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| ITU official logo_blue_RGB | Unión Internacional de Telecomunicaciones*Oficina de Normalización de las Telecomunicaciones* |  |

Ginebra, 16 de diciembre de 2018

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| --- | --- | --- |
| Ref:Tel:Fax:Correo-e: | **TSB AAP-49**AAP/CL+41 22 730 5860+41 22 730 5853tsbdir@itu.int | – A las Administraciones de los Estados Miembros de la Unión;– A los Miembros del Sector UIT‑T;– A los Asociados del UIT‑T**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 |

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| 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 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.

No se realizarán anuncios de AAP el 1 de enero de 2019 por cierre anual de la UIT. En consecuencia, se ha ampliado el plazo para la presentación de comentarios para algunos textos sujetos al proceso AAP.

Le saluda atentamente,

Chaesub Lee
Director de la Oficina de
Normalización de las Telecomunicaciones

**Anexos:** 3

Annex 1

(to TSB AAP-49)

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](http://www.itu.int/ITU-T/)

Alternative approval process (AAP) welcome page:

[http://www.itu.int/ITU-T/aapinfo](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 | <http://www.itu.int/ITU-T/studygroups/com02> | tsbsg2@itu.int |
| SG 3 | <http://www.itu.int/ITU-T/studygroups/com03> | tsbsg3@itu.int |
| SG 5 | <http://www.itu.int/ITU-T/studygroups/com05> | tsbsg5@itu.int |
| SG 9 | <http://www.itu.int/ITU-T/studygroups/com09> | tsbsg9@itu.int |
| SG 11 | <http://www.itu.int/ITU-T/studygroups/com11> | tsbsg11@itu.int |
| SG 12 | <http://www.itu.int/ITU-T/studygroups/com12> | tsbsg12@itu.int |
| SG 13 | <http://www.itu.int/ITU-T/studygroups/com13> | tsbsg13@itu.int |
| SG 15 | <http://www.itu.int/ITU-T/studygroups/com15> | tsbsg15@itu.int |
| SG 16 | <http://www.itu.int/ITU-T/studygroups/com16> | tsbsg16@itu.int |
| SG 17 | <http://www.itu.int/ITU-T/studygroups/com17> | tsbsg17@itu.int |
| SG 20 | <http://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** | **LCResult** | **LJResult** | **AR Start** | **AR End** | **ARResult** | **AJResult** |
| [L.1015 (L.CEM)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8265) | Criteria for evaluation of the environmental impact of mobile phones ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020490801MSWE.docx&group=5)) | 2018-10-16 | 2018-11-12 | LJ | AR | 2018-12-16 | 2019-01-11 |  |  | AR |

Situation concerning Study Group 9 Recommendations under AAP

| **Rec #** | **Title** | **Last Call (LC) Period** | **Additional Review (AR) Period** | Status |
| --- | --- | --- | --- | --- |
| **LC Start** | **LC End** | **LCResult** | **LJResult** | **AR Start** | **AR End** | **ARResult** | **AJResult** |
| [J.1 (J.tda)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8355) | Terms, definitions and acronyms for television and sound transmission and integrated broadband cable networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020A30801MSWE.docx&group=9)) | 2018-12-16 | 2019-01-12 |  |  |  |  |  |  | LC |
| [J.298 (J.stb-cts)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8358) | Requirements and technical specifications of cable TV hybrid set-top box that has the compatibility with terrestrial and satellite TV transport ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020A60801MSWE.docx&group=9)) | 2018-12-16 | 2019-01-12 |  |  |  |  |  |  | LC |
| [J.302 (2016) Amd.1](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8373) | System specifications of augmented reality smart television service: Amendment 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020B50801MSWE.docx&group=9)) | 2018-12-16 | 2019-01-12 |  |  |  |  |  |  | LC |
| [J.383 (J.atrans-tlvts)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8356) | Conversion of type length value (TLV) packet and transport stream for advanced cable transmission systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020A40801MSWE.docx&group=9)) | 2018-12-16 | 2019-01-12 |  |  |  |  |  |  | LC |
| [J.1108 (J.roip-trans)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8359) | Transmission specification for Radio over IP transmission system ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020A70801MSWE.docx&group=9)) | 2018-12-16 | 2019-01-12 |  |  |  |  |  |  | LC |
| [J.1109 (J.fdx-req)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8360) | Requirement for in-band full-duplex in HFC based network ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020A80801MSWE.docx&group=9)) | 2018-12-16 | 2019-01-12 |  |  |  |  |  |  | LC |
| [J.1201 (J.stvos-spec-req)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8357) | The functional requirements of smart TV operating system ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020A50801MSWE.docx&group=9)) | 2018-12-16 | 2019-01-12 |  |  |  |  |  |  | LC |

