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

Ginebra, 16 de septiembre de 2017

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| --- | --- | --- |
| Ref:  Tel:  Fax:  Correo-e: | **TSB AAP-20**  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  **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.

Le saluda atentamente,

Chaesub Lee  
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:

[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](mailto:tsbsg2@itu.int) |
| SG 3 | <http://www.itu.int/ITU-T/studygroups/com03> | [tsbsg3@itu.int](mailto:tsbsg3@itu.int) |
| SG 5 | <http://www.itu.int/ITU-T/studygroups/com05> | [tsbsg5@itu.int](mailto:tsbsg5@itu.int) |
| SG 9 | <http://www.itu.int/ITU-T/studygroups/com09> | [tsbsg9@itu.int](mailto:tsbsg9@itu.int) |
| SG 11 | <http://www.itu.int/ITU-T/studygroups/com11> | [tsbsg11@itu.int](mailto:tsbsg11@itu.int) |
| SG 12 | <http://www.itu.int/ITU-T/studygroups/com12> | [tsbsg12@itu.int](mailto:tsbsg12@itu.int) |
| SG 13 | <http://www.itu.int/ITU-T/studygroups/com13> | [tsbsg13@itu.int](mailto:tsbsg13@itu.int) |
| SG 15 | <http://www.itu.int/ITU-T/studygroups/com15> | [tsbsg15@itu.int](mailto:tsbsg15@itu.int) |
| SG 16 | <http://www.itu.int/ITU-T/studygroups/com16> | [tsbsg16@itu.int](mailto:tsbsg16@itu.int) |
| SG 17 | <http://www.itu.int/ITU-T/studygroups/com17> | [tsbsg17@itu.int](mailto:tsbsg17@itu.int) |
| SG 20 | <http://www.itu.int/ITU-T/studygroups/com20> | [tsbsg20@itu.int](mailto:tsbsg20@itu.int) |

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.2241 (Y.fsul)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7941) | Service framework to support web objects based ubiquitous self-directed learning ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F050801MSWE.docx&group=13)) | 2017-08-16 | 2017-09-12 | A |  |  |  |  |  | A |
| [Y.3100 (Y.IMT2020-terms)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7937) | Terms and definitions for IMT-2020 network ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F010801MSWE.docx&group=13)) | 2017-08-16 | 2017-09-12 | A |  |  |  |  |  | A |
| [Y.3110 (Y.IMT2020-mgmt-req)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7938) | IMT-2020 Network Management and Orchestration Requirements ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F020801MSWE.docx&group=13)) | 2017-08-16 | 2017-09-12 | A |  |  |  |  |  | A |
| [Y.3111 (Y.IMT2020-mgmt-frame)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7939) | IMT-2020 Network Management and Orchestration Framework ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F030801MSWE.docx&group=13)) | 2017-08-16 | 2017-09-12 | A |  |  |  |  |  | A |
| [Y.3516 (Y.CCIC-arch)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7940) | Cloud computing - Functional architecture of inter-cloud computing ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F040801MSWE.doc&group=13)) | 2017-08-16 | 2017-09-12 | 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.873.1](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7913) | Optical Transport Network (OTN): Linear protection ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001EE90801MSWE.docx&group=15)) | 2017-07-16 | 2017-08-12 | LJ | AR | 2017-09-16 | 2017-10-06 |  |  | AR |
| [G.993.2 (2015) Amd.3](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7890) | Very high speed digital subscriber line transceivers 2 (VDSL2) - Amendment 3 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001ED20801MSWE.docx&group=15)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |
| [G.8271.1/Y.1366.1 (2013)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7926) | Network limits for time synchronization in Packet networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001EF60801MSWE.docx&group=15)) | 2017-07-16 | 2017-08-12 | LJ | AR | 2017-09-16 | 2017-10-06 |  |  | AR |
| [G.8273.3/Y.1368.3](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7930) | Timing characteristics of telecom transparent clocks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001EFA0801MSWE.docx&group=15)) | 2017-07-16 | 2017-08-12 | LJ | AR | 2017-09-16 | 2017-10-06 |  |  | AR |
| [G.9807.1 Amd.1 (G.XGS-PON)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7903) | 10-Gigabit-capable symmetric passive optical network (XGS-PON)- Amendment 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001EDF0802MSWE.docx&group=15)) | 2017-07-16 | 2017-08-12 | LJ | AR | 2017-09-16 | 2017-10-06 |  |  | AR |

