



Geneva, 16/12/2023

Ref: **TSB AAP-42**
AAP/SO

- To Administrations of Member States of the Union;
- To ITU-T Sector Members;
- To ITU-T Associates;
- To ITU Academia

Tel: +41 22 730 5860

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/t/aap/aap-recs> (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,

Seizo Onoe
Director of the Telecommunication Standardization Bureau

Annexes: 3

Result of AAP-42:

Total Recommendations under AAP: 95

Total Recommendations Approved: 37

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/t/aap/about-aap>

ITU-T AAP Recommendation website:

<https://www.itu.int/t/aap/aap-recs>

Study Group web pages and contacts:

SG2	https://www.itu.int/go/tsg2	tsbsg2@itu.int
SG3	https://www.itu.int/go/tsg3	tsbsg3@itu.int
SG5	https://www.itu.int/go/tsg5	tsbsg5@itu.int
SG9	https://www.itu.int/go/tsg9	tsbsg9@itu.int
SG11	https://www.itu.int/go/tsg11	tsbsg11@itu.int
SG12	https://www.itu.int/go/tsg12	tsbsg12@itu.int
SG13	https://www.itu.int/go/tsg13	tsbsg13@itu.int
SG15	https://www.itu.int/go/tsg15	tsbsg15@itu.int
SG16	https://www.itu.int/go/tsg16	tsbsg16@itu.int
SG17	https://www.itu.int/go/tsg17	tsbsg17@itu.int
SG20	https://www.itu.int/go/tsg20	tsbsg20@itu.int

Situation concerning Study Group 5 Recommendations under AAP

Rec #	Title	Last Call (LC)			Additional Review (AR)			Status
		Start / End	LC Result	LJ Result	Start / End	AR Result	AJ Result	
L.1307 (L.EEMDC)	Energy Efficiency in Micro Data Centre for Edge Computing (Summary)	2023-12-16 2024-01-12						LC
L.1391 (L.5G sharing)	Specification of 5G network sharing and co-construction adapting to climate change mitigation (Summary)	2023-12-16 2024-01-12						LC
L.1508 (L.CAcoast)	Framework for climate change adaptation in coastal cities using ICT and digital technologies (Summary)	2023-12-16 2024-01-12						LC
L.1640 (L.DMA)	Methodology for dynamic monitoring and analysis of greenhouse gas emissions in city (Summary)	2023-12-16 2024-01-12						LC

Situation concerning Study Group 9 Recommendations under AAP

Rec #	Title	Last Call (LC)			Additional Review (AR)			Status
		Start / End	LC Result	LJ Result	Start / End	AR Result	AJ Result	
J.1	Terms, definitions and acronyms for television and sound transmission and integrated broadband cable networks (Summary)	2023-12-16 2024-01-12						LC
J.198.2 (J.HiNoC3-PHY)	Physical layer specification for third-generation HiNoC (Summary)	2023-12-16 2024-01-12						LC
J.198.3 (J.HiNoC3-MAC)	MAC layer specification for third-generation HiNoC (Summary)	2023-12-16 2024-01-12						LC
J.484 (J.cable-mabr)	Requirements of multicast adaptive bitrate (M-ABR) IP delivery (Summary)	2023-06-16 2023-07-13	LJ	AR	2023-09-01 2023-09-21	SG		AC
J.1206 (J.stvos-api)	The application programming interface of smart TV operating system (Summary)	2023-12-16 2024-01-12						LC

