



Geneva, 1 September 2020

Ref: **TSB AAP-88** – 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
Fax: +41 22 730 5853
E-mail: 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.

Yours faithfully,

Chaesub Lee
Director of the Telecommunication Standardization Bureau

Annexes: 3

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

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	
L.1023 (L.CE 2)	Assessment method for Circular Scoring (Summary)	2020-06-01	2020-06-28	LJ	AR	2020-09-01	2020-09-21			AR
L.1310 (Revision of ITU-T L.1310)	Energy efficiency metrics and measurement methods for telecommunication equipment (Summary)	2020-06-01	2020-06-28	LJ	AR	2020-09-01	2020-09-21			AR
L.1331 (Revision of ITU-T L.1331)	Assessment of mobile network energy efficiency (Summary)	2020-06-01	2020-06-28	LJ	AR	2020-09-01	2020-09-21			AR

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	
Q.3058 (Q.NGNe-O-SA)	Signalling architecture of orchestration in NGNe (Summary)	2020-09-01	2020-09-28							LC
Q.3059 (Q.SFD)	Signalling requirements for service function discovery (Summary)	2020-09-01	2020-09-28							LC
Q.3060 (Q.ETN-DS)	Signalling architecture of the fast deployment emergency telecommunication network to be used in a natural disaster (Summary)	2020-09-01	2020-09-28							LC
Q.3645 (Q.Pro-DES)	Protocol at interface between two distributed ENUM servers for IMS (Summary)	2020-09-01	2020-09-28							LC
Q.3720 (Q.BNG-PAC)	Procedures for vBNG acceleration with programmable acceleration card (Summary)	2020-09-01	2020-09-28							LC
Q.3915 (Q.BNGP)	Set of parameters of vBNG for monitoring (Summary)	2020-09-01	2020-09-28							LC
Q.3961 (Q.PWS)	Parameters for evaluating bottleneck of web-browsing service (Summary)	2020-09-01	2020-09-28							LC
Q.4062 (Q.FW IoT/Test)	Framework for IoT Testing (Summary)	2020-09-01	2020-09-28							LC
Q.4063 (Q.39 FW Test ID IoT)	The framework of testing of identification systems used in IoT (Summary)	2020-09-01	2020-09-28							LC
Q.4064 (Q.vbng-iop-reqts)	Interoperability testing requirements of virtual Broadband Network Gateway (Summary)	2020-09-01	2020-09-28							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	
Q.4066 (Q.TP_AR)	Testing procedures of Augmented Reality applications (Summary)	2020-09-01	2020-09-28							LC
Q.4100 (Q.HP2P-Arch)	Hybrid peer-to-peer (P2P) communications: Functional architecture (Summary)	2020-09-01	2020-09-28							LC
Q.5052 (Q.DEV_DUI)	Addressing mobile devices with duplicate unique identifier (Summary)	2020-09-01	2020-09-28							LC
X.609.10 (X.mp2p-srds)	Managed P2P communications: Signalling requirements for data streaming (Summary)	2020-09-01	2020-09-28							LC
X.609.9 (X.mp2p-ocmp)	Managed P2P communications: Overlay content management protocol (Summary)	2020-09-01	2020-09-28							LC

