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

Geneva, 16 May 2018

|  |  |  |
| --- | --- | --- |
| Ref:  Tel:  Fax:  E-mail: | **TSB AAP-35**  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-35)

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 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.1030 (L.EWFrame)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8139) | E-waste management framework for countries ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FCB0801MSWE.docx&group=5)) | 2018-05-16 | 2018-06-12 |  |  |  |  |  |  | LC |
| [L.1207 (L.400migration)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8136) | Progressive migration of a telecommunication/information and communication technology site to 400 VDC sources and distribution ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FC80801MSWE.docx&group=5)) | 2018-04-16 | 2018-05-13 | A |  |  |  |  |  | A |
| [L.1222 (L.ENST3supercap)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8137) | Innovative energy storage technology for stationary use - Part 3: Supercapacitor technology ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FC90801MSWE.docx&group=5)) | 2018-04-16 | 2018-05-13 | A |  |  |  |  |  | A |
| [L.1450 (L.MAE)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8140) | Methodologies for the assessment of the environmental impact of the information and communication technology sector ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FCC0802MSWE.docx&group=5)) | 2018-04-16 | 2018-05-13 | LJ |  |  |  |  |  | LJ |
| [L.1460 (L.Connect2020 framework)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8141) | Connect 2020 greenhouse gases emissions – Guidelines ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FCD0801MSWE.docx&group=5)) | 2018-04-16 | 2018-05-13 | LJ |  |  |  |  |  | LJ |

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.802 Amd.2](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8166) | Amendment 2 to ITU-T E.802 - Updates and additional information on the degree of variability function in support of E.802 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FE60801MSWE.docx&group=12)) | 2018-05-16 | 2018-06-12 |  |  |  |  |  |  | LC |
| [E.831 (E.CEMI)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=7976) | Customer experience management index for popular services in operators' network to score service quality that customer experience in terms of key network performance parameters ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F280801MSWE.docx&group=12)) | 2017-10-01 | 2017-10-28 | LJ | SG |  |  |  |  | NA |
| [E.840 (E.NetPerfRank)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8165) | Statistical framework for end to end network-performance benchmark scoring and ranking ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FE50801MSWE.docx&group=12)) | 2018-05-16 | 2018-06-12 |  |  |  |  |  |  | LC |
| [G.1070](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8167) | Opinion model for video-telephony applications ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FE70801MSWE.docx&group=12)) | 2018-05-16 | 2018-06-12 |  |  |  |  |  |  | LC |
| [P.501 Amd.1](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8162) | Amendment 1 to ITU-T P.501 -Addition to P.501 - AM-FM test signal for super-wideband and fullband applications ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FE20801MSWE.docx&group=12)) | 2018-05-16 | 2018-06-12 |  |  |  |  |  |  | LC |
| [P.570 (P.TBN)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8161) | Artificial noise-fields in laboratory conditions ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FE10801MSWE.docx&group=12)) | 2018-05-16 | 2018-06-12 |  |  |  |  |  |  | LC |
| [P.808 (P.CROWD)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8164) | Subjective evaluation of speech quality with a crowdsourcing approach ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FE40801MSWE.docx&group=12)) | 2018-05-16 | 2018-06-12 |  |  |  |  |  |  | LC |
| [P.809 (P.GAME)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8163) | Subjective Evaluation Methods for Gaming Quality ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FE30801MSWE.docx&group=12)) | 2018-05-16 | 2018-06-12 |  |  |  |  |  |  | LC |
| [Y.1543](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8169) | Measurements in IP networks for inter-domain performance assessment ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FE90801MSWE.docx&group=12)) | 2018-05-16 | 2018-06-12 |  |  |  |  |  |  | LC |
| [Y.1546 Amd.1](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8168) | Amendment 1 to ITU-T Y.1546 - IP-Based Service Availability Function ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FE80801MSWE.docx&group=12)) | 2018-05-16 | 2018-06-12 |  |  |  |  |  |  | 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.3601 (Y.BigDataEX-reqts)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8016) | Big data - framework and requirements for data exchange ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F500801MSWE.docx&group=13)) | 2017-12-16 | 2018-01-12 | LJ | AR | 2018-04-16 | 2018-05-06 | AC |  | AC |

