|  |  |  |
| --- | --- | --- |
|  | الا تحــاد الــدولي للاتصــالات  *مكتب تقييس الاتصالات* | ITU official logo_blue_RGB |

|  |  |  |
| --- | --- | --- |
|  |  | جنيف، 16 فبراير 2022 |
| المرجع:    الهاتف:  الفاكس:  البريد الإلكتروني: | **TSB AAP-121**  AAP/CL  +41 22 730 5860  +41 22 730 5853  tsbdir@itu.int | - إلى إدارات الدول الأعضاء في الاتحاد؛  - إلى أعضاء قطاع تقييس الاتصالات؛  - إلى المنتسبين إلى قطاع تقييس الاتصالات؛  - الهيئات الأكاديمية المنضمة إلى الاتحاد  **نسخة إلى:**  - رؤساء لجان الدراسات في قطاع تقييس الاتصالات ونوابهم؛  - مدير مكتب تنمية الاتصالات؛  - مدير مكتب الاتصالات الراديوية |

الموضوع: **حالة التوصيات الخاضعة لعملية الموافقة البديلة (AAP)**

حضرات السادة والسيدات،

تحية طيبة وبعد،

تنطبق عملية الموافقة البديلة (AAP) المعرفة في التوصية ITU‑T A.8 على التوصيات التي لا تنطوي على بعد سياسي أوتنظيمي ولا تتطلب بالتالي استشارة الدول الأعضاء رسمياً (انظر الرقم 246B من اتفاقية الاتحاد).

ويتضمن **الملحق 1** لائحة بالنصوص التي تغيرت حالتها مقارنة بما جاء في إعلانات عملية الموافقة البديلة السابقة.

إذا رغبتم في تقديم تعليق بشأن توصية ما خاضعة لعملية الموافقة البديلة، فنرجو منكم استعمال استمارة التعليق على الخط المتوفّرة على موقع قطاع تقييس الاتصالات على صفحة عملية الموافقة البديلة [https://www.itu.int/ITU-T/aap](https://www.itu.int/ITU-T/aap/) على المدخل الخاص بالتوصية المعنية (انظر **الملحق** (**2**. وبديلاً من ذلك، يمكنكم تقديم التعليقات باستكمال الاستمارة الواردة في **الملحق 3** وإرسالها إلى أمانة لجنة الدراسات المعنية بالأمر.

وتجدر الإشارة إلى أنه يفضّل عدم إرسال تعليقات تقتصر على تأييد اعتماد النص قيد النظر.

وتفضلوا بقبول فائق الاحترام والتقدير.

تشيساب لي  
مدير مكتب تقييس الاتصالات

**الملحقات:** 3

Annex 1

(to TSB AAP-121)

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.1016 (L.TWS)](https://www.itu.int/t/aap/recdetails/10155) | Method for Evaluation of the Environmental, Health and Safety Performance of True Wireless Stereo Headphones ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027AB0801MSWE.docx&group=5)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [L.1035 (L.SM\_Batteries)](https://www.itu.int/t/aap/recdetails/10145) | Sustainable Management of Batteries ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027A10801MSWE.docx&group=5)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [L.1036 (L.ewaste-base\_station)](https://www.itu.int/t/aap/recdetails/10156) | Scheduled Waste Management for Base Station (inclusive of e-waste) ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027AC0801MSWE.docx&group=5)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |

