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

Ginebra, 16 de enero de 2023

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| --- | --- | --- |
| Ref:  Tel:  Fax:  Correo-e: | **TSB AAP-20**  AAP/SO  +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,

Director de la Oficina de   
Normalización de las Telecomunicaciones

**Anexos:** 3

Annex 1

(to TSB AAP-20)

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** |
| [L.1306 (L.Spec\_Edge DC)](https://www.itu.int/t/aap/recdetails/10376) | Specification of edge data centre infrastructure ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028880802MSWE.docx&group=5)) | 2022-12-01 | 2023-01-12 | LJ |  |  |  |  |  | LJ |
| [L.1400 (L.1400rev)](https://www.itu.int/t/aap/recdetails/10375) | Overview and general principles of methodologies for assessing the environmental impact of information and communication technologies ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028870802MSWE.docx&group=5)) | 2022-12-01 | 2023-01-12 | LJ |  |  |  |  |  | LJ |
| [L.1630 (L.FrameworkBIMSssc)](https://www.itu.int/t/aap/recdetails/10377) | Framework of building infrastructure management system for sustainable city ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028890802MSWE.docx&group=5)) | 2022-12-01 | 2023-01-12 | A |  |  |  |  |  | A |

Situation concerning Study Group 11 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** |
| [Q.3647 (Q.Sig\_Req\_ETS\_IMS\_roaming)](https://www.itu.int/t/aap/recdetails/10426) | Signalling requirements for emergency service in IMS roaming environment ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028BA0801MSWE.docx&group=11)) | 2023-01-16 | 2023-02-12 |  |  |  |  |  |  | LC |
| [Q.4070 (Q.vbng-iop-ts)](https://www.itu.int/t/aap/recdetails/10425) | Test suite for interoperability testing of virtualized broadband network gateway ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028B90801MSWE.docx&group=11)) | 2023-01-16 | 2023-02-12 |  |  |  |  |  |  | LC |
| [Q.5004 (Q.LiteIMS-SA)](https://www.itu.int/t/aap/recdetails/10424) | Signalling architecture of Lite IMS for IMT-2020 network and beyond ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028B80801MSWE.docx&group=11)) | 2023-01-16 | 2023-02-12 |  |  |  |  |  |  | LC |
| [Q.5005 (Q.IMT2020-SAO)](https://www.itu.int/t/aap/recdetails/10423) | Requirement, framework and protocols for signalling network analysis and optimization in IMT-2020 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028B70801MSWE.docx&group=11)) | 2023-01-16 | 2023-02-12 |  |  |  |  |  |  | LC |

