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| ITU official logo_blue_RGB | Unión Internacional de Telecomunicaciones*Oficina de Normalización de las Telecomunicaciones* |  |

Ginebra, 01 de septiembre de 2020

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| Ref:Tel:Fax:Correo-e: | **TSB AAP-88**AAP/CL+41 22 730 5860+41 22 730 5853tsbdir@itu.int | – A las Administraciones de los Estados Miembros de la Unión;– A los Miembros del Sector UIT‑T;– A los Asociados del UIT‑T;– A las Instituciones Académicas de la UIT**Copia**:– A los Presidentes y a los Vicepresidentes de las Comisiones de Estudio del UIT‑T;– Al Director de la Oficina de Desarrollo de las Telecomunicaciones;– Al Director de la Oficina de Radiocomunicaciones |

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| Asunto: | **Situación de las Recomendaciones sometidas al proceso de aprobación alternativo (AAP)** |

Muy señora mía/Muy señor mío:

El proceso de aprobación alternativo (AAP) definido en la Recomendación A.8 del UIT-T se aplica a las Recomendaciones que no tienen consecuencias en materia de política o reglamentación y que no requieren, por lo tanto, la consulta formal de los Estados Miembros (véase el número 246B del Convenio de la UIT).

En el **anexo 1** se enumera la lista de los textos cuyo estado ha cambiado con respecto a los anuncios TSB AAP precedentes.

Si desea formular un comentario en relación con una Recomendación sometida al AAP, le alentamos a utilizar el formulario de presentación de comentarios disponible en la página de la Recomendación que figura en el área AAP del sitio web del UIT-T, en la dirección <https://www.itu.int/ITU-T/aap/> (véase también el **anexo 2**). Alternativamente, pueden presentarse comentarios completando el formulario del **anexo 3** y remitiéndolo a la secretaría de la Comisión de Estudio correspondiente.

Le rogamos tenga en cuenta que no se alientan comentarios que se limiten a apoyar la adopción del texto en cuestión.

Le saluda atentamente,

Chaesub Lee
Director de la Oficina de
Normalización de las Telecomunicaciones

**Anexos:** 3

Annex 1

(to TSB AAP-88)

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.1023 (L.CE\_2)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8738) | Assessment method for Circular Scoring ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022220801MSWE.docx&group=5)) | 2020-06-01 | 2020-06-28 | LJ | AR | 2020-09-01 | 2020-09-21 |  |  | AR |
| [L.1310 (Revision of ITU-T L.1310)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8733) | Energy efficiency metrics and measurement methods for telecommunication equipment ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200221D0801MSWE.docx&group=5)) | 2020-06-01 | 2020-06-28 | LJ | AR | 2020-09-01 | 2020-09-21 |  |  | AR |
| [L.1331 (Revision of ITU-T L.1331)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8734) | Assessment of mobile network energy efficiency ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200221E0801MSWE.docx&group=5)) | 2020-06-01 | 2020-06-28 | LJ | AR | 2020-09-01 | 2020-09-21 |  |  | AR |

Situation concerning Study Group 11 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** |
| [Q.3058 (Q.NGNe-O-SA)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8807) | Signalling architecture of orchestration in NGNe ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022670801MSWE.docx&group=11)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Q.3059 (Q.SFD)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8810) | Signalling requirements for service function discovery ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200226A0801MSWE.docx&group=11)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Q.3060 (Q.ETN-DS)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8809) | Signalling architecture of the fast deployment emergency telecommunication network to be used in a natural disaster ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022690801MSWE.docx&group=11)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Q.3645 (Q.Pro-DES)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8808) | Protocol at interface between two distributed ENUM servers for IMS ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022680801MSWE.docx&group=11)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Q.3720 (Q.BNG-PAC)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8811) | Procedures for vBNG acceleration with programmable acceleration card ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200226B0801MSWE.docx&group=11)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Q.3915 (Q.BNGP)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8818) | Set of parameters of vBNG for monitoring ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022720801MSWE.docx&group=11)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Q.3961 (Q.PWS)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8819) | Parameters for evaluating bottleneck of web-browsing service ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022730801MSWE.docx&group=11)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Q.4062 (Q.FW\_IoT/Test)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8816) | Framework for IoT Testing ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022700801MSWE.docx&group=11)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Q.4063 (Q.39\_FW\_Test\_ID\_IoT)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8817) | The framework of testing of identification systems used in IoT ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022710801MSWE.docx&group=11)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Q.4064 (Q.vbng-iop-reqts)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8820) | Interoperability testing requirements of virtual Broadband Network Gateway ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022740801MSWE.docx&group=11)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Q.4066 (Q.TP\_AR)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8815) | Testing procedures of Augmented Reality applications ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200226F0801MSWE.docx&group=11)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Q.4100 (Q.HP2P-Arch)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8812) | Hybrid peer-to-peer (P2P) communications: Functional architecture ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200226C0801MSWE.docx&group=11)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Q.5052 (Q.DEV\_DUI)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8821) | Addressing mobile devices with duplicate unique identifier ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022750801MSWE.docx&group=11)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [X.609.10 (X.mp2p-srds)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8814) | Managed P2P communications: Signalling requirements for data streaming ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200226E0801MSWE.docx&group=11)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [X.609.9 (X.mp2p-ocmp)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8813) | Managed P2P communications: Overlay content management protocol ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200226D0801MSWE.docx&group=11)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |

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.2245 (Y.saic)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8789) | Service model of the Agriculture Information based Convergence Service ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022550801MSWE.docx&group=13)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Y.3055 (Y.trust-pdm)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8793) | Framework for Trust based Personal Data Management ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022590801MSWE.docx&group=13)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Y.3075 (Y.ICN-RF)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8799) | Requirements and capabilities of Information Centric Networking routing and forwarding based on control and user plane separation in IMT-2020 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200225F0801MSWE.docx&group=13)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Y.3076 (Y.ICN- Edge)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8801) | Architecture of ICN-enabled Edge Network in IMT-2020 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022610801MSWE.docx&group=13)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Y.3109 (Y.qos-ec-vr-req)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8790) | QoS requirements and framework for virtual reality delivery using mobile edge computing supported by IMT-2020 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022560801MSWE.docx&group=13)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Y.3134 (Y.FMC-ReqMO)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8803) | IMT-2020 fixed mobile convergence functional requirements for management and orchestration ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022630801MSWE.docx&group=13)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Y.3136 (Y.FMC-SM)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8802) | Session management for fixed mobile convergence in IMT-2020 networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022620801MSWE.docx&group=13)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Y.3150 Rev.](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8804) | High-level technical characteristics of network softwarization for IMT-2020 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022640801MSWE.docx&group=13)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Y.3155 (Y.IMT2020-ESDP)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8806) | Enhanced SDN Data Plane for IMT-2020 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022660801MSWE.docx&group=13)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Y.3156 (Y.IMT2020-NSAA-reqts)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8797) | Framework of network slicing with AI-assisted analysis in IMT-2020 networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200225D0801MSWE.docx&group=13)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Y.3176 (Y.ML-IMT2020-MP)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8798) | Machine learning marketplace integration in future networks including IMT-2020 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200225E0801MSWE.docx&group=13)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Y.3525 (Y.cccsdaom-reqts)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8805) | Cloud computing - Requirements for cloud service development and operation management ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022650801MSWE.docx&group=13)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Y.3530 (Y.BaaS-reqts)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8794) | Cloud computing - Functional requirements for blockchain as a service ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200225A0801MSWE.docx&group=13)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Y.3531 (Y.MLaaS-reqts)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8795) | Cloud computing - Functional requirements for machine learning as a service ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200225B0801MSWE.docx&group=13)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Y.3605 (Y.BD-arch)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8796) | Big data - Reference architecture ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200225C0801MSWE.docx&group=13)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Y.3802 (Y.QKDN\_Arch)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8791) | Quantum key distribution networks - Functional architecture ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022570801MSWE.docx&group=13)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Y.3803 (Y.QKDN\_KM)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8792) | Quantum key distribution networks – Key management ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022580801MSWE.docx&group=13)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |
| [Y.3804 (Y.QKDN-CM)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8800) | Quantum Key Distribution Networks - Control and Management ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022600801MSWE.docx&group=13)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |

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** |
| [H.266 (H.VVC, ex H.FVC)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8755) | Versatile video coding ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022330802MSWE.docx&group=16)) | 2020-08-01 | 2020-08-28 | A  |  |  |  |  |  | A  |
| [H.274 (H.SEI)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8756) | Versatile supplemental enhancement information messages for coded video bitstreams ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022340802MSWE.docx&group=16)) | 2020-08-01 | 2020-08-28 | A  |  |  |  |  |  | A  |
| [T.701.11 (H.ACC.AltText)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8773) | Guidance on audio descriptions (twin text of ISO/IEC TS 20071-11:2019, Information technology - Guidance on alternative text for images - Part 11) ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022450801MSWE.docx&group=16)) | 2020-09-01 | 2020-09-28 |  |  |  |  |  |  | LC |

Situation concerning Study Group 17 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** |
| [X.510 (X.509prot)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8741) | Information technology - Open Systems Interconnection - The Directory: Protocol specifications for secure operations ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022250801MSWE.docx&group=17)) | 2020-06-16 | 2020-07-13 | LJ | AR | 2020-08-01 | 2020-08-21 | 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** | **LCResult** | **LJResult** | **AR Start** | **AR End** | **ARResult** | **AJResult** |
| [Y.4210 (Y.IoT-UM-reqts)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8777) | Requirements and use cases for universal communication module of mobile IoT devices ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022490801MSWE.docx&group=20)) | 2020-08-01 | 2020-08-28 | A  |  |  |  |  |  | A  |
| [Y.4469 (Y.SCCE-arch)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8778) | Reference architecture of spare computational capability exposure of IoT devices for smart home ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200224A0801MSWE.docx&group=20)) | 2020-08-01 | 2020-08-28 | A  |  |  |  |  |  | A  |
| [Y.4470 (Y.SSC-AISE-arc)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8779) | Reference architecture of artificial intelligence service exposure for smart sustainable cities ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200224B0801MSWE.docx&group=20)) | 2020-08-01 | 2020-08-28 | A  |  |  |  |  |  | A  |
| [Y.4472 (Y.API4IOT)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8780) | Open data application programming interface (APIs) for IoT data in smart cities and communities ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200224C0801MSWE.docx&group=20)) | 2020-08-01 | 2020-08-28 | LJ |  |  |  |  |  | LJ |
| [Y.4473 (Y.DPM-ST-API)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8781) | SensorThings API - Sensing ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200224D0801MSWE.docx&group=20)) | 2020-08-01 | 2020-08-28 | A  |  |  |  |  |  | A  |
| [Y.4474 (Y.IoT-VLC-Arch)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8782) | Functional architecture for IoT services based on Visible Light Communications ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200224E0801MSWE.docx&group=20)) | 2020-08-01 | 2020-08-28 | A  |  |  |  |  |  | A  |
| [Y.4475 (Y.IoT-LISF)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8783) | Lightweight intelligent software framework for IoT devices ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200224F0801MSWE.docx&group=20)) | 2020-08-01 | 2020-08-28 | A  |  |  |  |  |  | A  |
| [Y.4558 (Y.smoke-detection)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8784) | Requirements and functional architecture of smart fire smoke detection service ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022500801MSWE.docx&group=20)) | 2020-08-01 | 2020-08-28 | A  |  |  |  |  |  | A  |
| [Y.4560 (Y.DPM-BC-ES)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8785) | Blockchain-based data exchange and sharing for supporting Internet of things and smart cities and communities ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022510801MSWE.docx&group=20)) | 2020-08-01 | 2020-08-28 | A  |  |  |  |  |  | A  |
| [Y.4561 (Y.DPM-BC-DM)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8786) | Blockchain-based Data Management for supporting Internet of things and smart cities and communities ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022520801MSWE.docx&group=20)) | 2020-08-01 | 2020-08-28 | A  |  |  |  |  |  | A  |
| [Y.4808 (Y.IoT-DA-Counterfeit)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8787) | Digital entity architecture framework to combat counterfeiting in IoT ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022530801MSWE.docx&group=20)) | 2020-08-01 | 2020-08-28 | A  |  |  |  |  |  | A  |
| [Y.4907 (Y.SSC-BKDMS-arc)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8788) | Reference architecture of blockchain-based unified KPI data management for smart sustainable cities ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022540801MSWE.docx&group=20)) | 2020-08-01 | 2020-08-28 | A  |  |  |  |  |  | A  |

Annex 2

(to TSB AAP-88)

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-88)

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]
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.*