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.3061 (Q.SFPtr)](https://www.itu.int/t/aap/recdetails/10144) | Signalling requirements for service function paths load balancing traceroute in service function chaining ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027A00801MSWE.docx&group=11)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [Q.3631 (Q.ISDN-SIP)](https://www.itu.int/t/aap/recdetails/10178) | Interworking between ISDN and the IP Multimedia (IM) Core Network (CN) subsystem ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027C20801MSWE.docx&group=11)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [Q.3646 (Q.VoLTE-SAO-FP)](https://www.itu.int/t/aap/recdetails/10179) | Framework and protocols for signalling network analyses and optimization in VoLTE ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027C30801MSWE.docx&group=11)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [Q.4102 (Q.HP2P-pp)](https://www.itu.int/t/aap/recdetails/10182) | Hybrid peer-to-peer (P2P) communications: Peer protocol ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027C60801MSWE.docx&group=11)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [Q.4103 (Q.HP2P-omp)](https://www.itu.int/t/aap/recdetails/10183) | Hybrid peer-to-peer (P2P) communications: Overlay management protocol ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027C70801MSWE.docx&group=11)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [Q.5003 (Q.FMEC-SRA)](https://www.itu.int/t/aap/recdetails/10181) | Signalling requirement and architecture for federated multi-access edge computing ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027C50801MSWE.docx&group=11)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [Q.5024 (Q.IMT2020-PIAS)](https://www.itu.int/t/aap/recdetails/10180) | Protocol for providing intelligent analysis services in IMT-2020 network ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027C40801MSWE.docx&group=11)) | 2022-01-16 | 2022-02-12 | 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** | **LC Result** | **LJ Result** | **AR Start** | **AR End** | **AR Result** | **AJ Result** |
| [Y.3078 (Y.ICN-DOS)](https://www.itu.int/t/aap/recdetails/10114) | Information centric networking for IMT-2020 and beyond - Requirements and capabilities of data object segmentation ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027820801MSWE.docx&group=13)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [Y.3090 (Y.DTN-ReqArch)](https://www.itu.int/t/aap/recdetails/10115) | Digital twin network - Requirements and architecture ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027830801MSWE.docx&group=13)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [Y.3114 (Y.IMT2020-LC-req-arch)](https://www.itu.int/t/aap/recdetails/10111) | Future networks including IMT-2020: requirements and functional architecture of lightweight core for dedicated networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200277F0801MSWE.docx&group=13)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [Y.3115 (Y.IMT2020-AIICDN-arch)](https://www.itu.int/t/aap/recdetails/10112) | AI enabled cross-domain network architectural requirements and framework for future networks including IMT-2020 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027800801MSWE.docx&group=13)) | 2022-01-16 | 2022-02-12 | LJ |  |  |  |  |  | LJ |
| [Y.3116 (Y.IMT2020-mAI)](https://www.itu.int/t/aap/recdetails/10113) | Traffic typization IMT-2020 management based on an artificial intelligent approach ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027810801MSWE.docx&group=13)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [Y.3180 (Y.MecTA-ML)](https://www.itu.int/t/aap/recdetails/10117) | Mechanism of traffic awareness for application-descriptor-agnostic traffic based on machine learning ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027850801MSWE.docx&group=13)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [Y.3200 (Y.FMSC-req)](https://www.itu.int/t/aap/recdetails/10116) | Fixed, mobile and satellite convergence - Requirements for IMT-2020 network and beyond ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027840801MSWE.docx&group=13)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [Y.3505 (Y.3505 (Rev))](https://www.itu.int/t/aap/recdetails/10119) | Cloud computing – Overview and functional requirements for data storage federation ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027870801MSWE.docx&group=13)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [Y.3528 (Y.ccfrcm)](https://www.itu.int/t/aap/recdetails/10122) | Cloud computing - Framework and requirements of container management in inter-cloud ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200278A0801MSWE.docx&group=13)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [Y.3529 (Y.ccvnf-dm)](https://www.itu.int/t/aap/recdetails/10123) | Cloud computing - Data model framework for NaaS OSS virtualized network function ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200278B0801MSWE.docx&group=13)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [Y.3535 (Y.cccm-reqts)](https://www.itu.int/t/aap/recdetails/10120) | Cloud Computing - Functional requirements for container ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027880801MSWE.docx&group=13)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [Y.3536 (Y.csb-arch)](https://www.itu.int/t/aap/recdetails/10121) | Cloud computing - Functional architecture for cloud service brokerage ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027890801MSWE.docx&group=13)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [Y.3654 (Y.bDDN-MLMec)](https://www.itu.int/t/aap/recdetails/10118) | Big data driven networking - Machine learning mechanism ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027860801MSWE.docx&group=13)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [Y.3680 (Y.MLN-Fr)](https://www.itu.int/t/aap/recdetails/10157) | Framework of human-like networking ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027AD0801MSWE.docx&group=13)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [Y.3807 (Y.QKDN\_QoS\_pa)](https://www.itu.int/t/aap/recdetails/10109) | Quantum Key Distribution networks - QoS parameters ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200277D0801MSWE.docx&group=13)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [Y.3808 (Y.QKDN\_frint)](https://www.itu.int/t/aap/recdetails/10125) | Framework for integration of quantum key distribution network and secure storage network ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200278D0801MSWE.docx&group=13)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [Y.3809 (Y.QKDN\_BM)](https://www.itu.int/t/aap/recdetails/10124) | Quantum Key Distribution Networks - Business role-based models ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200278C0801MSWE.docx&group=13)) | 2022-01-16 | 2022-02-12 | LJ |  |  |  |  |  | LJ |

