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| ITU official logo_blue_RGB | Union Internationale des Telecommunications  *Bureau de la normalisation des télécommunications* |  |

Genève, le 1 novembre 2021

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| --- | --- | --- |
| Réf:  Tél:  Fax:  E-mail: | **TSB AAP-115**  AAP/CL  +41 22 730 5860  +41 22 730 5853  [tsbdir@itu.int](mailto:tsbdir@itu.int) | – Aux administrations des Etats Membres de l'Union;  – Aux Membres du Secteur UIT-T;  – Aux Associés de l'UIT-T;  – Aux établissements universitaires participant aux travaux de l'UIT  **Copie:**  – Aux Présidents et Vice-Présidents des Commissions d'études de l'UIT-T;  – Au Directeur du Bureau de développement des télécommunications;  – Au Directeur du Bureau des radiocommunications |

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| Objet: | **Etat des Recommandations auxquelles s'applique la variante de la procédure d'approbation (AAP)** |

Madame, Monsieur,

La variante de la procédure d'approbation (AAP), définie dans la Recommandation UIT-T A.8, s'applique aux Recommandations qui n'ont pas d'incidence politique ou réglementaire et ne nécessitent donc pas une consultation formelle des Etats Membres (voir le numéro 246B de la Convention de l'UIT).

L'**Annexe 1** énumère les textes dont le statut a changé par rapport aux annonces TSB AAP antérieures.

Si vous souhaitez soumettre des observations sur une Recommandation ayant fait l'objet de la procédure AAP, vous êtes encouragés à utiliser le formulaire en ligne de soumission des observations AAP, disponible dans l'espace AAP du site web de l'UIT-T à l'adresse <https://www.itu.int/ITU-T/aap/>, à la page de la Recommandation concernée (voir l'**Annexe 2**). Vous pouvez aussi soumettre vos observations en remplissant le formulaire figurant à l'**Annexe 3** et en l'envoyant au secrétariat de la Commission d'études concernée.

Veuillez noter que les observations ayant simplement pour objet d'appuyer l'adoption du texte en question ne sont pas encouragées.

Veuillez agréer, Madame, Monsieur, l'assurance de ma considération distinguée.

Chaesub Lee  
Directeur du Bureau de la normalisation des télécommunications

**Annexes:** 3

Annex 1

(to TSB AAP-115)

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.1033 (L.HL\_e-waste)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10036) | Guidance for institutions of higher learning to contribute in the effective life cycle management of e-equipment and e-waste ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027340801MSWE.docx&group=5)) | 2021-06-16 | 2021-07-13 | LJ | AR | 2021-10-01 | 2021-10-21 | AC |  | AC |
| [L.1317 (L.gee\_bs)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10031) | Guidelines on energy efficient blockchain systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200272F0802MSWE.docx&group=5)) | 2021-06-16 | 2021-07-13 | LJ | AR | 2021-11-01 | 2021-11-21 |  |  | 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** |
| [G.1027 (G.ODP)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10103) | QoS metrics for the assessment of the impact of fixed geographic structures on telephony quality and call stability ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027770801MSWE.docx&group=12)) | 2021-11-01 | 2021-11-28 |  |  |  |  |  |  | LC |
| [G.1035](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10104) | Influencing factors on quality of experience for virtual reality services ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027780801MSWE.docx&group=12)) | 2021-11-01 | 2021-11-28 |  |  |  |  |  |  | LC |
| [P.565](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10100) | 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=T01020027740801MSWE.docx&group=12)) | 2021-11-01 | 2021-11-28 |  |  |  |  |  |  | LC |
| [P.565.1 (P.VSQMTF-1)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10101) | Machine learning model 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=T01020027750801MSWE.docx&group=12)) | 2021-11-01 | 2021-11-28 |  |  |  |  |  |  | LC |
| [P.910](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10102) | Subjective video quality assessment methods for multimedia applications ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027760801MSWE.docx&group=12)) | 2021-11-01 | 2021-11-28 |  |  |  |  |  |  | LC |

Situation concerning Study Group 13 Recommendations under AAP

| **Rec #** | **Title** | **Last Call (LC) Period** | | | | **Additional Review (AR) Period** | | | | Status |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **LC Start** | **LC End** | **LC Result** | **LJ Result** | **AR Start** | **AR End** | **AR Result** | **AJ Result** |
| [Y.3057 (Y.trust-index)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10058) | A trust index model for ICT infrastructures and services ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200274A0801MSWE.docx&group=13)) | 2021-08-16 | 2021-09-12 | LJ | SG |  |  |  |  | SG |