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 Cor.2 (X.680 Cor.2)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7946) | Information technology – Abstract Syntax Notation One (ASN.1): Specification of basic notation - Technical Corrigendum 2 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F0A0801MSWE.doc&group=17)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |
| [X.682 Cor.1 (X.682 Cor.1)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7947) | Information technology - Abstract Syntax Notation One (ASN.1): Constraint specification - Technical Corrigendum 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F0B0801MSWE.doc&group=17)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |
| [X.693 Cor.1 (X.693 Cor.1)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7948) | Information technology - ASN.1 encoding rules: XML Encoding Rules (XER) - Technical Corrigendum 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F0C0801MSWE.doc&group=17)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |
| [X.696 Cor.2 (X.696 Cor.2)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7949) | Information technology - ASN.1 encoding rules: Specification of Octet Encoding Rules (OER) - Technical Corrigendum 2 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F0D0801MSWE.doc&group=17)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |
| [X.697 (X.jsoner)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7950) | 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=T0102001F0E0801MSWE.docx&group=17)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |
| [X.1040 (X.salcm)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7951) | Security reference architecture for lifecycle management of e-commerce business data ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F0F0801MSWE.doc&group=17)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |
| [X.1146 (X.websec-8)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7952) | Secure protection guidelines for value-added services provided by telecommunication operators ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F100801MSWE.docx&group=17)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |
| [Z.161 (Z.161)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7959) | Testing and Test Control Notation version 3: TTCN-3 core language ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F170801MSWE.docx&group=17)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |
| [Z.161.1 (Z.161.1)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7953) | Testing and Test Control Notation version 3: TTCN-3 language extensions: Support of interfaces with continuous signals ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F110801MSWE.docx&group=17)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |
| [Z.161.2 (Z.161.2)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7954) | Testing and Test Control Notation version 3: TTCN-3 language extensions: Configuration and deployment support ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F120801MSWE.docx&group=17)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |
| [Z.161.3 (Z.161.3)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7955) | Testing and Test Control Notation version 3: TTCN-3 language extensions: Advanced parameterization ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F130801MSWE.docx&group=17)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |
| [Z.161.4 (Z.161.4)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7956) | Testing and Test Control Notation version 3: TTCN-3 language extensions: Behaviour types ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F140801MSWE.docx&group=17)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |
| [Z.161.6 (Z.161.6)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7957) | Testing and Test Control Notation version 3: TTCN-3 language extensions: Advanced matching ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F150801MSWE.docx&group=17)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |
| [Z.164 (Z.164)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7958) | Testing and Test Control Notation version 3: TTCN-3 operational semantics ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F160801MSWE.docx&group=17)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |
| [Z.165 (Z.165)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7960) | Testing and Test Control Notation version 3: TTCN-3 runtime interface (TRI) ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F180801MSWE.docx&group=17)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |
| [Z.166 (Z.166)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7961) | Testing and Test Control Notation version 3: TTCN-3 control interface (TCI) ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F190801MSWE.docx&group=17)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |
| [Z.167 (Z.167)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7962) | Testing and Test Control Notation version 3: Using ASN.1 with TTCN-3 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F1A0801MSWE.docx&group=17)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |
| [Z.168 (Z.168)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7963) | Testing and Test Control Notation version 3: The IDL to TTCN-3 mapping ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F1B0801MSWE.docx&group=17)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |
| [Z.169 (Z.169)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7964) | Testing and Test Control Notation version 3: Using XML schema with TTCN-3 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F1C0801MSWE.docx&group=17)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |
| [Z.170 (Z.170)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7965) | Testing and Test Control Notation version 3: TTCN-3 documentation comment specification ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F1D0801MSWE.docx&group=17)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |
| [Z.171 (Z.171)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7966) | Testing and Test Control Notation version 3: Using JSON with TTCN-3 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F1E0801MSWE.docx&group=17)) | 2017-09-16 | 2017-10-13 |  |  |  |  |  |  | LC |

Annex 2

(to TSB AAP-20)

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-20)

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*](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.*