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.709.4/Y.1331.4 (2020) Cor. 2](https://www.itu.int/t/aap/recdetails/10176) | OTU25 and OTU50 short-reach interfaces - Corrigendum 2 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027C00801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.709/Y.1331 (2020) Amd. 2](https://www.itu.int/t/aap/recdetails/10175) | Interfaces for the optical transport network - Amendment 2 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027BF0801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.781.1](https://www.itu.int/t/aap/recdetails/10192) | Synchronization Layer Functions for packet-based synchronization ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027D00801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.798 (2017) Amd. 4](https://www.itu.int/t/aap/recdetails/10177) | Characteristics of Optical Transport Network Hierarchy Equipment Functional Blocks - Amendment 4 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027C10801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | LJ |  |  |  |  |  | LJ |
| [G.800 (2016) Cor. 1](https://www.itu.int/t/aap/recdetails/10189) | Unified functional architecture of transport networks - Corrigendum 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027CD0801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.805 (2000) Cor. 1](https://www.itu.int/t/aap/recdetails/10190) | Generic functional architecture of transport networks Corrigendum 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027CE0801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.873.1 (2017) Amd. 1](https://www.itu.int/t/aap/recdetails/10184) | Optical transport network: Linear protection - Amendment 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027C80801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.984.5](https://www.itu.int/t/aap/recdetails/10159) | Gigabit-capable passive optical networks (G-PON): Enhancement band ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027AF0801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.988 (2017) Amd. 5](https://www.itu.int/t/aap/recdetails/10161) | ONU management and control interface (OMCI) specification: Amendment 5 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027B10801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | LJ |  |  |  |  |  | LJ |
| [G.994.1 (2021) Amd. 1](https://www.itu.int/t/aap/recdetails/10163) | Handshake procedures for digital subscriber line transceivers - Amendment 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027B30801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | LJ |  |  |  |  |  | LJ |
| [G.997.2 (2019) Amd. 3](https://www.itu.int/t/aap/recdetails/10164) | Physical layer management for G.fast transceivers: Amendment 3 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027B40801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.997.3 (2021) Amd. 1](https://www.itu.int/t/aap/recdetails/10165) | Physical layer management for MGfast transceivers - Amendment 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027B50801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | LJ |  |  |  |  |  | LJ |
| [G.7701](https://www.itu.int/t/aap/recdetails/10187) | Common control aspects ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027CB0801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | LJ |  |  |  |  |  | LJ |
| [G.7702](https://www.itu.int/t/aap/recdetails/10188) | Architecture for SDN control of transport networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027CC0801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | LJ |  |  |  |  |  | LJ |
| [G.7711/Y.1702](https://www.itu.int/t/aap/recdetails/10201) | Generic protocol-neutral information model for transport resources ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027D90801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.7712/Y.1703 (2019) Amd. 1](https://www.itu.int/t/aap/recdetails/10199) | Architecture and specification of data communication network - Amendment 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027D70801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.7721.1](https://www.itu.int/t/aap/recdetails/10200) | Data model of synchronization management ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027D80801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | LJ |  |  |  |  |  | LJ |
| [G.8012/Y.1308](https://www.itu.int/t/aap/recdetails/10172) | Ethernet UNI and Ethernet NNI ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027BC0801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.8021/Y.1341](https://www.itu.int/t/aap/recdetails/10173) | Characteristics of Ethernet transport network equipment functional blocks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027BD0801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | LJ |  |  |  |  |  | LJ |
| [G.8023 (2018) Amd.1](https://www.itu.int/t/aap/recdetails/10185) | Characteristics of equipment functional blocks supporting Ethernet physical layer and Flex Ethernet interfaces - Amendment 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027C90801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.8032/Y.1344 (2020) Cor. 1](https://www.itu.int/t/aap/recdetails/10174) | Ethernet ring protection switching - Corrigendum 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027BE0801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.8265.1/Y.1365.1 (2021) Amd. 1](https://www.itu.int/t/aap/recdetails/10193) | Precision time protocol telecom profile for frequency synchronization - Amendment1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027D10801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.8271.1/Y.1366.1 (2020) Amd. 2](https://www.itu.int/t/aap/recdetails/10194) | Network limits for time synchronization in Packet networks with full timing support from the network - Amendment 2 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027D20801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.8273.2/Y.1368.2 (2020) Amd. 1](https://www.itu.int/t/aap/recdetails/10195) | Timing characteristics of telecom boundary clocks and telecom time slave clocks for use with full timing support from the network - Amendment 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027D30801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | AT |  |  |  |  |  | AT |
