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|  | Unión Internacional de Telecomunicaciones  *Oficina de Normalización de las Telecomunicaciones* |  |

Ginebra, 01 de junio de 2020

|  |  |  |
| --- | --- | --- |
| Ref:  Tel:  Fax:  Correo-e: | **TSB AAP-82**  AAP/CL  +41 22 730 5860  +41 22 730 5853  [tsbdir@itu.int](mailto:tsbdir@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;  – A las Instituciones Académicas de la UIT  **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 <https://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.

Le saluda atentamente,

Chaesub Lee  
Director de la Oficina de   
Normalización de las Telecomunicaciones

**Anexos:** 3

Annex 1

(to TSB AAP-82)

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

Alternative approval process (AAP) welcome page:

[https://www.itu.int/ITU-T/aapinfo](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](mailto:tsbsg2@itu.int) |
| SG 3 | <https://www.itu.int/ITU-T/studygroups/com03> | [tsbsg3@itu.int](mailto:tsbsg3@itu.int) |
| SG 5 | <https://www.itu.int/ITU-T/studygroups/com05> | [tsbsg5@itu.int](mailto:tsbsg5@itu.int) |
| SG 9 | <https://www.itu.int/ITU-T/studygroups/com09> | [tsbsg9@itu.int](mailto:tsbsg9@itu.int) |
| SG 11 | <https://www.itu.int/ITU-T/studygroups/com11> | [tsbsg11@itu.int](mailto:tsbsg11@itu.int) |
| SG 12 | <https://www.itu.int/ITU-T/studygroups/com12> | [tsbsg12@itu.int](mailto:tsbsg12@itu.int) |
| SG 13 | <https://www.itu.int/ITU-T/studygroups/com13> | [tsbsg13@itu.int](mailto:tsbsg13@itu.int) |
| SG 15 | <https://www.itu.int/ITU-T/studygroups/com15> | [tsbsg15@itu.int](mailto:tsbsg15@itu.int) |
| SG 16 | <https://www.itu.int/ITU-T/studygroups/com16> | [tsbsg16@itu.int](mailto:tsbsg16@itu.int) |
| SG 17 | <https://www.itu.int/ITU-T/studygroups/com17> | [tsbsg17@itu.int](mailto:tsbsg17@itu.int) |
| SG 20 | <https://www.itu.int/ITU-T/studygroups/com20> | [tsbsg20@itu.int](mailto: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** |
| [K.21 (2019) Amd.1 (K.21 Amd.1)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8728) | Amendment 1 to Recommendation ITU-T K.21: Resistibility of telecommunication equipment installed in customer premises to overvoltages and overcurrents ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022180801MSWE.docx&group=5)) | 2020-06-01 | 2020-06-28 |  |  |  |  |  |  | LC |
| [K.45 (2019) Amd.1 (K.45 Amd.1)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8729) | Amendment 1 to Recommendation ITU-T K.45: Resistibility of telecommunication equipment installed in the access and trunk networks to overvoltages and overcurrents ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022190801MSWE.docx&group=5)) | 2020-06-01 | 2020-06-28 |  |  |  |  |  |  | LC |
| [K.50 (2018) Amd.1 (K.50 Amd.1)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8725) | Amendment 1 to Recommendation ITU-T K.50: Safe limits for operating voltages and currents of telecommunication systems powered over the network. ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022150801MSWE.docx&group=5)) | 2020-06-01 | 2020-06-28 |  |  |  |  |  |  | LC |
| [K.56 (K.56)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8723) | Protection of radio base stations against lightning discharges ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022130801MSWE.docx&group=5)) | 2020-06-01 | 2020-06-28 |  |  |  |  |  |  | LC |
| [K.64 (K.64 (2016))](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8726) | Safe working practices for outside equipment installed in particular environments ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022160801MSWE.docx&group=5)) | 2020-06-01 | 2020-06-28 |  |  |  |  |  |  | LC |
| [K.83 (K.83)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8739) | Monitoring of electromagnetic field levels ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022230802MSWE.docx&group=5)) | 2020-06-01 | 2020-06-28 |  |  |  |  |  |  | LC |
| [K.91 (K.91)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8730) | Guidance for assessment, evaluation and monitoring of human exposure to radio frequency electromagnetic fields ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200221A0801MSWE.docx&group=5)) | 2020-06-01 | 2020-06-28 |  |  |  |  |  |  | LC |
| [K.98 (Corr.2) (K.98 (2014))](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8727) | Corrigendum 2 to Recommendation ITU-T K.98: Overvoltage protection guide for telecommunication equipment installed in customer premises ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022170801MSWE.docx&group=5)) | 2020-06-01 | 2020-06-28 |  |  |  |  |  |  | LC |
| [K.112 (K.112)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8724) | Lightning protection, earthing and bonding: Practical procedures for radio base stations ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022140802MSWE.docx&group=5)) | 2020-06-01 | 2020-06-28 |  |  |  |  |  |  | LC |
| [K.146 (K.int)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8731) | Management of interferences on telecommunication transmissions on copper other than speech ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200221B0801MSWE.docx&group=5)) | 2020-06-01 | 2020-06-28 |  |  |  |  |  |  | LC |
| [K.147 (K.Eth)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8732) | Ethernet port resistibility testing for overvoltages and overcurrents ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200221C0801MSWE.docx&group=5)) | 2020-06-01 | 2020-06-28 |  |  |  |  |  |  | LC |
| [L.1023 (L.CE\_2)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8738) | Assessment method for Circular Scoring ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022220801MSWE.docx&group=5)) | 2020-06-01 | 2020-06-28 |  |  |  |  |  |  | LC |
| [L.1310 (Revision of ITU-T L.1310)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8733) | Energy efficiency metrics and measurement methods for telecommunication equipment ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200221D0801MSWE.docx&group=5)) | 2020-06-01 | 2020-06-28 |  |  |  |  |  |  | LC |
| [L.1331 (Revision of ITU-T L.1331)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8734) | Assessment of mobile network energy efficiency ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200221E0801MSWE.docx&group=5)) | 2020-06-01 | 2020-06-28 |  |  |  |  |  |  | LC |
| [L.1371 (L.SP\_OB)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8736) | A methodology for assessing and scoring the sustainability performance of office buildings ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022200803MSWE.docx&group=5)) | 2020-06-01 | 2020-06-28 |  |  |  |  |  |  | LC |
| [L.1381 (L.SE\_DC)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8735) | Smart energy solution for data centre ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200221F0802MSWE.docx&group=5)) | 2020-06-01 | 2020-06-28 |  |  |  |  |  |  | LC |
| [L.1382 (L.SE\_TR)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8737) | Smart energy solution for telecommunication rooms ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022210801MSWE.docx&group=5)) | 2020-06-01 | 2020-06-28 |  |  |  |  |  |  | LC |