Situation concerning Study Group 11 Recommendations under AAP

Rec #	Title	Last Call (LC)			Additional Review (AR)			Status
		Start / End	LC Result	LJ Result	Start / End	AR Result	AJ Result	
Q.763 (1999) Amd.7 (Q.763.amd)	Signalling System No. 7 - ISDN User Part formats and codes. Amendment 7. Extensions for the support for the calling line identification authentication. (Summary)	2023-11-16 2023-12-13	A					A
Q.931 (1998) Amd.2 (Q.931.amd)	ISDN user-network interface layer 3 specification for basic call control. Amendment 2. Extensions for the support for the calling line identification authentication. (Summary)	2023-11-16 2023-12-13	A					A
Q.1902.3 (2001) Amd.6 (Q.1902.3.amd)	Bearer Independent Call Control protocol (Capability Set 2) and Signalling System No. 7 ISDN user part: Formats and codes. Amendment 6. Extensions for the support for the calling line identification authentication. (Summary)	2023-11-16 2023-12-13	A					A
Q.3962 (Q.joint tr)	Requirements and Reference Model for optimized traceroute of joint Internet Protocol/Multi-Protocol Label Switching (Summary)	2023-11-16 2023-12-13	A					A
Q.4045 (Q.N-att-framework)	Framework of network function virtualization automated testing (Summary)	2023-11-16 2023-12-13	A					A
Q.4046 (Q.BaaS-iop-reqts)	Interoperability testing requirements of blockchain as a service (Summary)	2023-11-16 2023-12-13	A					A
Q.4071 (Q.UHD-T)	The testing of 3D ultra high density IoT networks (Summary)	2023-11-16 2023-12-13	A					A
Q.4141 (Q.BNG-INC)	Requirements and signalling of intelligence control for the border network gateway in computing power network (Summary)	2023-11-16 2023-12-13	A					A
Q.4160 (Q.QKDN_profr)	Quantum key distribution networks - Protocol framework (Summary)	2023-11-16 2023-12-13	A					A
Q.4161 (Q.QKDN_Ak)	Protocols for Ak interface for quantum key distribution network (Summary)	2023-11-16 2023-12-13	A					A
Q.4162 (Q.QKDN_Kq-1)	Protocols for Kq-1 interface for quantum key distribution network (Summary)	2023-11-16 2023-12-13	A					A
Q.4163 (Q.QKDN_Kx)	Protocols for Kx interface for quantum key distribution network (Summary)	2023-11-16 2023-12-13	A					A
Q.4164 (Q.QKDN_Ck)	Protocols for Ck interface for quantum key distribution network (Summary)	2023-11-16 2023-12-13	A					A
Q.5007 (Q.IEC-PRO)	Signalling architecture for microservices based intelligent edge computing (Summary)	2023-11-16 2023-12-13	A					A

Rec #		Last Call (LC)			Additional Review (AR)			Status
		Start / End	LC Result	LJ Result	Start / End	AR Result	AJ Result	
Q.5008 (Q.AIS-SRA)	Signalling requirements and architecture to support AI based vertical services in future network, IMT2020 and beyond (Summary)	2023-11-16 2023-12-13	A					A
Q.5028 (Q.IEC-SAINF)	Data management interfaces for intelligent edge computing-based smart agriculture service (Summary)	2023-11-16 2023-12-13	A					A