| [G.8275.1/Y.1369.1 (2020) Amd.3](https://www.itu.int/t/aap/recdetails/10197) | Precision time protocol telecom profile for phase/time synchronization with full timing support from the network - Amendment 3 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027D50804MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.8275.2/Y.1369.2 (2020) Amd.3](https://www.itu.int/t/aap/recdetails/10198) | Precision time protocol telecom profile for phase/time synchronization with partial timing support from the network - Amendment 3 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027D60801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.8275/Y.1369 (2020) Amd. 2](https://www.itu.int/t/aap/recdetails/10196) | Architecture and requirements for packet-based time and phase distribution - Amendment 2 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027D40801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.8310 (2020) Cor. 1](https://www.itu.int/t/aap/recdetails/10191) | Architecture of the metro transport network - Corrigendum 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027CF0801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.8312 (2020) Amd. 1](https://www.itu.int/t/aap/recdetails/10205) | Interfaces for metro transport networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027DD0801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.8331 (G.mtn-prot)](https://www.itu.int/t/aap/recdetails/10186) | Metro transport network (MTN) linear protection ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027CA0801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.9701 (2019) Amd.4](https://www.itu.int/t/aap/recdetails/10168) | Fast access to subscriber terminals (G.fast) - Physical layer specification: Amendment 4 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027B80803MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.9702 (G.fastback)](https://www.itu.int/t/aap/recdetails/10166) | Transceiver and system specifications for backhaul applications based on G.fast (G.fastback) ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027B60801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | LJ |  |  |  |  |  | LJ |
| [G.9711 (2021) Amd. 1](https://www.itu.int/t/aap/recdetails/10162) | Multi-gigabit fast access to subscriber terminals (MGfast) - Physical layer specification - Amendment 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027B20801MSWE.doc&group=15)) | 2022-01-16 | 2022-02-12 | LJ |  |  |  |  |  | LJ |
| [G.9803 (2018) Amd.2](https://www.itu.int/t/aap/recdetails/10167) | Radio over fibre systems - Amendment 2 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027B70801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.9805](https://www.itu.int/t/aap/recdetails/10160) | Coexistence of Passive Optical Network Systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027B00801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.9806 (2020) Cor. 1](https://www.itu.int/t/aap/recdetails/10158) | Higher speed bidirectional, single fibre, point-to-point optical access system - Corrigendum 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027AE0801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.9960 (2018) Amd. 3](https://www.itu.int/t/aap/recdetails/10202) | Unified high-speed wire-line based home networking transceivers - System architecture and physical layer specification - Amendment 3 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027DA0801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [G.9961 (2018) Amd. 4](https://www.itu.int/t/aap/recdetails/10203) | Unified high-speed wireline-based home networking transceivers – Data link layer specification: Amendment 4 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027DB0801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | LJ |  |  |  |  |  | LJ |
| [G.9978 (2018) Amd. 1](https://www.itu.int/t/aap/recdetails/10204) | Secure admission in G.hn network - Amendment 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027DC0801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | LJ |  |  |  |  |  | LJ |
| [L.209 (L.font)](https://www.itu.int/t/aap/recdetails/10171) | Requirements for Fiibre Optic Network Terminal Box (FONT) ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027BB0801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [L.316 (L.cid)](https://www.itu.int/t/aap/recdetails/10170) | Cable identification for the construction and maintenance of optical fibre cable networks with optical sensing technique ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027BA0801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | A |  |  |  |  |  | A |
| [L.400/L.12](https://www.itu.int/t/aap/recdetails/10169) | Optical fibre splices ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027B90801MSWE.docx&group=15)) | 2022-01-16 | 2022-02-12 | 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** | **LC Result** | **LJ Result** | **AR Start** | **AR End** | **AR Result** | **AJ Result** |