Situation concerning Study Group 9 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** |
| [J.1 (J.1-rev)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8714) | 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=T010200220A0801MSWE.docx&group=9)) | 2020-05-01 | 2020-05-28 | A |  |  |  |  |  | A |
| [J.216 (J.216-rev)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8720) | Second-generation modular headend architecture in systems for interactive cable television services - IP cable modems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022100801MSWE.docx&group=9)) | 2020-05-01 | 2020-05-28 | A |  |  |  |  |  | A |
| [J.224 (J.224-rev)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8721) | Fifth-generation transmission systems for interactive cable television services - IP cable modems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022110801MSWE.docx&group=9)) | 2020-05-01 | 2020-05-28 | A |  |  |  |  |  | A |
| [J.225 (J.4GDOCSIS)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8715) | Fourth-generation transmission systems for interactive cable television services - IP cable modems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200220B0801MSWE.docx&group=9)) | 2020-05-01 | 2020-05-28 | A |  |  |  |  |  | A |
| [J.299 (J.acs-stb)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8716) | Functional Requirements for remote management of cable STB by Auto Configuration Server (ACS) ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200220C0801MSWE.docx&group=9)) | 2020-05-01 | 2020-05-28 | A |  |  |  |  |  | A |
| [J.1031 (J.twoway-dcas-part1)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8717) | Downloadable Conditional Access System for Bidirectional Network; Requirements ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200220D0801MSWE.docx&group=9)) | 2020-05-01 | 2020-05-28 | A |  |  |  |  |  | A |
| [J.1203 (J.stvos-spec)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8718) | The specification of a smart TV operating system ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200220E0802MSWE.docx&group=9)) | 2020-05-01 | 2020-05-28 | A |  |  |  |  |  | A |
| [J.1211 (J.ipvb-spec)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8719) | Specifications of IP Video Broadcast (IPVB) for CATV Networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200220F0801MSWE.docx&group=9)) | 2020-05-01 | 2020-05-28 | 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** | **LC Result** | **LJ Result** | **AR Start** | **AR End** | **AR Result** | **AJ Result** |
| [E.812 (E.CrowdESFB)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8710) | Crowdsourcing approach for the assessment of end-to-end QoS in fixed and mobile broadband networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022060801MSWE.docx&group=12)) | 2020-05-01 | 2020-05-28 | A |  |  |  |  |  | A |
| [G.1035 (G.QoE-VR)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8711) | Influencing factors on quality of experience (QoE) for virtual reality (VR) services ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022070801MSWE.docx&group=12)) | 2020-05-01 | 2020-05-28 | A |  |  |  |  |  | A |
| [P.501](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8712) | Test signals for use in telephony and other speech-based applications ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022080801MSWE.docx&group=12)) | 2020-05-01 | 2020-05-28 | A |  |  |  |  |  | A |
| [P.1203.3 Amd.1](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8713) | Parametric bitstream-based quality assessment of progressive download and adaptive audiovisual streaming services over reliable transport - Quality integration module Amendment 1 - Adjustment of the audiovisual quality ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022090801MSWE.docx&group=12)) | 2020-05-01 | 2020-05-28 | A |  |  |  |  |  | A |

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.3652 (Y.bDDN-req)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8703) | Big data driven networking – requirements ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021FF0802MSWE.docx&group=13)) | 2020-04-01 | 2020-04-28 | LJ | AR | 2020-06-01 | 2020-06-21 |  |  | AR |

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** |
| [G.8300 (G.ctn5g)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8675) | Characteristics of transport networks to support IMT-2020/5G ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021E30803MSWE.docx&group=15)) | 2020-02-16 | 2020-03-14 | LJ | AR | 2020-05-01 | 2020-05-21 | AC |  | AC |

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.1149 (X.sfop)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8709) | Security framework of open platform for FinTech services ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022050801MSWE.docx&group=17)) | 2020-05-01 | 2020-05-28 | LJ |  |  |  |  |  | LJ |
| [X.1402 (X.sra-dlt)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8708) | Security framework for distributed ledger technology ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022040801MSWE.docx&group=17)) | 2020-05-01 | 2020-05-28 | LJ |  |  |  |  |  | LJ |
| [X.1451 (X.tfrca)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8722) | Risk identification to optimize authentication ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022120801MSWE.docx&group=17)) | 2020-05-01 | 2020-05-28 | LJ |  |  |  |  |  | LJ |

Annex 2

(to TSB AAP-82)

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



3) Click the "Submit Comment" button



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



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

Annex 3

(to TSB AAP-82)

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: (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*](mailto: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.*