Situation concerning Study Group 13 Recommendations under AAP

Rec #	Title	Last Call (LC)			Additional Review (AR)			Status
		Start / End	LC Result	LJ Result	Start / End	AR Result	AJ Result	
Y2073 (Y.energy-brokerage)	Framework of trusted electricity brokerage for distributed energy resources (Summary)	2023-04-16 2023-05-13	LJ	SG				AT
Y2325 (Y.Arch NGNe ncp)	Architectural evolution for Next Generation Network control plane by applying Software-Defined Networking technology (Summary)	2023-11-16 2023-12-13	A					A
Y2344 (Y.IBN-reqts)	Scenarios and requirements of Intent-Based Network for network evolution (Summary)	2022-09-01 2022-09-28	LJ	AR	2023-12-16 2024-01-12			AR
Y2346 (Y.SFO)	Requirements and framework of Service Function Orchestration based on service function chaining (Summary)	2023-11-16 2023-12-13	A					A
Y3059 (Y.Trust-Registry)	Trust Registry for Devices: requirements, architectural framework (Summary)	2023-11-16 2023-12-13	LJ					LJ
Y3061 (Y.AN-Arch-fw)	Autonomous Networks - Architecture framework (Summary)	2023-11-16 2023-12-13	A					A
Y3091 (Y.DTN-CapLevel)	Digital twin network - Capability levels and evaluation methods (Summary)	2023-11-16 2023-12-13	A					A
Y3126 (Y.det-qos-rf-intwk-lan)	QoS requirements and framework of interworking capability for supporting deterministic communication services in local area network for IMT-2020 and beyond (Summary)	2023-11-16 2023-12-13	A					A
Y3127 (Y.IMT2020-SOCN-req-frame)	Future networks including IMT-2020 - Requirements and framework for self-organizing core network (Summary)	2023-11-16 2023-12-13	A					A
Y3128 (Y.IMT2020-NFC-req)	Requirements for network function communication between Public Networks and public network integrated Non-Public Networks in IMT-2020 (Summary)	2023-11-16 2023-12-13	A					A
Y3141 (Y.IMT2020-REEM)	Energy efficiency management of virtual resources in IMT-2020 networks and beyond (Summary)	2023-11-16 2023-12-13	A					A
Y3161 (Y.IMT2020-IBNMO)	Intent-based network management and orchestration for network slicing in IMT-2020 networks and beyond (Summary)	2023-11-16 2023-12-13	A					A
Y3185 (Y.Arch-INRA)	Functional architecture for intelligent awareness of network requirements (Summary)	2023-11-16 2023-12-13	AT					AT
Y3205 (Y.FMSC-IUSU-req)	Fixed, mobile and satellite convergence - Requirements of integrated user-centric service units (Summary)	2023-11-16 2023-12-13	A					A

Rec #	Title	Last Call (LC)			Additional Review (AR)			Status
		Start / End	LC Result	LJ Result	Start / End	AR Result	AJ Result	
Y3206 (Y.FMSC-CE)	Fixed, mobile and satellite convergence - Capability exposure for IMT-2020 networks and beyond (Summary)	2023-11-16 2023-12-13	A					A
Y3400 (Y.IMT2020-CNC-req)	Coordination of networking and computing in IMT-2020 networks and beyond - Requirements (Summary)	2023-11-16 2023-12-13	A					A
Y3533 (Y.RaaS-reqts)	Cloud computing - Functional requirements for robotics as a service (Summary)	2023-11-16 2023-12-13	A					A
Y3550 (Y.ccabom-reqts)	Cloud computing - Requirements for AI based cloud service development and operation management (Summary)	2023-11-16 2023-12-13	A					A
Y3657 (Y.bDDN-NVReqCap)	Big data driven networking- requirements and capabilities of network visibility (Summary)	2023-11-16 2023-12-13	A					A
Y3819 (Y.QKDN-amc)	Quantum key distribution networks Requirements and architectural model for autonomic management and control enablement (Summary)	2023-11-16 2023-12-13	A					A

