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| ITU official logo_blue_RGB | International Telecommunication Union*Telecommunication Standardization Bureau* |  |

Geneva, 16 October 2018

|  |  |  |
| --- | --- | --- |
| Ref:Tel:Fax:E-mail: | **TSB AAP-45**AAP/CL+41 22 730 5860+41 22 730 5853tsbdir@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-45)

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 |
| SG 3 | <http://www.itu.int/ITU-T/studygroups/com03> | tsbsg3@itu.int |
| SG 5 | <http://www.itu.int/ITU-T/studygroups/com05> | tsbsg5@itu.int |
| SG 9 | <http://www.itu.int/ITU-T/studygroups/com09> | tsbsg9@itu.int |
| SG 11 | <http://www.itu.int/ITU-T/studygroups/com11> | tsbsg11@itu.int |
| SG 12 | <http://www.itu.int/ITU-T/studygroups/com12> | tsbsg12@itu.int |
| SG 13 | <http://www.itu.int/ITU-T/studygroups/com13> | tsbsg13@itu.int |
| SG 15 | <http://www.itu.int/ITU-T/studygroups/com15> | tsbsg15@itu.int |
| SG 16 | <http://www.itu.int/ITU-T/studygroups/com16> | tsbsg16@itu.int |
| SG 17 | <http://www.itu.int/ITU-T/studygroups/com17> | tsbsg17@itu.int |
| SG 20 | <http://www.itu.int/ITU-T/studygroups/com20> | 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** | **LCResult** | **LJResult** | **AR Start** | **AR End** | **ARResult** | **AJResult** |
| [K.134 (K.psp)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8254) | Protection of small-size telecommunication installations with poor earthing conditions ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200203E0801MSWE.docx&group=5)) | 2018-10-16 | 2018-11-12 |  |  |  |  |  |  | LC |
| [K.135 (K.rcd)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8255) | Technical parameters for residual current operated protective devices with automatic reclosing feature for telecom applications ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200203F0801MSWE.docx&group=5)) | 2018-10-16 | 2018-11-12 |  |  |  |  |  |  | LC |
| [K.136 (K.radio\_emc)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8256) | Electromagnetic Compatibility requirements for radio telecommunication equipment ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020400801MSWE.docx&group=5)) | 2018-10-16 | 2018-11-12 |  |  |  |  |  |  | LC |
| [K.137 (K.wire-line\_emc)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8257) | Electromagnetic compatibility requirements and measurement methods for wire-line telecommunication network equipment ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020410801MSWE.docx&group=5)) | 2018-10-16 | 2018-11-12 |  |  |  |  |  |  | LC |
| [K.138 (K.soft\_mes)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8258) | Quality estimation methods and application guidelines for mitigation measures based on particle radiation tests ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020420801MSWE.docx&group=5)) | 2018-10-16 | 2018-11-12 |  |  |  |  |  |  | LC |
| [K.139 (K.soft\_req)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8259) | Reliability requirements for telecommunication systems affected by particle radiation ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020430801MSWE.docx&group=5)) | 2018-10-16 | 2018-11-12 |  |  |  |  |  |  | LC |
| [L.1015 (L.CEM)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8265) | Criteria for evaluation of the environmental impact of mobile phones ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020490801MSWE.docx&group=5)) | 2018-10-16 | 2018-11-12 |  |  |  |  |  |  | LC |
| [L.1031 (L.EW2020)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8264) | Guideline on Implementing the E-waste Reduction Target of the Connect2020 Agenda ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020480801MSWE.docx&group=5)) | 2018-10-16 | 2018-11-12 |  |  |  |  |  |  | LC |
| [L.1221 (L.ENST2battery)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8260) | Innovative energy storage technology for stationary use - Part 2: Battery ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020440802MSWE.docx&group=5)) | 2018-10-16 | 2018-11-12 |  |  |  |  |  |  | LC |
| [L.1303 (L.green\_mgm\_DC)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8261) | Functional requirements and framework of green data centre energy-saving management system ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020450802MSWE.docx&group=5)) | 2018-10-16 | 2018-11-12 |  |  |  |  |  |  | LC |
| [L.1361 (L.mmNFV)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8262) | Measurement method for energy efficiency of Network Function Virtualization ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020460801MSWE.docx&group=5)) | 2018-10-16 | 2018-11-12 |  |  |  |  |  |  | LC |
| [L.1370 (L.SIB)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8263) | Sustainable and intelligent building services ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020470801MSWE.docx&group=5)) | 2018-10-16 | 2018-11-12 |  |  |  |  |  |  | LC |