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.709/Y.1331 (2016) Amd.2](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8107) | Interfaces for the optical transport network (OTN): Amendment 2 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FAB0801MSWE.docx&group=15)) | 2018-02-16 | 2018-03-15 | LJ | AR | 2018-05-16 | 2018-06-05 |  |  | AR |
| [G.984.5 (2014) Amd.1](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8075) | Gigabit-capable passive optical networks (G-PON): Enhancement band - Amendment 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F8B0801MSWE.docx&group=15)) | 2018-02-16 | 2018-03-15 | LJ | AR | 2018-04-16 | 2018-05-06 | AC |  | AC |
| [G.993.2 (2015) Amd.4](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8076) | Very high speed digital subscriber line transceivers 2 (VDSL2) - Amendment 4 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F8C0820MSWE.docx&group=15)) | 2018-02-16 | 2018-03-15 | LJ | AR | 2018-04-16 | 2018-05-06 | AC |  | AC |
| [G.8021/Y.1341](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8103) | Characteristics of Ethernet transport network equipment functional blocks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FA70801MSWE.docx&group=15)) | 2018-02-16 | 2018-03-15 | LJ | AR | 2018-05-16 | 2018-06-05 |  |  | AR |
| [G.8023](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8111) | Characteristics of equipment functional blocks supporting Ethernet physical layer and FlexE interfaces ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FAF0801MSWE.docx&group=15)) | 2018-02-16 | 2018-03-15 | LJ | AR | 2018-05-16 | 2018-06-05 |  |  | 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 Amd.1 (())](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8142) | Information technology – Abstract Syntax Notation One (ASN.1): Specification of basic notation Amendment 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FCE0801MSWE.docx&group=17)) | 2018-04-16 | 2018-05-13 | A |  |  |  |  |  | A |
| [X.680 Cor.3 (X.680 Cor.3)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8143) | Information technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation Technical Corrigendum 3 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FCF0801MSWE.docx&group=17)) | 2018-04-16 | 2018-05-13 | A |  |  |  |  |  | A |
| [X.681 Cor.1 (X.681 Cor.1)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8144) | Information technology - Abstract Syntax Notation One (ASN.1): Information object specificationTechnical Corrigendum 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FD00801MSWE.docx&group=17)) | 2018-04-16 | 2018-05-13 | A |  |  |  |  |  | A |
| [X.682 Cor.2 (X.682 Cor.2)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8145) | Information technology - Abstract Syntax Notation One (ASN.1): Constraint specification - Technical Corrigendum 2 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FD10801MSWE.docx&group=17)) | 2018-04-16 | 2018-05-13 | A |  |  |  |  |  | A |
| [X.683 Cor.1 (X.683 Cor.1)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8146) | Information technology - Abstract Syntax Notation One (ASN.1): Parameterization of ASN.1 specifications Technical Corrigendum 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FD20801MSWE.docx&group=17)) | 2018-04-16 | 2018-05-13 | A |  |  |  |  |  | A |
| [X.696 Cor.3 (X.696 Cor.3)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8147) | Information technology - ASN.1 encoding rules: Specification of Octet Encoding Rules (OER) Corrigendum 3 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FD30801MSWE.docx&group=17)) | 2018-04-16 | 2018-05-13 | A |  |  |  |  |  | A |
| [X.1041 (X.voLTEsec-1)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8148) | Security framework for voice-over-long-term-evolution (VoLTE) network operation ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FD40801MSWE.docx&group=17)) | 2018-04-16 | 2018-05-13 | A |  |  |  |  |  | A |
| [X.1080.1 rev (X.1080.1 rev)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8151) | e-Health and world-wide telemedicines - Generic telecommunication protocol ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FD70801MSWE.docx&group=17)) | 2018-04-16 | 2018-05-13 | A |  |  |  |  |  | A |
| [X.1276 (X.te)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8152) | Authentication Step-Up Protocol and Metadata Version 1.0 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FD80801MSWE.docx&group=17)) | 2018-04-16 | 2018-05-13 | 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.4118 (Y.IoT-AC-reqts)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8058) | Internet of Things requirements and technical capabilities for support of accounting and charging ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001F7A0801MSWE.docx&group=20)) | 2018-02-01 | 2018-02-28 | LJ | AR | 2018-05-16 | 2018-06-05 |  |  | AR |

Annex 2

(to TSB AAP-35)

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-35)

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.*