Situation concerning Study Group 15 Recommendations under AAP

Rec #	Title	Last Call (LC)			Additional Review (AR)			Status
		Start / End	LC Result	LJ Result	Start / End	AR Result	AJ Result	
G.650.1	Definitions and test methods for linear, deterministic attributes of single-mode fibre and cable (Summary)	2023-12-16 2024-01-12						LC
G.698.5 (G.owdm)	Multichannel DWDM applications with single-channel optical interfaces in the O-band (Summary)	2023-12-16 2024-01-12						LC
G.698.6 (G.owdm2)	Multichannel WDM applications with single-channel optical interfaces in the O-band (Summary)	2023-12-16 2024-01-12						LC
G.709.1	Flexible OTN common elements (Summary)	2023-12-16 2024-01-12						LC
G.709.20	Overview of fine grain OTN (Summary)	2023-12-16 2024-01-12						LC
G.709.3	Flexible OTN B100G long-reach interfaces (Summary)	2023-12-16 2024-01-12						LC
G.709.5 (G.709.sr)	Flexible OTN short-reach interfaces (Summary)	2023-12-16 2024-01-12						LC
G.709.6 (G.709.b400qlr)	Flexible OTN B400G long-reach interfaces (Summary)	2023-12-16 2024-01-12						LC
G.709/Y.1331 (2020) Amd.3	Interfaces for the optical transport network - Amendment 3 (Summary)	2023-12-16 2024-01-12						LC
G.781	Synchronization layer functions for frequency synchronization based on the physical layer (Summary)	2023-12-16 2024-01-12						LC
G.798 (2022) Amd.1	Characteristics of optical transport network hierarchy equipment functional blocks - Amendment 1 (Summary)	2023-12-16 2024-01-12						LC
G.872	Architecture of the optical transport network (Summary)	2023-12-16 2024-01-12						LC
G.874 (2020) Amd.2	Management aspects of optical transport network elements - Amendment 2 (Summary)	2023-12-16 2024-01-12						LC
G.876 (2021) Amd.1	Management Requirements and Information Model for the optical media network - Amendment 1 (Summary)	2023-12-16 2024-01-12						LC

Rec #	Title	Last Call (LC)			Additional Review (AR)			Status
		Start / End	LC Result	LJ Result	Start / End	AR Result	AJ Result	
G.959.1	Optical transport network physical layer interfaces (Summary)	2023-12-16 2024-01-12						LC
G.988 (2022) Amd.1	ONU management and control interface (OMCI) specification - Amendment 1 (Summary)	2023-12-16 2024-01-12						LC
G.8013/Y.1731 (2023) Cor.1	Operation, administration and maintenance (OAM) functions and mechanisms for Ethernet-based networks - Corrigendum 1 (Summary)	2023-12-16 2024-01-12						LC
G.8021/Y.1341 (2022) Amd.1	Characteristics of Ethernet transport network equipment functional blocks - Amendment 1 (Summary)	2023-12-16 2024-01-12						LC
G.8023 (2018) Amd.2	Characteristics of equipment functional blocks supporting Ethernet physical layer and Flex Ethernet interfaces - Amendment 2 (Summary)	2023-12-16 2024-01-12						LC
G.8051/Y.1345 (2020) Cor.1	Management aspects of the Ethernet transport (ET) capable network element - Corrigendum 1 (Summary)	2023-12-16 2024-01-12						LC
G.8052	Protocol-neutral management information model for the Ethernet transport capable network element (Summary)	2023-12-16 2024-01-12						LC
G.8052.1/Y.1346.1 (2021) Amd.2	Operation, administration, maintenance (OAM) management information and data models for the Ethernet-transport network element - Amendment 2 (Summary)	2023-12-16 2024-01-12						LC
G.8121/Y.1381 (2018) Amd.1	Characteristics of MPLS-TP equipment functional blocks - Amendment 1 (Summary)	2023-12-16 2024-01-12						LC
G.8151/Y.1374 (2020) Amd.1	Management aspects of the MPLS-TP network element - Amendment 1 (Summary)	2023-12-16 2024-01-12						LC
G.8152	Protocol-neutral management information model for the MPLS-TP network element (Summary)	2023-12-16 2024-01-12						LC
G.8260 (2022) Amd.1	Definitions and terminology for synchronization in packet networks - Amendment 1 (Summary)	2023-12-16 2024-01-12						LC
G.8264/Y.1364 (2017) Amd. 2	Distribution of timing information through packet networks - Amendment 2 (Summary)	2023-12-16 2024-01-12						LC
G.8271.1/Y.1366.1 (2022) Amd.2	Network limits for time synchronization in packet networks with full timing support from the network - Amendment 2 (Summary)	2023-12-16 2024-01-12						LC
G.8272.1	Timing characteristics of enhanced primary reference time clocks (Summary)	2023-12-16 2024-01-12						LC

