



Geneva, 16 December 2019

Ref: **TSB AAP-72** – To Administrations of Member States of the Union;  
AAP/CL – To ITU-T Sector Members;  
– To ITU-T Associates;  
Tel: +41 22 730 5860 – To ITU Academia  
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E-mail: [tsbdir@itu.int](mailto:tsbdir@itu.int) **Copy:**  
– To the ITU-T Study Group Chairmen and Vice-Chairmen;  
– To the Director of the Telecommunication Development Bureau;  
– To the Director of the Radiocommunication Bureau

Subject: **Situation concerning Recommendations under the Alternative Approval Process (AAP)**

Dear Sir/Madam,

The Alternative Approval Process (AAP) defined in Recommendation ITU-T A.8 applies to Recommendations that do not have policy or regulatory implications and which, therefore, do not require formal consultation of Member States (see ITU Convention 246B).

**Annex 1** lists those texts whose status has changed compared with previous TSB AAP Announcements.

Any member wishing to submit a comment relative to a Recommendation under AAP is encouraged to use the on-line AAP comment submission form available on the page of the Recommendation via <https://www.itu.int/ITU-T/aap> (see **Annex 2**). Alternatively, comments may be submitted by completing the form in **Annex 3** and sending it to the secretariat of the concerned study group.

Please note that comments that simply support adoption of the text in question are not encouraged.

No AAP announcement will be made on 1 January 2020 since ITU will be closed. Consequently, the AAP comment-submission deadline for some texts has been extended.

Yours faithfully,

Chaesub Lee  
Director of the Telecommunication Standardization Bureau

**Annexes: 3**

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Annex 1

(to TSB AAP-72)

**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.1470 (L.Trajectories)</a>	GHG emissions trajectories for the ICT sector compatible with the UNFCCC Paris Agreement ( <a href="#">Summary</a> )	2019-10-16	2019-11-12	LJ	AR	2019-12-16	2020-01-11			AR

Situation concerning Study Group 12 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="#">E.475 (E.FINAD)</a>	Guidelines for Intelligent Network Analytics and Diagnostics ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<a href="#">G.107.1 (2019) Cor.1</a>	Wideband E-model - Corrigendum 1 ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<a href="#">G.1034 (G.RTM)</a>	QoE metrics for mobile telephony communication during rail travel ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<a href="#">G.1072 (G.OMG)</a>	Opinion Model Predicting Gaming QoE for Cloud Gaming Services ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<a href="#">P.565 (P.VSQMTF)</a>	Framework for creation and performance testing of machine learning based models for the assessment of transmission network impact on speech quality for mobile packet-switched voice services ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<a href="#">P.918 (P.VQD)</a>	Dimension-based Subjective Quality Evaluation for Video Content ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<a href="#">P.1150 (P.ICC)</a>	In-Car Communication Audio Specification ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<a href="#">P.1204 (P.NATS-ph2)</a>	Video quality assessment of streaming services over reliable transport for resolutions up to 4K ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<a href="#">P.1204.3 (P.NATS-ph2)</a>	Video quality assessment of streaming services over reliable transport for resolutions up to 4K with access to full bitstream information ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							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="#">P.1204.4 (P.NATS-ph2)</a>	Video quality assessment of streaming services over reliable transport for resolutions up to 4K with access to full and reduced reference pixel information ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<a href="#">P.1204.5 (P.NATS-ph2)</a>	Video quality assessment of streaming services over reliable transport for resolutions up to 4K with access to transport and received pixel information ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<a href="#">P.1401</a>	Methods, metrics and procedures for statistical evaluation, qualification and comparison of objective quality prediction models ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<a href="#">P.1502 (P.DFSm)</a>	Methodology for QoE testing of digital financial services ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<a href="#">Y.1540</a>	Internet protocol data communication service - IP packet transfer and availability performance parameters ( <a href="#">Summary</a> )	2019-06-01	2019-06-28	LJ	AR	2019-09-16	2019-10-06	AJ	SG	AC
<a href="#">Y.1540 Amd.1</a>	Internet protocol data communication service - IP packet transfer and availability performance parameters - Amendment 1 ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							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.798 (2017) Amd.2</a>	Characteristics of optical transport network hierarchy equipment functional blocks - Amendment 2 ( <a href="#">Summary</a> )	2019-08-01	2019-08-28	LJ	AR	2019-11-16	2019-12-06	AC		AC
<a href="#">G.9804.1 (G.hsp.req)</a>	Higher Speed Passive Optical Networks: Requirements ( <a href="#">Summary</a> )	2019-08-01	2019-08-28	LJ	AR	2019-11-01	2019-11-21	AJ	AC	AC

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.4208 (Y.IoT-EC-rects)</a>	IoT requirements for support of edge computing ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<a href="#">Y.4209 (Y.smartport)</a>	Requirements for interoperation of the smart port with the smart city ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<a href="#">Y.4459 (Y.IoT-Interop)</a>	Digital entity architecture framework for IoT interoperability ( <a href="#">Summary</a> )	2019-01-16	2019-02-12	LJ	AR	2019-12-16	2020-01-11			AR
<a href="#">Y.4461 (Y.SC-OpenData)</a>	Framework of open data in smart cities ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<a href="#">Y.4462 (Y.IoT-ics)</a>	Requirements and functional architecture of open IoT identity correlation service ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<a href="#">Y.4463 (Y.del-fw)</a>	Framework of delegation service for IoT devices ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<a href="#">Y.4464 (Y.IoT-BoT-fw)</a>	Framework of blockchain of things as decentralized service platform ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<a href="#">Y.4465 (Y.IoT-VLC)</a>	Framework of IoT Services based on Visible Light Communications ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<a href="#">Y.4466 (Y.ISG-fr)</a>	Framework of smart greenhouse service ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<a href="#">Y.4467 (Y.AERS-msd)</a>	Minimum set of data structure for automotive emergency response system ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<a href="#">Y.4468 (Y.AERS-mtp)</a>	Minimum set of data transfer protocol for automotive emergency response system ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							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="#">Y.4807 (Y.IoT-Agility)</a>	Agility by design for Telecommunications/ICT Systems Security used in the Internet of Things ( <a href="#">Summary</a> )	2019-12-16	2020-01-12							LC
<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							LC
<a href="#">Y.4904 (Y.SSC-MM)</a>	Smart sustainable cities maturity model ( <a href="#">Summary</a> )	2019-01-16	2019-02-12	LJ	AR	2019-05-16	2019-06-05	SG		AC



Annex 2

(to TSB AAP-72)

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

**AAP Recommendation: G.711.1 (2008) Amd.1**

Work Programme: G.711.1 (2008) Amd.1

Title	Study Group	Current Status	Consent Date	Approval Date	Study Period	Provisional Name	IPR	Input used for Consent
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.711-WB-Float	?	TD 381-WP3

**Observation**

**AAP Process Details**

Last Call (LC)				Additional Review (AR)				Study Group (SG)	
LC Start	LC End	LC Result	LJ Result	AR Start	AR End	AR Result	AJ Result	SG Date	SG Result
2008-10-16	2008-11-12								
[AAP-92]									
LC - Text / Summary				AR - Text / Summary				SG Documents	
<a href="#">LC Text</a> <a href="#">LC Summary</a>									
LC - Comments				AR - Comments				SG Decisions	

Submit Comment

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

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\*:

Email of contact (for AAP):

Email of Administration or Company:

Technical contact email:

Sender name\*:

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.

**Observation:**

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:

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:

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

(to TSB AAP-72)

**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:**  We do not support this text. Reasons are given in the attachment.  
(Choose as applicable)  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.*