Situation concerning Study Group 13 Recommendations under AAP

| **Rec #** | **Title** | **Last Call (LC) Period** | | | | **Additional Review (AR) Period** | | | | Status |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **LC Start** | **LC End** | **LC Result** | **LJ Result** | **AR Start** | **AR End** | **AR Result** | **AJ Result** |
| [Y.2247 (Y.frd)](https://www.itu.int/t/aap/recdetails/10409) | Framework and Requirements of Network-oriented Data Integrity Verification Service based on Blockchain in Future Network ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028A90801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 | A |  |  |  |  |  | A |
| [Y.2248 (Y.esm)](https://www.itu.int/t/aap/recdetails/10410) | Service model for Entry-level Smart Farm ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028AA0801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 | A |  |  |  |  |  | A |
| [Y.3119 (Y.IMT2020-DN-CCF)](https://www.itu.int/t/aap/recdetails/10411) | Future networks including IMT-2020: capability classification framework for dedicated networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028AB0801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 | A |  |  |  |  |  | A |
| [Y.3120 (Y.IMT2020-fa-lg-lsn)](https://www.itu.int/t/aap/recdetails/10412) | Functional Architecture for latency guarantee in large scale networks including IMT-2020 and beyond ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028AC0801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 | A |  |  |  |  |  | A |
| [Y.3121 (Y.IMT2020-det-qos-reqts-lan)](https://www.itu.int/t/aap/recdetails/10413) | QoS requirements and framework for supporting deterministic communication services in local area network for IMT-2020 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028AD0801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 | A |  |  |  |  |  | A |
| [Y.3140 (Y.SBN-TR)](https://www.itu.int/t/aap/recdetails/10414) | Service brokering network framework for Trusted Reality ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028AE0801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 | LJ |  |  |  |  |  | LJ |
| [Y.3159 (Y.IMT-2020-NSL-fra)](https://www.itu.int/t/aap/recdetails/10415) | Framework for classifying network slice level in future networks including IMT-2020 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028AF0801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 | LJ |  |  |  |  |  | LJ |
| [Y.3183 (Y.ML-IMT2020-VNS)](https://www.itu.int/t/aap/recdetails/10416) | Framework for network slicing management assisted by machine learning leveraging QoE feedback from verticals ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028B00802MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 | A |  |  |  |  |  | A |
| [Y.3201 (Y.FMSC-frame)](https://www.itu.int/t/aap/recdetails/10417) | Fixed, mobile and satellite convergence – Framework for IMT-2020 networks and beyond ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028B10801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 | A |  |  |  |  |  | A |
| [Y.3325 (Y.DL-AINW-fra)](https://www.itu.int/t/aap/recdetails/10418) | Framework for high-level AI-based management communicating with external management systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028B20801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 | A |  |  |  |  |  | A |
| [Y.3539 (Y.ccrm)](https://www.itu.int/t/aap/recdetails/10419) | Cloud computing - Framework of risk management ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028B30801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 | A |  |  |  |  |  | A |
| [Y.3607 (Y.bdp-arch)](https://www.itu.int/t/aap/recdetails/10420) | Big data – Functional architecture for data provenance ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028B40801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 | A |  |  |  |  |  | A |
| [Y.3813 (Y.QKDN-iwrq)](https://www.itu.int/t/aap/recdetails/10421) | Quantum key distribution networks interworking – functional requirements ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028B50801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 | A |  |  |  |  |  | A |
| [Y.3814 (Y.QKDN-ml-fra)](https://www.itu.int/t/aap/recdetails/10422) | Quantum key distribution networks - functional requirements and architecture for machine learning enablement ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028B60801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 | 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** | **LC Result** | **LJ Result** | **AR Start** | **AR End** | **AR Result** | **AJ Result** |
| [G.8052.1/Y.1346.1 (2021) Amd.1](https://www.itu.int/t/aap/recdetails/10365) | Operation, administration, maintenance (OAM) management information and data models for the Ethernet-transport network element - Amendment 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200287D0801MSWE.docx&group=15)) | 2022-10-16 | 2022-11-12 | LJ | AR | 2022-12-16 | 2023-01-12 | AC |  | AC |
| [G.8152.1/Y.1375.1 (2021) Amd.1](https://www.itu.int/t/aap/recdetails/10408) | Operation, administration, maintenance (OAM) management information and data models for the MPLS-TP network element - Amendment 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028A80801MSWE.docx&group=15)) | 2022-11-16 | 2022-12-13 | LJ | AR | 2023-01-16 | 2023-02-05 |  |  | AR |
| [G.9711 (2021) Cor.1](https://www.itu.int/t/aap/recdetails/10330) | Multi-gigabit fast access to subscriber terminals (MGfast) Physical layer specification - Corrigendum 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200285A0801MSWE.docx&group=15)) | 2022-10-16 | 2022-11-12 | LJ | AR | 2022-12-01 | 2022-12-21 | AC |  | AC |

Situation concerning Study Group 16 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** |
| [T.807 (V2)](https://www.itu.int/t/aap/recdetails/10406) | Information technology – JPEG 2000 image coding system: Secure JPEG 2000 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028A60801MSWE.docx&group=16)) | 2023-01-16 | 2023-02-12 |  |  |  |  |  |  | LC |
| [T.816 (V1)](https://www.itu.int/t/aap/recdetails/10407) | Information technology - JPEG 2000 image coding system: Extensions for coding of discontinuous media ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028A70801MSWE.docx&group=16)) | 2023-01-16 | 2023-02-12 |  |  |  |  |  |  | LC |

Annex 2

(to TSB AAP-20)

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-20)

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.*