Rec #	Title	Last Call (LC)			Additional Review (AR)			Status
		Start / End	LC Result	LJ Result	Start / End	AR Result	AJ Result	
G.8272.2	Timing characteristics of coherent network primary reference time clocks (Summary)	2023-12-16 2024-01-12						LC
G.8275	Architecture and requirements for packet-based time and phase distribution (Summary)	2023-12-16 2024-01-12						LC
G.8275.1/Y.1369.1 (2022) Amd.1	Precision time protocol telecom profile for phase/time synchronization with full timing support from the network - Amendment 1 (Summary)	2023-12-16 2024-01-12						LC
G.8275.2/Y.1369.2 (2022) Amd.1	Precision time protocol telecom profile for phase/time synchronization with partial timing support from the network - Amendment 1 (Summary)	2023-12-16 2024-01-12						LC
G.8310 (2020) Amd.1	Architecture of the metro transport network - Amendment 1 (Summary)	2023-12-16 2024-01-12						LC
G.8312 (2020) Amd.2	Interfaces for metro transport networks - Amendment 2 (Summary)	2023-12-16 2024-01-12						LC
G.8312.20	Overview of fine-grain MTN (Summary)	2023-12-16 2024-01-12						LC
G.8350 (2022) Amd.1	Management and Control of metro transport networks - Amendment 1 (Summary)	2023-12-16 2024-01-12						LC
G.9804.1 (2019) Amd.2	Higher Speed Passive Optical Networks: Requirements - Amendment 2 (Summary)	2023-12-16 2024-01-12						LC
G.9804.3 (2021) Amd.2	50-Gigabit-capable passive optical networks (50G-PON): Physical media dependent (PMD) layer specification - Amendment 2 (Summary)	2023-12-16 2024-01-12						LC
G.9806 (2020) Amd.3	Higher-speed bidirectional, single fibre, point-to-point optical access system (HS-PtP) - Amendment 3 (Summary)	2023-12-16 2024-01-12						LC
G.9930 (G.p2pf)	Point-to-Point Fibre in the Premises (Summary)	2023-12-16 2024-01-12						LC
G.9940 (G.fin-SA)	High speed fibre-based in-premises transceivers - system architecture (Summary)	2023-05-16 2023-06-12	LJ	SG				AC
G.9941 (G.fin-PHY)	High speed fibre-based in-premises transceivers - physical layer specification (Summary)	2023-12-16 2024-01-12						LC
G.9960 (2023) Amd.1	Unified high-speed wireline-based home networking transceivers - System architecture and physical layer specification - Amendment 1 (Summary)	2023-12-16 2024-01-12						LC

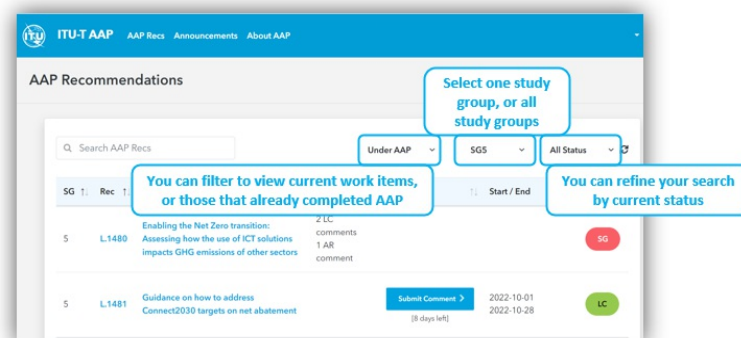
Rec #	Title	Last Call (LC)			Additional Review (AR)			Status
		Start / End	LC Result	LJ Result	Start / End	AR Result	AJ Result	
G.9961	Unified high-speed wireline-based home networking transceivers - Data link layer specification (Summary)	2023-05-16 2023-06-12	LJ	SG				AC
G.9961 (2023) Amd.1	Unified high-speed wireline-based home networking transceivers - Data link layer specification - Amendment 1 (Summary)	2023-12-16 2024-01-12						LC
L.100	Optical fibre cables for duct and tunnel application (Summary)	2023-12-16 2024-01-12						LC
L.109	Construction of optical/metallic hybrid cables (Summary)	2023-12-16 2024-01-12						LC
L.250	Topologies for optical access network (Summary)	2023-12-16 2024-01-12						LC
L.312	Optical fibre cable maintenance support, monitoring and testing system for optical fibre cable networks carrying high total optical power (Summary)	2023-12-16 2024-01-12						LC