Situation concerning Study Group 11 Recommendations under AAP

| **Rec #** | **Title** | **Last Call (LC) Period** | **Additional Review (AR) Period** | Status |
| --- | --- | --- | --- | --- |
| **LC Start** | **LC End** | **LCResult** | **LJResult** | **AR Start** | **AR End** | **ARResult** | **AJResult** |
| [Q.4042.1 (Q.wa-iop)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8318) | Cloud interoperability testing about web application - part 1: Interoperability testing between CSC and CSP ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200207E0801MSWE.docx&group=11)) | 2018-11-16 | 2018-12-13 | A  |  |  |  |  |  | A  |
| [X.609.6 (X.mp2p-cdsr)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8319) | Managed P2P communications: Content distribution signalling requirements ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200207F0801MSWE.docx&group=11)) | 2018-11-16 | 2018-12-13 | A  |  |  |  |  |  | A  |
| [X.609.7 (X.mp2p-cdpp)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8320) | Managed P2P communications: Content distribution peer protocol ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020800801MSWE.docx&group=11)) | 2018-11-16 | 2018-12-13 | A  |  |  |  |  |  | A  |

Situation concerning Study Group 12 Recommendations under AAP

| **Rec #** | **Title** | **Last Call (LC) Period** | **Additional Review (AR) Period** | Status |
| --- | --- | --- | --- | --- |
| **LC Start** | **LC End** | **LCResult** | **LJResult** | **AR Start** | **AR End** | **ARResult** | **AJResult** |
| [G.191 (V6)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8351) | Software tools for speech and audio coding standardization ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200209F0801MSWE.docx&group=12)) | 2018-12-16 | 2019-01-12 |  |  |  |  |  |  | LC |
| [G.1028.1 (G.ViLTE)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8345) | End-to-end QoS for Video Telephony over 4G mobile networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020990801MSWE.docx&group=12)) | 2018-12-16 | 2019-01-12 |  |  |  |  |  |  | LC |
| [P.340 Amd.2](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8349) | Transmission characteristics and speech quality parameters of hands-free terminals - Amendment 2 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200209D0801MSWE.docx&group=12)) | 2018-12-16 | 2019-01-12 |  |  |  |  |  |  | LC |
| [P.811 (P.SOSH -P.SAT)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8348) | Subjective test methodology for evaluating Speech oriented stereo communication systems over headphones ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200209C0801MSWE.docx&group=12)) | 2018-12-16 | 2019-01-12 |  |  |  |  |  |  | LC |
| [P.917 (P.QUITS)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8346) | Subjective test methodolgy for assessing impact of initial loading delay on user experience ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200209A0801MSWE.docx&group=12)) | 2018-12-16 | 2019-01-12 |  |  |  |  |  |  | LC |
| [P.1100](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8350) | Narrowband hands-free communication in motor vehicles ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200209E0801MSWE.docx&group=12)) | 2018-12-16 | 2019-01-12 |  |  |  |  |  |  | LC |
| [P.1110](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8352) | Wideband hands-free communication in motor vehicles ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020A00801MSWE.docx&group=12)) | 2018-12-16 | 2019-01-12 |  |  |  |  |  |  | LC |
| [P.1203.1](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8353) | Parametric bitstream-based quality assessment of progressive download and adaptive audiovisual streaming services over reliable transport - Video quality estimation module ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020A10801MSWE.docx&group=12)) | 2018-12-16 | 2019-01-12 |  |  |  |  |  |  | LC |
| [P.1203.3](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8354) | Parametric bitstream-based quality assessment of progressive download and adaptive audiovisual streaming services over reliable transport - Quality integration module ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020A20801MSWE.docx&group=12)) | 2018-12-16 | 2019-01-12 |  |  |  |  |  |  | LC |
| [Y.1550 (Y.cvms)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8347) | Considerations for Realizing Virtual Measurement Systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200209B0801MSWE.docx&group=12)) | 2018-12-16 | 2019-01-12 |  |  |  |  |  |  | LC |