| [F.743.13 (F.CMEGReqs)](https://www.itu.int/t/aap/recdetails/10216) | Requirements for cooperation of multiple edge gateways ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027E80801MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [F.743.14 (F.VDSSReqs)](https://www.itu.int/t/aap/recdetails/10217) | Requirements for video distribution systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027E90801MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [F.743.15 (F.MOCN-MS)](https://www.itu.int/t/aap/recdetails/10218) | Requirements for multi-operator core network enabled multimedia services ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027EA0801MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [F.743.16 (F.IVS-CRM)](https://www.itu.int/t/aap/recdetails/10212) | Requirements for communication resource management in intelligent visual surveillance system ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027E40801MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [F.743.17 (F.CGS-RAS)](https://www.itu.int/t/aap/recdetails/10223) | Requirements for cloud gaming system ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027EF0801MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [F.746.12 (F.RIMSReqs)](https://www.itu.int/t/aap/recdetails/10220) | Requirements for a real-time interactive multimedia service under poor network conditions ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027EC0801MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [F.746.13 (F.IMCS)](https://www.itu.int/t/aap/recdetails/10227) | Requirements for smart speaker based intelligent multimedia communication system ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027F30802MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [F.748.14 (F.DH-2D)](https://www.itu.int/t/aap/recdetails/10228) | Requirements and evaluation methods of non-interactive 2D real-person digital human application systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027F40801MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [F.748.15 (F.DH-FM)](https://www.itu.int/t/aap/recdetails/10229) | Framework and metrics for digital human application systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027F50802MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [F.748.16 (F.MVSreqs)](https://www.itu.int/t/aap/recdetails/10215) | Requirements for machine vision-based applications and services in smart manufacturing ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027E70801MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [F.749.15 (F.CUAV-IXS)](https://www.itu.int/t/aap/recdetails/10219) | Requirements for inspection and examination services using civilian unmanned aerial vehicles ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027EB0802MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [F.751.3 (F.DLT-CHM)](https://www.itu.int/t/aap/recdetails/10221) | Requirements for change management in DLT-based decentralized applications ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027ED0801MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [F.751.4 (H.DLT-INV)](https://www.itu.int/t/aap/recdetails/10222) | General framework for DLT-based invoices ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027EE0801MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [F.780.1 (V2)](https://www.itu.int/t/aap/recdetails/10225) | Framework for telemedicine systems using ultra-high definition imaging ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027F10801MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [F.780.2 (F.ACC-TH)](https://www.itu.int/t/aap/recdetails/10224) | Accessibility of telehealth services ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027F00801MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [H.225.0 (V8)](https://www.itu.int/t/aap/recdetails/10208) | Call signalling protocols and media stream packetization for packet-based multimedia communication systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027E00801MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [H.235.10 (H.235.DTLS)](https://www.itu.int/t/aap/recdetails/10209) | H.323 security: Support of DTLS for media streams ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027E10801MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [H.245 (V17)](https://www.itu.int/t/aap/recdetails/10210) | Control protocol for multimedia communication ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027E20801MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [H.323 (V8)](https://www.itu.int/t/aap/recdetails/10207) | Packet-based multimedia communications systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027DF0801MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [H.626.5 (V2)](https://www.itu.int/t/aap/recdetails/10213) | Architecture for intelligent video surveillance systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027E50801MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [H.627.2 (H.HVSProt)](https://www.itu.int/t/aap/recdetails/10211) | Requirements and protocols for home surveillance systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027E30801MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [H.721 (V3)](https://www.itu.int/t/aap/recdetails/10214) | IPTV terminal devices: Basic model ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027E60801MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |
| [H.870 (V2)](https://www.itu.int/t/aap/recdetails/10226) | Guidelines for safe listening devices/systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027F20801MSWE.docx&group=16)) | 2022-02-16 | 2022-03-15 |  |  |  |  |  |  | LC |

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.1712 (2021) Cor.1](https://www.itu.int/t/aap/recdetails/10206) | Security requirements and measures for QKD networks - key management: Corrigendum 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027DE0801MSWE.docx&group=17)) | 2022-01-16 | 2022-02-12 | 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.4903 (Y.4903rev)](https://www.itu.int/t/aap/recdetails/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 | LJ | AR | 2022-02-16 | 2022-03-08 |  |  | AR |

Annex 2

(to TSB AAP-121)

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-121)

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.*