(To TSB AAP-42)

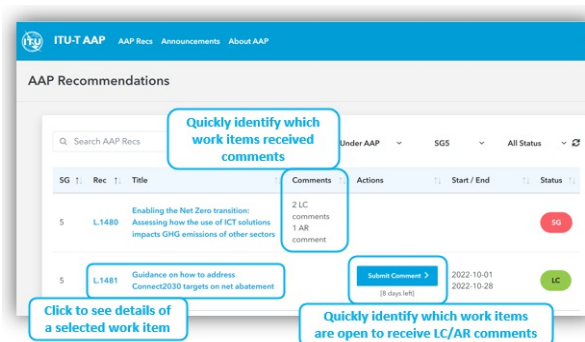
Using the on-line comment submission form

Comment submission

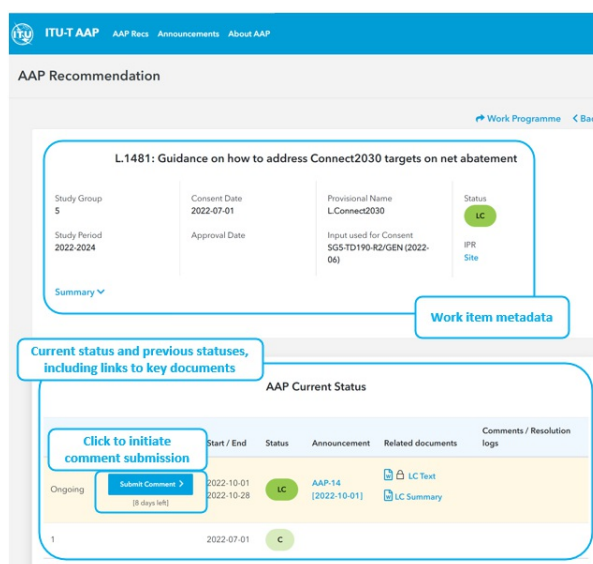
1. Go to AAP site <https://www.itu.int/t/aap/aap-recs> and select an AAP Recommendation:



- 2) Select your Recommendation



- 3) Click the "Submit Comment" button



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

Draft Recommendation L.1481
Study Group 5 - Last Call Additional Review
Deadline: 2022-10-28 (23:59 hours Geneva time)
Comment period deadline: 8d 12h 50m

About you

Your details

Contact details are automatically filled in

AAP Focal point

To update the AAP focal point details, please contact tsbaap@itu.int

Submit your comment

Level of support for Approval

☐ We support approval of this text on the condition that it be modified per the revisions given below and/or in the attachment.

☐ We do not support approval of this text. Reasons are given below and/or in the attachment

Comment

Please provide your comment(s), if any.

Attachment

☐ File attached

☐ None. Comments are given in the 'Comment' field, no attachment needed.

Submit

5) You will receive an email notification with details of your submission

(To TSB AAP-42)

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)**Sender name:**
(if different from AAP
Contact Person)**Sender email address:****Administration/Company:****Country:****Name of AAP Contact
Person:****Email of AAP Contact
Person:****Comments:**
(Level of support for
Approval)☐ We support approval of this text on the condition that it be modified per the revisions given☐ We do not support approval of this text. Reasons are given below and/or in the attachment.**Comments:****No attachment:** Comments are given in the 'Comment' field, no attachment needed.To be returned to: email: tsbgs...@itu.int
[or fax +41 22 730 5853]

Comments or revised text should be sent as an attachment in one of the following formats: .docx, .doc, .pdf, .xlsx, zip, rar, txt.

Revision marks must be shown relative to the text posted by TSB.