|  |  |  |
| --- | --- | --- |
| ITU official logo_blue_RGB | 国 际 电 信 联 盟  *电信标准化局* |  |

2019年11月16日 ，日内瓦

|  |  |  |
| --- | --- | --- |
| 参考号:  电话:  传真:  电子邮件: | **电信标准化局AAP-70**  AAP/CL  +41 22 730 5860  +41 22 730 5853  [tsbdir@itu.int](mailto:tsbdir@itu.int) | – 致国际电联成员国各主管部门；  – 致ITU-T各部门成员；  – 致ITU-T 部门准成员；  – 国际电联学术成员  **抄送：**  – 电信标准化局研究组主席和副主席；  – 电信发展局主任；  – 无线电通信局主任 |

|  |  |
| --- | --- |
| 事由: | **有关采用替换批准程序（AAP）处理的建议书的情况** |

先生/女士，

ITU-T A.8 建议书中规定的建议书替换批准程序 (AAP) 适用于那些不会产生政策或 监管影响、因而不需与成员国正式协商的建议书（见国际电联《公约》第246B款）。

**附件1**列出了那些在以往电信标准化局AAP预告后地位发生变化的案文。

如您希望针对某个适用AAP的建议书提出意见，请使用可在ITU-T网站AAP区域 （[https://www.itu.int/ITU-T/aap](https://www.itu.int/ITU-T/aap/)）的“建议书”网页上获取的《AAP意见在线提交表格》 （见**附件2**）。或者，可填妥**附件3** 中的表格并将意见发送给相关研究组的秘书处。

敬请留意，我们不鼓励提交仅支持通过所涉案文而没有实质内容的意见。

顺致敬意！

李在摄  
电信标准化局主任

**附件：3**件

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.*