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

Geneva, 16 December 2022

|  |  |  |
| --- | --- | --- |
| Ref:Tel:Fax:E-mail: | **TSB AAP-19**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;– 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-19)

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 |
| SG 3 | <https://www.itu.int/ITU-T/studygroups/com03> | tsbsg3@itu.int |
| SG 5 | <https://www.itu.int/ITU-T/studygroups/com05> | tsbsg5@itu.int |
| SG 9 | <https://www.itu.int/ITU-T/studygroups/com09> | tsbsg9@itu.int |
| SG 11 | <https://www.itu.int/ITU-T/studygroups/com11> | tsbsg11@itu.int |
| SG 12 | <https://www.itu.int/ITU-T/studygroups/com12> | tsbsg12@itu.int |
| SG 13 | <https://www.itu.int/ITU-T/studygroups/com13> | tsbsg13@itu.int |
| SG 15 | <https://www.itu.int/ITU-T/studygroups/com15> | tsbsg15@itu.int |
| SG 16 | <https://www.itu.int/ITU-T/studygroups/com16> | tsbsg16@itu.int |
| SG 17 | <https://www.itu.int/ITU-T/studygroups/com17> | tsbsg17@itu.int |
| SG 20 | <https://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** |
| [L.1480 (L.Enablement)](https://www.itu.int/t/aap/recdetails/10272) | Enabling the Net Zero transition: Assessing how the use of ICT solutions impacts GHG emissions of other sectors ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028200801MSWE.docx&group=5)) | 2022-07-16 | 2022-08-12 | LJ | AR | 2022-09-16 | 2022-10-06 | SG |  | AC |
| [L.1481 (L.Connect2030)](https://www.itu.int/t/aap/recdetails/10273) | Guidance on how to address Connect2030 targets on net abatement ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028210801MSWE.docx&group=5)) | 2022-10-01 | 2022-10-28 | LJ | AR | 2022-11-16 | 2022-12-06 | AC |  | AC |

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.2247 (Y.frd)](https://www.itu.int/t/aap/recdetails/10409) | Framework and Requirements of Network-oriented Data Integrity Verification Service based on Blockchain in Future Network ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028A90801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 |  |  |  |  |  |  | LC |
| [Y.2248 (Y.esm)](https://www.itu.int/t/aap/recdetails/10410) | Service model for Entry-level Smart Farm ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028AA0801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 |  |  |  |  |  |  | LC |
| [Y.3119 (Y.IMT2020-DN-CCF)](https://www.itu.int/t/aap/recdetails/10411) | Future networks including IMT-2020: capability classification framework for dedicated networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028AB0801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 |  |  |  |  |  |  | LC |
| [Y.3120 (Y.IMT2020-fa-lg-lsn)](https://www.itu.int/t/aap/recdetails/10412) | Functional Architecture for latency guarantee in large scale networks including IMT-2020 and beyond ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028AC0801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 |  |  |  |  |  |  | LC |
| [Y.3121 (Y.IMT2020-det-qos-reqts-lan)](https://www.itu.int/t/aap/recdetails/10413) | QoS requirements and framework for supporting deterministic communication services in local area network for IMT-2020 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028AD0801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 |  |  |  |  |  |  | LC |
| [Y.3140 (Y.SBN-TR)](https://www.itu.int/t/aap/recdetails/10414) | Service brokering network framework for Trusted Reality ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028AE0801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 |  |  |  |  |  |  | LC |
| [Y.3159 (Y.IMT-2020-NSL-fra)](https://www.itu.int/t/aap/recdetails/10415) | Framework for classifying network slice level in future networks including IMT-2020 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028AF0801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 |  |  |  |  |  |  | LC |
| [Y.3183 (Y.ML-IMT2020-VNS)](https://www.itu.int/t/aap/recdetails/10416) | Framework for network slicing management assisted by machine learning leveraging QoE feedback from verticals ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028B00802MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 |  |  |  |  |  |  | LC |
| [Y.3201 (Y.FMSC-frame)](https://www.itu.int/t/aap/recdetails/10417) | Fixed, mobile and satellite convergence – Framework for IMT-2020 networks and beyond ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028B10801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 |  |  |  |  |  |  | LC |
| [Y.3325 (Y.DL-AINW-fra)](https://www.itu.int/t/aap/recdetails/10418) | Framework for high-level AI-based management communicating with external management systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028B20801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 |  |  |  |  |  |  | LC |
| [Y.3539 (Y.ccrm)](https://www.itu.int/t/aap/recdetails/10419) | Cloud computing - Framework of risk management ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028B30801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 |  |  |  |  |  |  | LC |
| [Y.3607 (Y.bdp-arch)](https://www.itu.int/t/aap/recdetails/10420) | Big data – Functional architecture for data provenance ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028B40801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 |  |  |  |  |  |  | LC |
| [Y.3813 (Y.QKDN-iwrq)](https://www.itu.int/t/aap/recdetails/10421) | Quantum key distribution networks interworking – functional requirements ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028B50801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 |  |  |  |  |  |  | LC |
| [Y.3814 (Y.QKDN-ml-fra)](https://www.itu.int/t/aap/recdetails/10422) | Quantum key distribution networks - functional requirements and architecture for machine learning enablement ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028B60801MSWE.docx&group=13)) | 2022-12-16 | 2023-01-12 |  |  |  |  |  |  | LC |

