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

Ginebra, 16 de febrero de 2021

|  |  |  |
| --- | --- | --- |
| Ref:  Tel:  Fax:  Correo-e: | **TSB AAP-98**  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-98)

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 2 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** |
| [M.3080 (M.AI-tom)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9923) | Framework of AI enhanced Telecom Operation and Management (AITOM) ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026C30801MSWE.docx&group=2)) | 2021-01-16 | 2021-02-12 | 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** |
| [P.57](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9925) | Artificial ears ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026C50801MSWE.docx&group=12)) | 2021-01-16 | 2021-02-12 | A |  |  |  |  |  | A |
| [P.58](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9926) | Head and torso simulator for telephonometry ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026C60801MSWE.docx&group=12)) | 2021-01-16 | 2021-02-12 | 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.3056 (Y.OBF\_trust)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9920) | Framework for bootstrapping of devices and applications for open access to trusted services in distributed ecosystems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026C00801MSWE.docx&group=13)) | 2021-01-16 | 2021-02-12 | A |  |  |  |  |  | A |
| [Y.3113 (Y.IMT2020-qos-lg)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9919) | Requirements and framework for latency guarantee in large scale networks including IMT-2020 network ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026BF0801MSWE.docx&group=13)) | 2021-01-16 | 2021-02-12 | A |  |  |  |  |  | A |
| [Y.3135 (Y.FMC-SS)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9924) | Service scheduling for supporting FMC in IMT-2020 network ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026C40801MSWE.docx&group=13)) | 2021-01-16 | 2021-02-12 | A |  |  |  |  |  | A |
| [Y.3157 (Y.IMT2020-NSC)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9922) | IMT-2020 network slice configuration ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026C20801MSWE.docx&group=13)) | 2021-01-16 | 2021-02-12 | A |  |  |  |  |  | A |
| [Y.3177 (Y.ML-IMT2020-NA-RAFR)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9921) | Architectural framework of artificial intelligence-based network automation for resource and fault management in future networks including IMT-2020 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026C10801MSWE.docx&group=13)) | 2021-01-16 | 2021-02-12 | 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.680](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9927) | Information technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026C70801MSWE.docx&group=17)) | 2021-01-16 | 2021-02-12 | A |  |  |  |  |  | A |
| [X.681](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9928) | Information technology - Abstract Syntax Notation One (ASN.1): Information object specification ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026C80801MSWE.docx&group=17)) | 2021-01-16 | 2021-02-12 | A |  |  |  |  |  | A |
| [X.682](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9929) | Information technology - Abstract Syntax Notation One (ASN.1): Constraint specification ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026C90801MSWE.docx&group=17)) | 2021-01-16 | 2021-02-12 | A |  |  |  |  |  | A |
| [X.683](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9930) | Information technology - Abstract Syntax Notation One (ASN.1): Parameterization of ASN.1 specifications ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026CA0801MSWE.docx&group=17)) | 2021-01-16 | 2021-02-12 | A |  |  |  |  |  | A |
| [X.690](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9931) | Information technology - ASN.1 encoding rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER) ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026CB0801MSWE.docx&group=17)) | 2021-01-16 | 2021-02-12 | A |  |  |  |  |  | A |
| [X.691](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9932) | Information technology - ASN.1 encoding rules: Specification of Packed Encoding Rules (PER) ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026CC0801MSWE.docx&group=17)) | 2021-01-16 | 2021-02-12 | A |  |  |  |  |  | A |
| [X.692](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9933) | Information technology - ASN.1 encoding rules: Specification of Encoding Control Notation (ECN) ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026CD0801MSWE.docx&group=17)) | 2021-01-16 | 2021-02-12 | A |  |  |  |  |  | A |
| [X.693](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9934) | Information technology - ASN.1 encoding rules: XML Encoding Rules (XER) ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026CE0801MSWE.docx&group=17)) | 2021-01-16 | 2021-02-12 | A |  |  |  |  |  | A |
| [X.694](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9935) | Information technology - ASN.1 encoding rules: Mapping W3C XML schema definitions into ASN.1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026CF0801MSWE.docx&group=17)) | 2021-01-16 | 2021-02-12 | A |  |  |  |  |  | A |
| [X.695](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9936) | Information technology - ASN.1 encoding rules: Registration and application of PER encoding instructions ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026D00801MSWE.docx&group=17)) | 2021-01-16 | 2021-02-12 | A |  |  |  |  |  | A |
| [X.696](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9937) | Information technology - ASN.1 encoding rules: Specification of Octet Encoding Rules (OER) ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026D10801MSWE.docx&group=17)) | 2021-01-16 | 2021-02-12 | A |  |  |  |  |  | A |
| [X.697](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9938) | Information technology - ASN.1 encoding rules: Specification of JavaScript Object Notation Encoding Rules (JER) ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026D20801MSWE.docx&group=17)) | 2021-01-16 | 2021-02-12 | A |  |  |  |  |  | A |
| [X.894 (2018) Cor.2](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9939) | Generic applications of ASN.1 Cryptographic Message Syntax Technical Corrigendum 2 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026D30801MSWE.docx&group=17)) | 2021-01-16 | 2021-02-12 | 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.4476 (Y.IoT-rf-dlt)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=9913) | OID-based resolution framework for transaction of distributed ledger assigned to IoT resources ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020026B90801MSWE.docx&group=20)) | 2020-11-16 | 2020-12-13 | LJ | AR | 2021-01-16 | 2021-02-05 | AC |  | AC |

Annex 2

(to TSB AAP-98)

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-98)

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.*