Situation concerning Study Group 13 Recommendations under AAP

| **Rec #** | **Title** | **Last Call (LC) Period** | **Additional Review (AR) Period** | Status |
| --- | --- | --- | --- | --- |
| **LC Start** | **LC End** | **LCResult** | **LJResult** | **AR Start** | **AR End** | **ARResult** | **AJResult** |
| [Y.2242 (Y.SFCM)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8321) | Service function chaining in mobile network ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020810801MSWE.docx&group=13)) | 2018-11-16 | 2018-12-13 | A  |  |  |  |  |  | A  |
| [Y.2323 (Y.NGNe-O-reqts)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8322) | Requirements and capabilities of orchestration in next generation network evolution ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020820801MSWE.docx&group=13)) | 2018-11-16 | 2018-12-13 | A  |  |  |  |  |  | A  |
| [Y.2815 (Y.MobileP2P)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8323) | Mobility supporting architecture for mobile Peer to Peer service in heterogeneous wireless networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020830801MSWE.docx&group=13)) | 2018-11-16 | 2018-12-13 | A  |  |  |  |  |  | A  |
| [Y.3053 (2018) Amd.1](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8338) | Framework of trustworthy networking with trust-centric network domains: Amendment 1 - Trustworthy networking deployment architecture and procedures ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020920801MSWE.docx&group=13)) | 2018-11-16 | 2018-12-13 | A  |  |  |  |  |  | A  |
| [Y.3104 (Y.IMT2020-arch)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8328) | Architecture of the IMT-2020 network ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020880801MSWE.docx&group=13)) | 2018-11-16 | 2018-12-13 | A  |  |  |  |  |  | A  |
| [Y.3105 (Y.IMT2020-CE-Req)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8329) | Requirements of capability exposure in the IMT-2020 network ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020890802MSWE.docx&group=13)) | 2018-11-16 | 2018-12-13 | A  |  |  |  |  |  | A  |
| [Y.3112](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8339) | Framework for the support of network slicing in the IMT-2020 network ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020930802MSWE.docx&group=13)) | 2018-11-16 | 2018-12-13 | A  |  |  |  |  |  | A  |
| [Y.3324 (Y.amc)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8330) | Requirements and Architectural Framework for Autonomic Management and Control of IMT-2020 Networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200208A0801MSWE.docx&group=13)) | 2018-11-16 | 2018-12-13 | A  |  |  |  |  |  | A  |
| [Y.3507 (Y.ccpm-reqts)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8331) | Cloud computing - Functional requirements of physical machine ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200208B0801MSWE.docx&group=13)) | 2018-11-16 | 2018-12-13 | A  |  |  |  |  |  | A  |
| [Y.3514 (2018) Cor.1 (2018-07) (Y.CCTIC)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8332) | Cloud computing - Trusted inter-cloud computing framework and requirements ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200208C0801MSWE.docx&group=13)) | 2018-11-16 | 2018-12-13 | A  |  |  |  |  |  | A  |
| [Y.3517 (Y.CCICTM)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8333) | Cloud computing - Overview of inter-cloud trust management ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200208D0801MSWE.docx&group=13)) | 2018-11-16 | 2018-12-13 | A  |  |  |  |  |  | A  |
| [Y.3518 (Y.CCICDM-Req)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8334) | Cloud computing - functional requirements of inter-cloud data management ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200208E0801MSWE.docx&group=13)) | 2018-11-16 | 2018-12-13 | A  |  |  |  |  |  | A  |
| [Y.3519 (Y.BDaaS-arch)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8335) | Cloud computing - Functional architecture of Big Data as a Service ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200208F0801MSWE.docx&group=13)) | 2018-11-16 | 2018-12-13 | A  |  |  |  |  |  | A  |
| [Y.3602 (Y.bdp-reqts)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8336) | Big data - Functional requirements for data provenance ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020900801MSWE.docx&group=13)) | 2018-11-16 | 2018-12-13 | A  |  |  |  |  |  | A  |
| [Y.3651 (Y. bDDN-MNTMP)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8337) | Big-data-driven networking - mobile network traffic management and planning ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020910801MSWE.docx&group=13)) | 2018-11-16 | 2018-12-13 | A  |  |  |  |  |  | A  |

Situation concerning Study Group 15 Recommendations under AAP

| **Rec #** | **Title** | **Last Call (LC) Period** | **Additional Review (AR) Period** | Status |
| --- | --- | --- | --- | --- |
| **LC Start** | **LC End** | **LCResult** | **LJResult** | **AR Start** | **AR End** | **ARResult** | **AJResult** |
| [G.875 (G.874.1)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8340) | Optical transport network: Protocol-neutral management information model for the network element view ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020940801MSWE.docx&group=15)) | 2018-11-16 | 2018-12-13 | AT |  |  |  |  |  | AT |
| [G.8052/Y.1346](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8341) | Protocol-neutral management information model for the Ethernet Transport capable network element ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020950801MSWE.docx&group=15)) | 2018-11-16 | 2018-12-13 | A  |  |  |  |  |  | A  |
| [G.8152/Y.1375](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8342) | Protocol-neutral management information model for the MPLS-TP network element ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020960801MSWE.docx&group=15)) | 2018-11-16 | 2018-12-13 | AT |  |  |  |  |  | AT |

Annex 2

(to TSB AAP-49)

Using the on-line comment submission form

Comment submission

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



2) Select your Recommendation



3) Click the "Submit Comment" button



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



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

Annex 3

(to TSB AAP-49)

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.*