All **a) Select study group**

Recommendation No.: (e.g. G.993 or G.993.2 or G.vdsl2)

[Advanced Search](#)

Search **b) Click here** Reset

- Select your Recommendation

SEARCH CRITERIA: Status: 'Under AAP' Study Period: '2005-2008' Study Group: '16'

**AAP Recommendations**

Recommendation_No	Title	Study_Group	State	Consent_Date	Approval_Date	Study_Period	Comment
<b>G.711.1 (2008) Amd.1</b>	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	
G.718 (2008) Cor.1	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	
G.719 (2008) Amd.1	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	
G.722.2 (2003) Cor.3	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	
G.729.1 (2006) Amd.5	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	
H.264 (2007) Cor.1	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 web interface. At the top, there is a navigation bar with links for 'AAP Info', 'AAP Search', 'Rec. Under AAP', and 'AAP Announcements'. Below this, the current AAP Recommendation is identified as 'G.711.1 (2008) Amd.1'. The main content area is divided into sections: 'Basic Information', 'Observation', and 'AAP Process Details'. 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', 'LC - Text', 'LC Summary', 'LC - Comments', 'AR - Text / Summary', 'AR - Comments', 'SG Documents', and 'SG Decisions'. At the bottom of the page, a 'Submit Comment' button 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 fields are as follows:

- Study group\*:** SG16
- Announcement number\*:** AAP 92
- Recommendation number\*:** G.711.1 (2008) Amd.1
- Recommendation under\*:**  Last Call (LC)  Additional Review (AR)
- Country:** Adelie Land
- Administration or Company\*:** [Dropdown menu]
- Email of contact (for AAP):** [Dropdown menu]
- Email of Administration or Company:** [Text input field]
- Technical contact email:** [Text input field]
- Sender name\*:** [Text input field]
- Sender email address\*:** [Text input field]
- Telephone:** [Text input field]

**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.

**Observation:** [Text area]

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

**Attach the file:** [File input field]  **Note: Maximum file size is 10 Mb**

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

**Please check your entries and click on Submit to confirm**  **If the submission is successful, you will get an acknowledgement report and receive an email containing this report.**

For more information, read the AAP tutorial on:  
<http://www.itu.int/ITU-T/aapinfo/files/AAPTutorial.pdf>

(to TSB AAP-18)

**Recommendations under LC/AR – Comment submission form**  
*(Separate form for each Recommendation being commented upon)*

**ITU-T AAP comment submission form for the period 2009-2012**

**Study Group:** \_\_\_\_\_

**Announcement number:** \_\_\_\_\_

**Recommendation number:** \_\_\_\_\_

**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.