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| ITU official logo_blue_RGB | Международный союз электросвязи  *Бюро стандартизации электросвязи* |  |

Женева, 16 декабря 2019

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| --- | --- | --- |
| Осн.:  Тел.:  Факс:  Эл. почта: | **TSB AAP-72**  AAP/CL  +41 22 730 5860  +41 22 730 5853  [tsbdir@itu.int](mailto:tsbdir@itu.int) | – Администрациям Государств – Членов Союза;  – Членам Сектора МСЭ-Т;  – Ассоциированным членам МСЭ-Т;  – Академическим организациям − Членам МСЭ  **Копии:**  – Председателям и заместителям председателей Исследовательских комиссий МСЭ-Т;  – Директору Бюро Развития Электросвязи;  – Директору Бюро Радиосвязи |

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| Предмет: | **Положение относительно Рекомендаций, рассматриваемых в соответствии с альтернативным процессом утверждения (АПУ)** |

Уважаемая госпожа,  
уважаемый господин,

Альтернативный процесс утверждения (АПУ), определенный в Рекомендации МСЭ-Т А.8, распространяется на Рекомендации, которые не имеют политических или регламентарных последствий и которые поэтому не требуют официальных консультаций с Государствами-Членами (см. п. 246B Конвенции МСЭ).

В **Приложении 1** содержится перечень текстов, статус которых изменился по сравнению с предыдущими объявлениями об АПУ БСЭ.

Если вы желаете представить замечания относительно какой-либо Рекомендации, рассматриваемой в соответствии с АПУ, рекомендуем Вам использовать онлайновую форму для представления замечаний по АПУ, которая размещена на странице этой Рекомендации в разделе веб-сайта МСЭ-Т, посвященном АПУ, по адресу: [http://www.itu.int/ITU-T/aap/](https://www.itu.int/ITU-T/aap/) (см. **Приложение 2**). Замечания можно представить иным способом, заполнив приведенную в **Приложении 3** форму и направив ее в секретариат заинтересованной исследовательской комиссии.

Просим принять к сведению, что не рекомендуется представлять замечания, являющиеся не чем иным, как поддержкой рассматриваемого текста.

1 января 2020 года никаких объявлений о применении АПУ не будет сделано, поскольку МСЭ будет закрыт. В связи с этим крайний срок для представления замечаний по ряду текстов в рамках АПУ был продлен.

С уважением,

Чхе Суб Ли  
Директор Бюро стандартизации электросвязи

**Приложения**: 3

Annex 1

(to TSB AAP-72)

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** |
| [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 | AR | 2019-12-16 | 2020-01-11 |  |  | AR |

