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

Geneva, 16 November 2019

|  |  |  |
| --- | --- | --- |
| Ref:  Tel:  Fax:  E-mail: | **TSB AAP-70**  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;  – To ITU Academia  **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 Recommendation ITU-T A.8 applies to Recommendations that 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.

Any member wishing to submit a comment relative to a Recommendation under AAP is encouraged to use the on-line AAP comment submission form available on the page of the Recommendation via [https://www.itu.int/ITU-T/aap](https://www.itu.int/ITU-T/aap/) (see **Annex 2**). Alternatively, comments may 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-70)

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 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** |
| [K.20](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8563) | Resistibility of telecommunication equipment installed in a telecommunication centre to overvoltages and overcurrents ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021730801MSWE.docx&group=5)) | 2019-10-16 | 2019-11-12 | A |  |  |  |  |  | A |
| [K.39](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8559) | Risk assessment of damages to telecommunication sites due to lightning discharges ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200216F0801MSWE.docx&group=5)) | 2019-10-16 | 2019-11-12 | A |  |  |  |  |  | A |
| [K.40](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8560) | Protection against lightning electromagnetic pulses in telecommunication centres ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021700801MSWE.docx&group=5)) | 2019-10-16 | 2019-11-12 | A |  |  |  |  |  | A |
| [K.66](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8561) | Protection of customer premises from overvoltages ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021710801MSWE.docx&group=5)) | 2019-10-16 | 2019-11-12 | A |  |  |  |  |  | A |
| [K.73](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8562) | Shielding and bonding for cables between buildings ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021720801MSWE.docx&group=5)) | 2019-10-16 | 2019-11-12 | A |  |  |  |  |  | A |
| [K.91](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8564) | Guidance for assessment, evaluation and monitoring of human exposure to radio frequency electromagnetic fields ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021740801MSWE.docx&group=5)) | 2019-10-16 | 2019-11-12 | A |  |  |  |  |  | A |
| [K.142 (K.vss)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8565) | Lightning protection and earthing of video surveillance system ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021750801MSWE.docx&group=5)) | 2019-10-16 | 2019-11-12 | A |  |  |  |  |  | A |
| [K.143 (K.spdsafe)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8566) | Guidance on safety relating to the use of surge protective devices and surge protective components in telecommunication terminal equipment ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021760801MSWE.docx&group=5)) | 2019-10-16 | 2019-11-12 | A |  |  |  |  |  | A |
| [K.144 (K.appl6)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8567) | Surge protective component application guide - Self-restoring thermally activated overcurrent protectors ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021770801MSWE.docx&group=5)) | 2019-10-16 | 2019-11-12 | A |  |  |  |  |  | A |
| [K.145 (K.workers)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8568) | Assessment and management of compliance with RF EMF exposure limits for workers at radiocommunication sites and facilities ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021780801MSWE.docx&group=5)) | 2019-10-16 | 2019-11-12 | A |  |  |  |  |  | A |
| [L.1210 (L.5G\_powering)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8570) | Sustainable power-feeding solutions for 5G networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200217A0801MSWE.docx&group=5)) | 2019-10-16 | 2019-11-12 | LJ |  |  |  |  |  | LJ |
| [L.1305 (L.DCIM)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8571) | Data centre infrastructure management system based on big data and artificial intelligence technology ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200217B0801MSWE.docx&group=5)) | 2019-10-16 | 2019-11-12 | A |  |  |  |  |  | A |
| [L.1316 (L.EEframe)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8569) | Energy efficiency framework ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021790801MSWE.docx&group=5)) | 2019-10-16 | 2019-11-12 | A |  |  |  |  |  | A |
| [L.1380 (L.SE\_BS)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8572) | Smart energy solution for telecom sites ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200217C0801MSWE.docx&group=5)) | 2019-10-16 | 2019-11-12 | A |  |  |  |  |  | A |
| [L.1451 (L.MAAP)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8573) | Methodology for assessing the aggregated positive sector-level impacts of ICT in other sectors ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200217D0801MSWE.docx&group=5)) | 2019-10-16 | 2019-11-12 | A |  |  |  |  |  | A |
| [L.1470 (L.Trajectories)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8574) | GHG emissions trajectories for the ICT sector compatible with the UNFCCC Paris Agreement ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200217E0801MSWE.docx&group=5)) | 2019-10-16 | 2019-11-12 | LJ |  |  |  |  |  | LJ |

