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

Ginebra, 01 de agosto de 2022

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| --- | --- | --- |
| Ref:  Tel:  Fax:  Correo-e: | **TSB AAP-10**  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-10)

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.114 (Revision of ITU-T K.114)](https://www.itu.int/t/aap/recdetails/10271) | Electromagnetic compatibility requirements and measurement methods for digital cellular mobile communication base station equipment ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200281F0801MSWE.docx&group=5)) | 2022-08-01 | 2022-08-28 |  |  |  |  |  |  | LC |

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.803](https://www.itu.int/t/aap/recdetails/10250) | Quality of service parameters for supporting service aspects ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200280A0801MSWE.docx&group=12)) | 2022-07-01 | 2022-07-28 | A |  |  |  |  |  | A |
| [G.191](https://www.itu.int/t/aap/recdetails/10239) | Software tools for speech and audio coding standardization ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027FF0801MSWE.docx&group=12)) | 2022-07-01 | 2022-07-28 | A |  |  |  |  |  | A |
| [G.1023 (G.NCAP)](https://www.itu.int/t/aap/recdetails/10253) | Framework for capacity assessment of packet data services in mobile networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200280D0801MSWE.docx&group=12)) | 2022-07-01 | 2022-07-28 | A |  |  |  |  |  | A |
| [G.1036 (G.QoE-AR)](https://www.itu.int/t/aap/recdetails/10254) | Quality of experience (QoE) influencing factors for augmented reality (AR) services ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200280E0801MSWE.docx&group=12)) | 2022-07-01 | 2022-07-28 | A |  |  |  |  |  | A |
| [P.64](https://www.itu.int/t/aap/recdetails/10241) | Determination of sensitivity/frequency characteristics of local telephone systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028010801MSWE.docx&group=12)) | 2022-07-01 | 2022-07-28 | A |  |  |  |  |  | A |
| [P.380](https://www.itu.int/t/aap/recdetails/10242) | Electro-acoustic measurements on headsets ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028020801MSWE.docx&group=12)) | 2022-07-01 | 2022-07-28 | A |  |  |  |  |  | A |
| [P.581](https://www.itu.int/t/aap/recdetails/10243) | Use of head and torso simulator for hands-free and handset terminal testing ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028030801MSWE.docx&group=12)) | 2022-07-01 | 2022-07-28 | A |  |  |  |  |  | A |
| [P.852 (P.SEC)](https://www.itu.int/t/aap/recdetails/10244) | Subjective quality evaluation of text-based chatbots ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028040801MSWE.docx&group=12)) | 2022-07-01 | 2022-07-28 | A |  |  |  |  |  | A |
| [P.863.2 (P.AMD)](https://www.itu.int/t/aap/recdetails/10246) | Extension of P.863 for multi-dimensional assessment of degradations in telephony speech signals up to full-band ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028060801MSWE.docx&group=12)) | 2022-07-01 | 2022-07-28 | A |  |  |  |  |  | A |
| [P.910](https://www.itu.int/t/aap/recdetails/10249) | Subjective video quality assessment methods for multimedia applications ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028090801MSWE.docx&group=12)) | 2022-07-01 | 2022-07-28 | A |  |  |  |  |  | A |
| [P.1140](https://www.itu.int/t/aap/recdetails/10240) | Speech communication requirements for emergency calls originating from vehicles ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028000801MSWE.docx&group=12)) | 2022-07-01 | 2022-07-28 | A |  |  |  |  |  | A |
| [P.1204.4](https://www.itu.int/t/aap/recdetails/10248) | Video quality assessment of streaming services over reliable transport for resolutions up to 4K with access to full and reduced reference pixel information ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028080810MSWE.docx&group=12)) | 2022-07-01 | 2022-07-28 | A |  |  |  |  |  | A |
| [P.1320 (P.QXM)](https://www.itu.int/t/aap/recdetails/10245) | QoE assessment of extended reality (XR) meetings ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028050801MSWE.docx&group=12)) | 2022-07-01 | 2022-07-28 | A |  |  |  |  |  | A |
| [P.1402 (P.MLGuide)](https://www.itu.int/t/aap/recdetails/10247) | Guidance for the development of machine learning based solutions for QoS/QoE prediction and network performances management in telecommunication scenarios ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028070801MSWE.docx&group=12)) | 2022-07-01 | 2022-07-28 | A |  |  |  |  |  | A |
| [Y.1545.2 (Y.COPI)](https://www.itu.int/t/aap/recdetails/10252) | QoS metrics for continuity-of-performance of packet data based services ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200280C0801MSWE.docx&group=12)) | 2022-07-01 | 2022-07-28 | A |  |  |  |  |  | A |

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.1409 (X.ss-dlt)](https://www.itu.int/t/aap/recdetails/10255) | Security services based on distributed ledger technology ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200280F0801MSWE.docx&group=17)) | 2022-07-01 | 2022-07-28 | A |  |  |  |  |  | A |

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.4052 (Y.blockchain-terms)](https://www.itu.int/t/aap/recdetails/10306) | Vocabulary for blockchain for supporting Internet of things and smart cities and communities in data processing and management aspects ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028420801MSWE.docx&group=20)) | 2022-08-01 | 2022-08-28 |  |  |  |  |  |  | LC |
| [Y.4216 (Y.infra)](https://www.itu.int/t/aap/recdetails/10299) | Requirements of sensing and data collection system for city infrastructure ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200283B0801MSWE.docx&group=20)) | 2022-08-01 | 2022-08-28 |  |  |  |  |  |  | LC |
| [Y.4217 (Y.CS-framework)](https://www.itu.int/t/aap/recdetails/10300) | Service requirements and capability framework for IoT-related crowdsourced systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200283C0801MSWE.docx&group=20)) | 2022-08-01 | 2022-08-28 |  |  |  |  |  |  | LC |
| [Y.4481 (Y.data-MP)](https://www.itu.int/t/aap/recdetails/10301) | Framework for data middle-platform in IoT and smart sustainable cities ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200283D0801MSWE.docx&group=20)) | 2022-08-01 | 2022-08-28 |  |  |  |  |  |  | LC |
| [Y.4482 (Y.IoT-SLF)](https://www.itu.int/t/aap/recdetails/10302) | Requirements and framework for smart livestock farming based on the Internet of things ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200283E0801MSWE.docx&group=20)) | 2022-08-01 | 2022-08-28 |  |  |  |  |  |  | LC |
| [Y.4483 (Y.IoT-DSE-arc)](https://www.itu.int/t/aap/recdetails/10304) | Reference architecture of service exposure for decentralized services for Internet of things applications ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028400801MSWE.docx&group=20)) | 2022-08-01 | 2022-08-28 |  |  |  |  |  |  | LC |
| [Y.4484 (Y.eHealth-Semantic)](https://www.itu.int/t/aap/recdetails/10305) | Framework to support Web of Objects ontology based semantic data interoperability of eHealth services ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028410801MSWE.docx&group=20)) | 2022-08-01 | 2022-08-28 |  |  |  |  |  |  | LC |
| [Y.4600 (Y.scdt-reqts)](https://www.itu.int/t/aap/recdetails/10303) | Requirements and capabilities of a digital twin system for smart cities ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200283F0801MSWE.docx&group=20)) | 2022-08-01 | 2022-08-28 |  |  |  |  |  |  | LC |

Annex 2

(to TSB AAP-10)

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-10)

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.*