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	
Y.2245 (Y.saic)	Service model of the Agriculture Information based Convergence Service (Summary)	2020-09-01	2020-09-28							LC
Y.3055 (Y.trust-pdm)	Framework for Trust based Personal Data Management (Summary)	2020-09-01	2020-09-28							LC
Y.3075 (Y.ICN-RF)	Requirements and capabilities of Information Centric Networking routing and forwarding based on control and user plane separation in IMT-2020 (Summary)	2020-09-01	2020-09-28							LC
Y.3076 (Y.ICN- Edge)	Architecture of ICN-enabled Edge Network in IMT-2020 (Summary)	2020-09-01	2020-09-28							LC
Y.3109 (Y.qos-ec-vr-req)	QoS requirements and framework for virtual reality delivery using mobile edge computing supported by IMT-2020 (Summary)	2020-09-01	2020-09-28							LC
Y.3134 (Y.FMC-ReqMO)	IMT-2020 fixed mobile convergence functional requirements for management and orchestration (Summary)	2020-09-01	2020-09-28							LC
Y.3136 (Y.FMC-SM)	Session management for fixed mobile convergence in IMT-2020 networks (Summary)	2020-09-01	2020-09-28							LC
Y.3150 Rev.	High-level technical characteristics of network softwarization for IMT-2020 (Summary)	2020-09-01	2020-09-28							LC
Y.3155 (Y.IMT2020-ESDP)	Enhanced SDN Data Plane for IMT-2020 (Summary)	2020-09-01	2020-09-28							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	
Y.3156 (Y.IMT2020-NSAA-reqts)	Framework of network slicing with AI-assisted analysis in IMT-2020 networks (Summary)	2020-09-01	2020-09-28							LC
Y.3176 (Y.ML-IMT2020-MP)	Machine learning marketplace integration in future networks including IMT-2020 (Summary)	2020-09-01	2020-09-28							LC
Y.3525 (Y.ccsdaom-reqts)	Cloud computing - Requirements for cloud service development and operation management (Summary)	2020-09-01	2020-09-28							LC
Y.3530 (Y.BaaS-reqts)	Cloud computing - Functional requirements for blockchain as a service (Summary)	2020-09-01	2020-09-28							LC
Y.3531 (Y.MLaaS-reqts)	Cloud computing - Functional requirements for machine learning as a service (Summary)	2020-09-01	2020-09-28							LC
Y.3605 (Y.BD-arch)	Big data - Reference architecture (Summary)	2020-09-01	2020-09-28							LC
Y.3802 (Y.QKDN_Arch)	Quantum key distribution networks - Functional architecture (Summary)	2020-09-01	2020-09-28							LC
Y.3803 (Y.QKDN_KM)	Quantum key distribution networks – Key management (Summary)	2020-09-01	2020-09-28							LC
Y.3804 (Y.QKDN-CM)	Quantum Key Distribution Networks - Control and Management (Summary)	2020-09-01	2020-09-28							LC

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	
H.266 (H.VVC, ex H.FVC)	Versatile video coding (Summary)	2020-08-01	2020-08-28	A						A
H.274 (H.SEI)	Versatile supplemental enhancement information messages for coded video bitstreams (Summary)	2020-08-01	2020-08-28	A						A
T.701.11 (H.ACC.AltText)	Guidance on audio descriptions (twin text of ISO/IEC TS 20071-11:2019, Information technology - Guidance on alternative text for images - Part 11) (Summary)	2020-09-01	2020-09-28							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	
X.510 (X.509prot)	Information technology - Open Systems Interconnection - The Directory: Protocol specifications for secure operations (Summary)	2020-06-16	2020-07-13	LJ	AR	2020-08-01	2020-08-21	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	
Y.4210 (Y.IoT-UM-reqts)	Requirements and use cases for universal communication module of mobile IoT devices (Summary)	2020-08-01	2020-08-28	A						A
Y.4469 (Y.SCCE-arch)	Reference architecture of spare computational capability exposure of IoT devices for smart home (Summary)	2020-08-01	2020-08-28	A						A
Y.4470 (Y.SSC-AISE-arc)	Reference architecture of artificial intelligence service exposure for smart sustainable cities (Summary)	2020-08-01	2020-08-28	A						A
Y.4472 (Y.API4IOT)	Open data application programming interface (APIs) for IoT data in smart cities and communities (Summary)	2020-08-01	2020-08-28	LJ						LJ
Y.4473 (Y.DPM-ST-API)	SensorThings API - Sensing (Summary)	2020-08-01	2020-08-28	A						A
Y.4474 (Y.IoT-VLC-Arch)	Functional architecture for IoT services based on Visible Light Communications (Summary)	2020-08-01	2020-08-28	A						A
Y.4475 (Y.IoT-LISF)	Lightweight intelligent software framework for IoT devices (Summary)	2020-08-01	2020-08-28	A						A
Y.4558 (Y.smoke-detection)	Requirements and functional architecture of smart fire smoke detection service (Summary)	2020-08-01	2020-08-28	A						A
Y.4560 (Y.DPM-BC-ES)	Blockchain-based data exchange and sharing for supporting Internet of things and smart cities and communities (Summary)	2020-08-01	2020-08-28	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	
Y.4561 (Y.DPM-BC-DM)	Blockchain-based Data Management for supporting Internet of things and smart cities and communities (Summary)	2020-08-01	2020-08-28	A						A
Y.4808 (Y.IoT-DA-Counterfeit)	Digital entity architecture framework to combat counterfeiting in IoT (Summary)	2020-08-01	2020-08-28	A						A
Y.4907 (Y.SSC-BKDMS-arc)	Reference architecture of blockchain-based unified KPI data management for smart sustainable cities (Summary)	2020-08-01	2020-08-28	A						A

Annex 2

(to TSB AAP-88)

Using the on-line comment submission form

Comment submission

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

- Select your Recommendation

Recommendation_No	Title	Study_Group	State	Consent_Date	Approval_Date	Study_Period	Comment
G.711.1 (2008) Amd.1	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

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	
LC Text LC Summary									
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-88)

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.