Situation concerning Study Group 11 Recommendations under AAP

| **Rec #** | **Title** | **Last Call (LC) Period** | **Additional Review (AR) Period** | Status |
| --- | --- | --- | --- | --- |
| **LC Start** | **LC End** | **LCResult** | **LJResult** | **AR Start** | **AR End** | **ARResult** | **AJResult** |
| [Q.850](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8221) | Usage of cause and location in the Digital Subscriber Signalling System No. 1 and the Signalling System No. 7 ISDN user part ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200201D0801MSWE.docx&group=11)) | 2018-09-16 | 2018-10-13 | A  |  |  |  |  |  | A  |
| [Q.3405 (Q.IPv6ProBB)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8222) | IPv6 protocol procedures for broadband services ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200201E0801MSWE.docx&group=11)) | 2018-09-16 | 2018-10-13 | A  |  |  |  |  |  | A  |
| [Q.3641 (Q.Interop\_IMS\_Rel\_11; Q.IMS\_NGN\_Rel.11)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8223) | IMS references to Release 11 for communication between IMS and NGN Networks in order to support end-to-end service interoperability ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200201F0801MSWE.docx&group=11)) | 2018-09-16 | 2018-10-13 | A  |  |  |  |  |  | A  |
| [Q.3717 (Q.BNG-IAP)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8224) | Signalling requirements for automatic management of IP address pool by SDN technologies on BNG ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020200801MSWE.docx&group=11)) | 2018-09-16 | 2018-10-13 | A  |  |  |  |  |  | A  |
| [Q.3718 (Q.SVDC)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8225) | Signalling requirements of the Sew interface for Virtual Data Center ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020210801MSWE.docx&group=11)) | 2018-09-16 | 2018-10-13 | A  |  |  |  |  |  | A  |
| [Q.4060 (Q.Het\_IoT\_Gateway\_Test)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8226) | The structure of the testing of heterogeneous Internet of Things gateways in a laboratory environment ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020220801MSWE.docx&group=11)) | 2018-09-16 | 2018-10-13 | A  |  |  |  |  |  | A  |
| [Q.5001 (Q.IEC-REQ)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8227) | Signalling requirements and architecture of intelligent edge computing ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020230801MSWE.docx&group=11)) | 2018-09-16 | 2018-10-13 | 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** | **LCResult** | **LJResult** | **AR Start** | **AR End** | **ARResult** | **AJResult** |
| [Y.2814 (Y.MM-RN)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8187) | Mobility management framework over reconfigurable networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FFB0801MSWE.docx&group=13)) | 2018-09-01 | 2018-09-28 | A  |  |  |  |  |  | A  |
| [Y.3103 (Y.IMT2020-BM)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8186) | Business Role-based Models in IMT-2020 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FFA0801MSWE.docx&group=13)) | 2018-09-01 | 2018-09-28 | A  |  |  |  |  |  | A  |
| [Y.3170 (Y.qos-ml)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8185) | Requirements of machine learning based QoS assurance for IMT-2020 network ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T0102001FF90801MSWE.docx&group=13)) | 2018-09-01 | 2018-09-28 | A  |  |  |  |  |  | A  |