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.749.5 (H.VDS-UC)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10086) | Vehicle domain service: General information and use case definitions ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027660801MSWE.docx&group=16)) | 2021-10-01 | 2021-10-28 | A |  |  |  |  |  | A |

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.1011 (X.rf-csap)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10088) | Guidlines for continuous protection of service access process ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027680801MSWE.docx&group=17)) | 2021-10-01 | 2021-10-28 | A |  |  |  |  |  | A |
| [X.1047 (X.nsom-sec)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10087) | Security requirements and architecture for network slice management and orchestration ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027670801MSWE.docx&group=17)) | 2021-10-01 | 2021-10-28 | A |  |  |  |  |  | A |
| [X.1080.2 (X.b2m)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10082) | Biology-to-Machine (B2M) protocol ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027620801MSWE.docx&group=17)) | 2021-10-01 | 2021-10-28 | A |  |  |  |  |  | A |
| [X.1408 (X.das-mgt)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10083) | Security threats and requirements for data access and sharing based on the distributed ledger technology ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027630801MSWE.docx&group=17)) | 2021-10-01 | 2021-10-28 | A |  |  |  |  |  | A |
| [X.1712 (X.sec-QKDN-km)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10084) | Security requirements and measures for QKD networks - key management ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027640801MSWE.docx&group=17)) | 2021-10-01 | 2021-10-28 | A |  |  |  |  |  | A |
| [X.1770 (X.tf-mpc)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10085) | Technical Guidelines for Secure Multi-party Computation ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027650801MSWE.docx&group=17)) | 2021-10-01 | 2021-10-28 | 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.4004 (Y.smart-oceans)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10090) | Overview of smart oceans and seas, and requirements for their ICT implementations ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200276A0801MSWE.docx&group=20)) | 2021-11-01 | 2021-11-28 |  |  |  |  |  |  | LC |
| [Y.4123 (Y.SmartShoppingMall)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10091) | Requirements and capability framework of smart shopping mall ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200276B0801MSWE.docx&group=20)) | 2021-11-01 | 2021-11-28 |  |  |  |  |  |  | LC |
| [Y.4212 (Y.IoT-NCM-reqts)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10092) | Requirements and capabilities of network connectivity management in the Internet of things ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200276C0801MSWE.docx&group=20)) | 2021-11-01 | 2021-11-28 |  |  |  |  |  |  | LC |
| [Y.4213 (Y.AM-SC-reqts)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10093) | IoT requirements and capability framework for monitoring physical city assets ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200276D0801MSWE.docx&group=20)) | 2021-11-01 | 2021-11-28 |  |  |  |  |  |  | LC |
| [Y.4477 (Y.IoT-sd-arch)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10094) | Framework of service interworking with device discovery and management in heterogeneous Internet of things environments ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200276E0801MSWE.docx&group=20)) | 2021-11-01 | 2021-11-28 |  |  |  |  |  |  | LC |
| [Y.4478 (Y.IoT-SCS)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10095) | Requirements and functional architecture for smart construction site services ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200276F0801MSWE.docx&group=20)) | 2021-11-01 | 2021-11-28 |  |  |  |  |  |  | LC |
| [Y.4480 (Y.lorawan)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10096) | Low power protocol for wide area wireless networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027700801MSWE.docx&group=20)) | 2021-11-01 | 2021-11-28 |  |  |  |  |  |  | LC |
| [Y.4563 (Y.DPM-interop)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10097) | Requirements and functional model to support data interoperability in IoT environments ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027710801MSWE.docx&group=20)) | 2021-11-01 | 2021-11-28 |  |  |  |  |  |  | LC |
| [Y.4810 (Y.Data.Sec.IoT-Dev)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10098) | Requirements of data security for the heterogeneous IoT devices ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027720801MSWE.docx&group=20)) | 2021-11-01 | 2021-11-28 |  |  |  |  |  |  | LC |
| [Y.4811 (Y.IoT-CSIADE-fw)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=10099) | Reference framework of converged service for identification and authentication for IoT devices in decentralized environment ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020027730801MSWE.docx&group=20)) | 2021-11-01 | 2021-11-28 |  |  |  |  |  |  | LC |

Annex 2

(to TSB AAP-115)

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-115)

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.*