Situation concerning Study Group 11 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** |
| [Q.3055 (Q.HET-GW)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8622) | Signalling protocol for Heterogeneous IoT gateways ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021AE0801MSWE.docx&group=11)) | 2019-11-16 | 2019-12-13 |  |  |  |  |  |  | LC |
| [Q.3056 (Q.SP-RT-NP)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8625) | Signalling procedures of the probes to be used for remote testing of network parameters ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021B10801MSWE.docx&group=11)) | 2019-11-16 | 2019-12-13 |  |  |  |  |  |  | LC |
| [Q.3644 (Q.VoLTE-SAO-req)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8620) | Requirements for signalling network analyses and optimization in VoLTE ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021AC0802MSWE.docx&group=11)) | 2019-11-16 | 2019-12-13 |  |  |  |  |  |  | LC |
| [Q.3719 (Q.BNG-CFS)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8621) | Signalling requirements for the separation of control plane and user plane in vBNG (Broadband Network Gateway) ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021AD0801MSWE.docx&group=11)) | 2019-11-16 | 2019-12-13 |  |  |  |  |  |  | LC |
| [Q.3916 (Q.SQM)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8626) | Signalling requirements and architecture for the Internet service quality monitoring system ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021B20801MSWE.docx&group=11)) | 2019-11-16 | 2019-12-13 |  |  |  |  |  |  | LC |
| [Q.5002 (Q.MEA-SRA)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8623) | Signalling requirement and architecture for media service entity attachment ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021AF0803MSWE.docx&group=11)) | 2019-11-16 | 2019-12-13 |  |  |  |  |  |  | LC |
| [X.609.8 (X.mp2p-ldmp)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8624) | Managed P2P communications: Management protocol for live data sources ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021B00801MSWE.docx&group=11)) | 2019-11-16 | 2019-12-13 |  |  |  |  |  |  | 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.2244 (Y.smpp)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8603) | Service model for the Cultivation Plan Service at the pre-production stage ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200219B0801MSWE.docx&group=13)) | 2019-11-16 | 2019-12-13 |  |  |  |  |  |  | LC |
| [Y.2324 (Y.NGNe-O-arch)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8604) | Functional architecture of orchestration in NGNe ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200219C0801MSWE.docx&group=13)) | 2019-11-16 | 2019-12-13 |  |  |  |  |  |  | LC |
| [Y.2342 (Y.NGNe-BC-reqts)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8605) | Scenarios and Capability Requirements of Blockchain in Next Generation Network Evolution ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200219D0801MSWE.docx&group=13)) | 2019-11-16 | 2019-12-13 |  |  |  |  |  |  | LC |
| [Y.3108 (Y.IMT2020-CEF)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8593) | Capability exposure function in the IMT-2020 networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021910801MSWE.docx&group=13)) | 2019-11-16 | 2019-12-13 |  |  |  |  |  |  | LC |
| [Y.3132 (Y.FMC-MM)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8597) | Mobility management for fixed mobile convergence in IMT-2020 networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021950801MSWE.docx&group=13)) | 2019-11-16 | 2019-12-13 |  |  |  |  |  |  | LC |
| [Y.3133 (Y.FMC-CE)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8598) | Capability Exposure enhancement for supporting FMC in IMT-2020 networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021960801MSWE.docx&group=13)) | 2019-11-16 | 2019-12-13 |  |  |  |  |  |  | LC |
| [Y.3153 (Y.NSOM)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8596) | Network slice orchestration and management for providing network services to 3rd party in the IMT-2020 network ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021940801MSWE.docx&group=13)) | 2019-11-16 | 2019-12-13 |  |  |  |  |  |  | LC |
| [Y.3173 (Y.ML-IMT2020-Intelligence-level)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8595) | Framework for evaluating intelligence level of future networks including IMT-2020 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021930801MSWE.docx&group=13)) | 2019-11-16 | 2019-12-13 |  |  |  |  |  |  | LC |
| [Y.3174 (Y.ML-IMT2020-Data-Handling)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8594) | Framework for data handling to enable machine learning in future networks including IMT-2020 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021920801MSWE.docx&group=13)) | 2019-11-16 | 2019-12-13 |  |  |  |  |  |  | LC |
| [Y.3509 (Y.dsf-arch)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8600) | Cloud computing - Functional architecture for data storage federation ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021980801MSWE.docx&group=13)) | 2019-11-16 | 2019-12-13 |  |  |  |  |  |  | LC |
| [Y.3524 (Y.ccm-reqts)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8602) | Cloud computing maturity requirements and framework ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200219A0801MSWE.docx&group=13)) | 2019-11-16 | 2019-12-13 |  |  |  |  |  |  | LC |
| [Y.3603 (Y.bdm-sch)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8599) | Big data - Requirements and conceptual model of metadata for data catalogue ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021970801MSWE.docx&group=13)) | 2019-11-16 | 2019-12-13 |  |  |  |  |  |  | LC |
| [Y.3604 (Y.BDDP-reqts)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8601) | Big data - Overview and requirements for data preservation ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021990801MSWE.docx&group=13)) | 2019-11-16 | 2019-12-13 |  |  |  |  |  |  | LC |

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) Cor.2](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8502) | Interfaces for the optical transport network: Corrigendum 2 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021360801MSWE.docx&group=15)) | 2019-08-01 | 2019-08-28 | LJ | AR | 2019-10-16 | 2019-11-05 | AC |  | AC |
| [G.798 (2017) Amd.2](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8503) | Characteristics of optical transport network hierarchy equipment functional blocks - Amendment 2 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021370801MSWE.docx&group=15)) | 2019-08-01 | 2019-08-28 | LJ | AR | 2019-11-16 | 2019-12-06 |  |  | 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.1702 (X.qrng-a)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8582) | Quantum noise random number generator architecture ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021860801MSWE.docx&group=17)) | 2019-10-16 | 2019-11-12 | A |  |  |  |  |  | A |

Annex 2

(to TSB AAP-70)

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-70)

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.*