



Ginebra, 16/12/2023

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

- 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

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

Seizo Onoe

Director de la Oficina de Normalización de las Telecomunicaciones

Anexos: 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

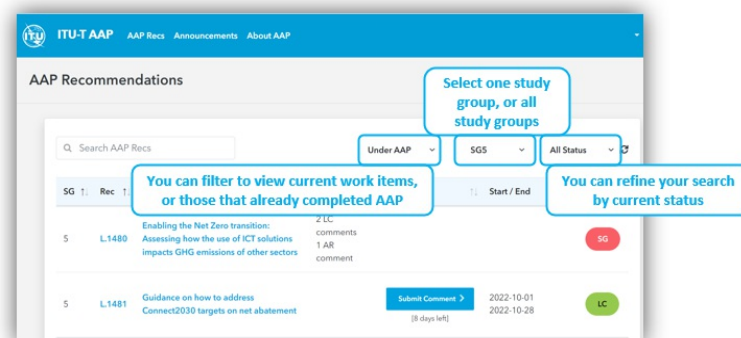
Rec #	Title	Last Call (LC)			Additional Review (AR)			Status
		Start / End	LC Result	LJ Result	Start / End	AR Result	AJ Result	
G.9961	Unified high-speed wireline-based home networking transceivers - Data link layer specification (Summary)	2023-05-16 2023-06-12	LJ	SG				AC
G.9961 (2023) Amd.1	Unified 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)

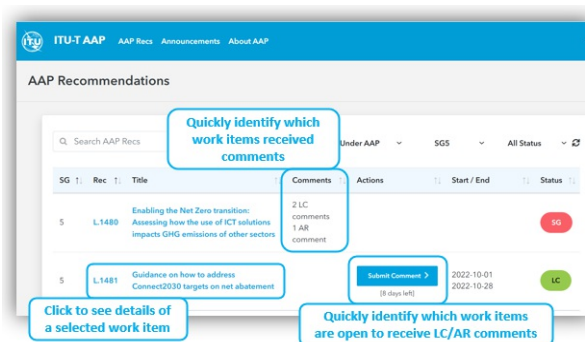
Using the on-line comment submission form

Comment submission

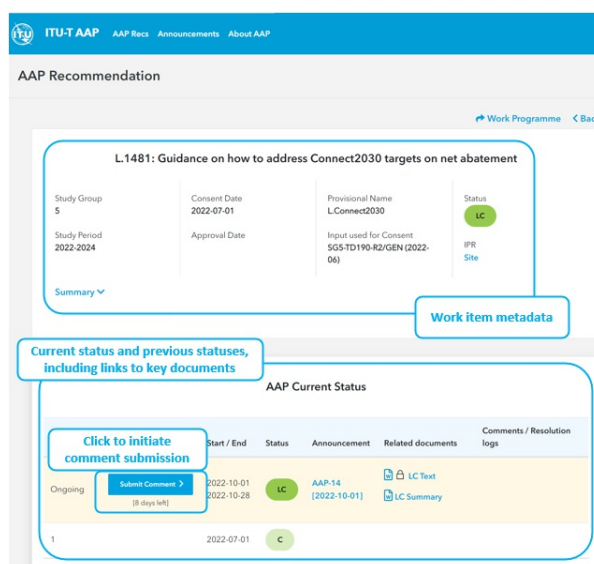
1. Go to AAP site <https://www.itu.int/t/aap/aap-recs> and select an AAP Recommendation:



- 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: tsbsg...@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.