Situation concerning Study Group 15 Recommendations under AAP

| **Rec #** | **Title** | **Last Call (LC) Period** | **Additional Review (AR) Period** | Status |
| --- | --- | --- | --- | --- |
| **LC Start** | **LC End** | **LCResult** | **LJResult** | **AR Start** | **AR End** | **ARResult** | **AJResult** |
| [G.8052.1/Y.1346.1 (2021) Amd.1](https://www.itu.int/t/aap/recdetails/10365) | Operation, administration, maintenance (OAM) management information and data models for the Ethernet-transport network element - Amendment 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200287D0801MSWE.docx&group=15)) | 2022-10-16 | 2022-11-12 | LJ | AR | 2022-12-16 | 2023-01-12 |  |  | AR |
| [G.8152.1/Y.1375.1 (2021) Amd.1](https://www.itu.int/t/aap/recdetails/10408) | Operation, administration, maintenance (OAM) management information and data models for the MPLS-TP network element - Amendment 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028A80801MSWE.docx&group=15)) | 2022-11-16 | 2022-12-13 | LJ |  |  |  |  |  | LJ |

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.742.1 (F.SCAI)](https://www.itu.int/t/aap/recdetails/10378) | Requirements for smart class based on artificial intelligence ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200288A0801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [F.743.18 (F.5GUHDC)](https://www.itu.int/t/aap/recdetails/10379) | Requirements for IMT-2020 ultra-high definition surveillance camera ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200288B0801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [F.743.19 (F.IVS-ISC)](https://www.itu.int/t/aap/recdetails/10380) | Requirements for intelligent surveillance camera in intelligent video surveillance systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200288C0801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [F.743.22 (F.ATVSReqs)](https://www.itu.int/t/aap/recdetails/10381) | Requirements and architecture of algorithm training system for intelligent video surveillance ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200288D0801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [F.746.14 (F.CVR-RRF)](https://www.itu.int/t/aap/recdetails/10382) | Requirements and reference framework for cloud virtual reality systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200288E0801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [F.746.15 (F.SBNG)](https://www.itu.int/t/aap/recdetails/10383) | Requirements for smart broadband network gateway in multimedia content transmission ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200288F0801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [F.746.16 (F.AI-ILICSS)](https://www.itu.int/t/aap/recdetails/10384) | Technical requirements and evaluation methods of intelligent levels of intelligent customer service systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028900801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [F.746.17 (F.MPSReqs)](https://www.itu.int/t/aap/recdetails/10385) | Requirements for media processing services ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028910801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [F.747.11 (F.AI-ISD)](https://www.itu.int/t/aap/recdetails/10386) | Requirements for intelligent surface-defect detection service in industrial production line ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028920801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [F.747.12 (F.AI-MVSLWS)](https://www.itu.int/t/aap/recdetails/10387) | Requirements for artificial intelligence based machine vision system in smart logistics warehouse ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028930801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [F.748.17 (F.AICP-MD)](https://www.itu.int/t/aap/recdetails/10388) | Technical specification for artificial intelligence cloud platform: AI model development ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028940801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [F.748.18 (F.AI-DLEMT)](https://www.itu.int/t/aap/recdetails/10389) | Metric and evaluation methods for AI-enabled multimedia application computing power benchmark ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028950801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [F.748.19 (F.AI-FASD)](https://www.itu.int/t/aap/recdetails/10390) | Framework for audio structuralizing based on deep neural network ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028960801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [F.748.20 (F.AI-DMPC)](https://www.itu.int/t/aap/recdetails/10391) | Technical framework for deep neural network model partition and collaborative execution ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028970801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [F.748.21 (F.FDIS)](https://www.itu.int/t/aap/recdetails/10392) | Requirements and framework for feature-based distributed intelligent systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028980801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [F.751.5 (F.DLT-DMPG)](https://www.itu.int/t/aap/recdetails/10393) | Requirements for distributed ledger technology-based power grid data management ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028990801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [F.751.6 (H.DLT-PAM)](https://www.itu.int/t/aap/recdetails/10394) | Performance assessment methods for distributed ledger technology platforms ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200289A0801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [F.751.7 (H.DLT-FAM)](https://www.itu.int/t/aap/recdetails/10395) | Functional assessment methods for distributed ledger technology platforms ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200289B0801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [F.760.1 (F.EMRESCUE)](https://www.itu.int/t/aap/recdetails/10396) | Requirements and reference framework for emergency rescue systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200289C0801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [F.780.3 (F.TCUR-UHD)](https://www.itu.int/t/aap/recdetails/10397) | Use cases and requirements for ultra-high-definition teleconsulting system ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200289D0801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [G.168 (2015) Cor.1](https://www.itu.int/t/aap/recdetails/10398) | Digital network echo cancellers: Reference error corrections ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200289E0801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [H.222.0 (Ed.8) Amd.1](https://www.itu.int/t/aap/recdetails/10399) | Information technology - Generic coding of moving pictures and associated audio information: Systems: Carriage of LCEVC and other improvements ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200289F0801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [H.222.0 (Ed.8) Cor.1](https://www.itu.int/t/aap/recdetails/10400) | Information technology - Generic coding of moving pictures and associated audio information: Systems: Adding missing field compatibleProfileSetsPresent ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028A00801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [H.245 (V17) Cor.1](https://www.itu.int/t/aap/recdetails/10401) | Control protocol for multimedia communication: ASN.1 error corrections ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028A10801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [H.627.3 (H.PIVSS)](https://www.itu.int/t/aap/recdetails/10402) | Protocols for intelligent video surveillance systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028A20801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [H.644.5 (H.MCDN-CRRS)](https://www.itu.int/t/aap/recdetails/10403) | Functional architecture of content request routing service in multimedia content delivery networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028A30801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [H.845.10](https://www.itu.int/t/aap/recdetails/10404) | Conformance of ITU-T H.810 personal health system: Personal Health Devices interface Part 5J: Insulin pump ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028A40801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |
| [T.808 (V2)](https://www.itu.int/t/aap/recdetails/10405) | Information technology – JPEG 2000 image coding system: Interactivity tools, APIs and protocols ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020028A50801MSWE.docx&group=16)) | 2022-11-16 | 2022-12-13 | A |  |  |  |  |  | A |

Annex 2

(to TSB AAP-19)

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-19)

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* *[or fax +41 22 730 5853]
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