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.475 (E.FINAD)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8648) | Guidelines for Intelligent Network Analytics and Diagnostics ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021C80801MSWE.docx&group=12)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [G.107.1 (2019) Cor.1](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8646) | Wideband E-model - Corrigendum 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021C60801MSWE.docx&group=12)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [G.1034 (G.RTM)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8650) | QoE metrics for mobile telephony communication during rail travel ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021CA0801MSWE.docx&group=12)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [G.1072 (G.OMG)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8651) | Opinion Model Predicting Gaming QoE for Cloud Gaming Services ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021CB0801MSWE.docx&group=12)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [P.565 (P.VSQMTF)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8647) | Framework for creation and performance testing of machine learning based models for the assessment of transmission network impact on speech quality for mobile packet-switched voice services ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021C70801MSWE.docx&group=12)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [P.918 (P.VQD)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8640) | Dimension-based Subjective Quality Evaluation for Video Content ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021C00801MSWE.docx&group=12)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [P.1150 (P.ICC)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8639) | In-Car Communication Audio Specification ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021BF0801MSWE.docx&group=12)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [P.1204 (P.NATS-ph2)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8642) | Video quality assessment of streaming services over reliable transport for resolutions up to 4K ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021C20801MSWE.docx&group=12)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [P.1204.3 (P.NATS-ph2)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8643) | Video quality assessment of streaming services over reliable transport for resolutions up to 4K with access to full bitstream information ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021C30801MSWE.docx&group=12)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [P.1204.4 (P.NATS-ph2)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8644) | Video quality assessment of streaming services over reliable transport for resolutions up to 4K with access to full and reduced reference pixel information ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021C40801MSWE.docx&group=12)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [P.1204.5 (P.NATS-ph2)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8645) | Video quality assessment of streaming services over reliable transport for resolutions up to 4K with access to transport and received pixel information ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021C50801MSWE.docx&group=12)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [P.1401](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8641) | Methods, metrics and procedures for statistical evaluation, qualification and comparison of objective quality prediction models ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021C10801MSWE.docx&group=12)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [P.1502 (P.DFSm)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8649) | Methodology for QoE testing of digital financial services ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021C90801MSWE.docx&group=12)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [Y.1540](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8439) | Internet protocol data communication service - IP packet transfer and availability performance parameters ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020F70801MSWE.docx&group=12)) | 2019-06-01 | 2019-06-28 | LJ | AR | 2019-09-16 | 2019-10-06 | AJ | SG | AC |
| [Y.1540 Amd.1](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8652) | Internet protocol data communication service - IP packet transfer and availability performance parameters - Amendment 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021CC0801MSWE.docx&group=12)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | 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.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 | AC |  | AC |
| [G.9804.1 (G.hsp.req)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8488) | Higher Speed Passive Optical Networks: Requirements ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021280801MSWE.docx&group=15)) | 2019-08-01 | 2019-08-28 | LJ | AR | 2019-11-01 | 2019-11-21 | AJ | AC | AC |

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.4208 (Y.IoT-EC-reqts)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8628) | IoT requirements for support of edge computing ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021B40801MSWE.docx&group=20)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [Y.4209 (Y.smartport)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8629) | Requirements for interoperation of the smart port with the smart city ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021B50801MSWE.docx&group=20)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [Y.4459 (Y.IoT-Interop)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8380) | Digital entity architecture framework for IoT interoperability ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020BC0801MSWE.docx&group=20)) | 2019-01-16 | 2019-02-12 | LJ | AR | 2019-12-16 | 2020-01-11 |  |  | AR |
| [Y.4461 (Y.SC-OpenData)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8627) | Framework of open data in smart cities ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021B30801MSWE.docx&group=20)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [Y.4462 (Y.IoT-ics)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8630) | Requirements and functional architecture of open IoT identity correlation service ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021B60801MSWE.docx&group=20)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [Y.4463 (Y.del-fw)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8633) | Framework of delegation service for IoT devices ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021B90801MSWE.docx&group=20)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [Y.4464 (Y.IoT-BoT-fw)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8634) | Framework of blockchain of things as decentralized service platform ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021BA0802MSWE.docx&group=20)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [Y.4465 (Y.IoT-VLC)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8635) | Framework of IoT Services based on Visible Light Communications ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021BB0801MSWE.docx&group=20)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [Y.4466 (Y.ISG-fr)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8636) | Framework of smart greenhouse service ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021BC0801MSWE.docx&group=20)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [Y.4467 (Y.AERS-msd)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8631) | Minimum set of data structure for automotive emergency response system ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021B70802MSWE.docx&group=20)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [Y.4468 (Y.AERS-mtp)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8632) | Minimum set of data transfer protocol for automotive emergency response system ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021B80802MSWE.docx&group=20)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [Y.4807 (Y.IoT-Agility)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8637) | Agility by design for Telecommunications/ICT Systems Security used in the Internet of Things ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021BD0802MSWE.docx&group=20)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [Y.4903 (Y.4903rev)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8638) | Key performance indicators for smart sustainable cities to assess the achievement of sustainable development goals ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021BE0801MSWE.docx&group=20)) | 2019-12-16 | 2020-01-12 |  |  |  |  |  |  | LC |
| [Y.4904 (Y.SSC-MM)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8382) | Smart sustainable cities maturity model ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020020BE0801MSWE.docx&group=20)) | 2019-01-16 | 2019-02-12 | LJ | AR | 2019-05-16 | 2019-06-05 | SG |  | AC |

Annex 2

(to TSB AAP-72)

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-72)

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.*