Situation concerning Study Group 16 Recommendations under AAP

| **Rec #** | **Title** | **Last Call (LC) Period** | **Additional Review (AR) Period** | Status |
| --- | --- | --- | --- | --- |
| **LC Start** | **LC End** | **LCResult** | **LJResult** | **AR Start** | **AR End** | **ARResult** | **AJResult** |
| [F.780.1 (F.Med-UHD)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8219) | Framework for telemedicine systems using ultra-high definition imaging ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200201B0801MSWE.docx&group=16)) | 2018-09-16 | 2018-10-13 | A  |  |  |  |  |  | A  |
| [H.265.1 (V3)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8220) | Conformance specification for ITU-T H.265 high efficiency video coding ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200201C0801MSWE.docx&group=16)) | 2018-09-16 | 2018-10-13 | 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** | **LCResult** | **LJResult** | **AR Start** | **AR End** | **ARResult** | **AJResult** |
| [X.894 (X.cms-prof)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8238) | Generic applications of ASN.1 Cryptographic Message Syntax ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200202E0801MSWE.docx&group=17)) | 2018-09-16 | 2018-10-13 | A  |  |  |  |  |  | A  |
| [X.1093 (X.tac)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8241) | Telebiometric access control with smart ID card ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020310801MSWE.docx&group=17)) | 2018-10-16 | 2018-11-12 |  |  |  |  |  |  | LC |
| [X.1147 (X.srfb)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8240) | Security requirements and framework for big data analytics in mobile internet services ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020300801MSWE.docx&group=17)) | 2018-10-16 | 2018-11-12 |  |  |  |  |  |  | LC |
| [X.1450 (X.hakm)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8239) | Guidelines on hybrid authentication and key management mechanisms in the client-server model ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200202F0801MSWE.docx&group=17)) | 2018-09-16 | 2018-10-13 | A  |  |  |  |  |  | A  |
| [Z.100 Annex F1](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8250) | Specification and Description Language - Overview of SDL-2010 - SDL formal definition: General overview ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200203A0801MSWE.docx&group=17)) | 2018-10-16 | 2018-11-12 |  |  |  |  |  |  | LC |
| [Z.100 Annex F2](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8252) | Specification and Description Language - Overview of SDL-2010 - SDL formal definition: Static semantics ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200203C0801MSWE.docx&group=17)) | 2018-10-16 | 2018-11-12 |  |  |  |  |  |  | LC |
| [Z.100 Annex F3](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8253) | Specification and Description Language - Overview of SDL-2010 - SDL formal definition: Dynamic semantics ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200203D0801MSWE.docx&group=17)) | 2018-10-16 | 2018-11-12 |  |  |  |  |  |  | LC |
| [Z.151](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8237) | User Requirements Notation (URN) - Language definition ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200202D0802MSWE.docx&group=17)) | 2018-09-16 | 2018-10-13 | A  |  |  |  |  |  | A  |
| [Z.161](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8228) | Testing and Test Control Notation version 3: TTCN-3 core language ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020240801MSWE.docx&group=17)) | 2018-09-16 | 2018-10-13 | A  |  |  |  |  |  | A  |
| [Z.161.2](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8230) | 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=T01020020260801MSWE.docx&group=17)) | 2018-09-16 | 2018-10-13 | A  |  |  |  |  |  | A  |
| [Z.161.4](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8231) | 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=T01020020270801MSWE.docx&group=17)) | 2018-09-16 | 2018-10-13 | A  |  |  |  |  |  | A  |
| [Z.161.6](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8232) | 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=T01020020280802MSWE.docx&group=17)) | 2018-09-16 | 2018-10-13 | A  |  |  |  |  |  | A  |
| [Z.166](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8234) | Testing and Test Control Notation version 3: TTCN-3 control interface (TCI) ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200202A0801MSWE.docx&group=17)) | 2018-09-16 | 2018-10-13 | A  |  |  |  |  |  | A  |
| [Z.167](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8233) | 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=T01020020290802MSWE.docx&group=17)) | 2018-09-16 | 2018-10-13 | A  |  |  |  |  |  | A  |
| [Z.169](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8235) | 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=T010200202B0801MSWE.docx&group=17)) | 2018-09-16 | 2018-10-13 | A  |  |  |  |  |  | A  |
| [Z.171](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8236) | Testing and Test Control Notation version 3: Using JSON with TTCN-3 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200202C0802MSWE.docx&group=17)) | 2018-09-16 | 2018-10-13 | A  |  |  |  |  |  | A  |

Annex 2

(to TSB AAP-45)

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-45)

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* *[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.*