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| itu_logo | International Telecommunication Union  *Telecommunication Standardization Bureau* |  |

Geneva, 16 September 2017

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| Ref:  Tel:  Fax:  E-mail: | **TSB AAP-20**  AAP/CL  +41 22 730 5860  +41 22 730 5853  [tsbdir@itu.int](mailto:tsbdir@itu.int) | – To Administrations of Member States of the Union;  – To ITU-T Sector Members;  – To ITU-T Associates  **Copy:**  – To the ITU-T Study Group Chairmen and Vice-Chairmen;  – To the Director of the Telecommunication Development Bureau;  – To the Director of the Radiocommunication Bureau |

|  |  |
| --- | --- |
| Subject: | **Situation concerning Recommendations under the Alternative Approval Process (AAP)** |

Dear Sir/Madam,

The Alternative Approval Process (AAP) defined in Rec. ITU-T A.8 applies to Recommendations which do not have policy or regulatory implications and which, therefore, do not require formal consultation of Member States (see ITU Convention 246B).

**Annex 1** lists those texts whose status has changed compared with previous TSB AAP Announcements.

If you wish to submit a comment relative to a Recommendation under AAP, you are encouraged to use the on-line AAP comment submission form available on the page of the Recommendation in the AAP area of the ITU-T website at [http://www.itu.int/ITU-T/aap](http://www.itu.int/ITU-T/aap/) (see **Annex 2**). Alternatively, comments can be submitted by completing the form in **Annex 3** and sending it to the secretariat of the concerned study group.

Please note that comments that simply support adoption of the text in question are not encouraged.

Yours faithfully,

Chaesub Lee  
Director of the Telecommunication Standardization Bureau

**Annexes:** 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.*