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

Geneva, 16 July 2020

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| Ref:  Tel:  Fax:  E-mail: | **TSB AAP-85**  AAP/CL  +41 22 730 5860  +41 22 730 5853  [tsbdir@itu.int](mailto:tsbdir@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-85)

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 2 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** |
| [M.3164 (M.tsm-gim)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8740) | Generic information model for on-site telecommunication smart maintenance ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022240801MSWE.docx&group=2)) | 2020-06-16 | 2020-07-13 | A |  |  |  |  |  | A |

Situation concerning Study Group 9 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** |
| [J.1032 (J.twoway-dcas-part2)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8774) | Downloadable Conditional Access System for Bidirectional Network; System Architecture ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022460801MSWE.docx&group=9)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [J.1033 (J.twoway-dcas-part3)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8775) | Downloadable Conditional Access System for Bidirectional Network; The Terminal ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022470801MSWE.docx&group=9)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [J.1204 (J.stvos-sec)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8776) | The security framework of a smart TV operating system ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022480801MSWE.docx&group=9)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |

Situation concerning Study Group 15 Recommendations under AAP

| **Rec #** | **Title** | **Last Call (LC) Period** | | | | **Additional Review (AR) Period** | | | | Status |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **LC Start** | **LC End** | **LC Result** | **LJ Result** | **AR Start** | **AR End** | **AR Result** | **AJ Result** |
| [G.9962 Amd.1](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8690) | Unified high-speed wire-line based home networking transceivers - Management specification - Amendment 1 ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021F20801MSWE.docx&group=15)) | 2020-02-16 | 2020-03-14 | LJ | AR | 2020-06-16 | 2020-07-06 | AC |  | AC |
| [G.9991 (2019) Amd.1](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8668) | High-speed indoor visible light communication transceiver - System architecture, physical layer and data link layer specification (Amendment 1) ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020021DC0801MSWE.docx&group=15)) | 2020-02-16 | 2020-03-14 | LJ | AR | 2020-06-16 | 2020-07-06 | AC |  | AC |

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.735.1 (F.SDC)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8742) | Requirements for software defined camera ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022260801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [F.743.11 (F.MPUVSReqs)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8747) | Requirements for video surveillance with mobile premises units ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200222B0801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [F.743.20 (F.AFBDI)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8748) | Assessment framework for big data infrastructure ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200222C0801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [F.743.21 (F.DAM)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8749) | Framework for data asset management ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200222D0801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [F.746.10 (H.LLS-DIA)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8750) | Architecture for spontaneous dialog processing system for language learning ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200222E0801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [F.746.11 (F.IQAS-INT)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8751) | Interfaces for intelligent question answering system ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200222F0801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [F.748.11 (F.AI-DLPB)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8752) | Metrics and evaluation methods for deep neural network processor benchmark ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022300801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [F.749.12 (H.CUAV-F)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8753) | Framework for communication application of civilian unmanned aerial vehicle ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022310801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [F.749.3 (F.VM-URVMN)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8754) | Use cases and requirements for the vehicular multimedia networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022320801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [F.751.0 (F.DLS)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8745) | Requirements for distributed ledger systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022290801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [F.751.1 (F.DLT-AC)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8743) | Assessment criteria for distributed ledger technology (DLT) platforms ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022270801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [F.751.2 (H.DLT)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8744) | Reference framework for distributed ledger technologies ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022280801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [F.922 (F.ACC-ISSVReq)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8746) | Requirements of information service systems for visually impaired persons ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200222A0801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [H.430.5 (H.ILE-PE)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8757) | Reference models for immersive live experience (ILE) presentation environment ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022350801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [H.627 (V2)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8758) | Signalling and protocols for a video surveillance system ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022360801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [H.644.3 (H.MCDN)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8759) | Functional architecture of multimedia content delivery networks ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022370801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [H.702 (V2)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8760) | Accessibility profiles for IPTV systems ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022380801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [H.704 (H.IPTV-EUIF.1)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8761) | Enhanced UI framework for IPTV terminal device - Gesture control interface ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022390801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [H.841 (2020-06)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8762) | Conformance of ITU-T H.810 personal health system: Personal Health Devices interface Part 1: Optimized Exchange Protocol: Personal Health Device ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200223A0801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [H.850.1 (2020-06)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8763) | Conformance of ITU-T H.810 personal health system: Personal Health Devices interface Part 10A: Transcoding for Bluetooth Low Energy: Personal Health Gateway - Thermometer ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200223B0801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [H.850.2 (2020-06)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8764) | Conformance of ITU-T H.810 personal health system: Personal Health Devices interface Part 10B: Transcoding for Bluetooth Low Energy: Personal Health Gateway - Blood pressure ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200223C0801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [H.850.3 (2020-06)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8765) | Conformance of ITU-T H.810 personal health system: Personal Health Devices interface Part 10C: Transcoding for Bluetooth Low Energy: Personal Health Gateway - Heart-rate ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200223D0801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [H.850.4 (2020-06)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8766) | Conformance of ITU-T H.810 personal health system: Personal Health Devices interface Part 10D: Transcoding for Bluetooth Low Energy: Personal Health Gateway - Glucose meter ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200223E0801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [H.850.5 (2020-06)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8767) | Conformance of ITU-T H.810 personal health system: Personal Health Devices interface Part 10E: Transcoding for Bluetooth Low Energy: Personal Health Gateway - Weighing scales ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T010200223F0801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [H.850.6 (2020-06)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8768) | Conformance of ITU-T H.810 personal health system: Personal Health Devices interface Part 10F: Transcoding for Bluetooth Low Energy: Personal Health Gateway - Pulse oximeter ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022400801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [H.850.7 (2020-06)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8769) | Conformance of ITU-T H.810 personal health system: Personal Health Devices interface Part 10G: Transcoding for Bluetooth Low Energy: Personal Health Gateway - Continuous glucose monitoring ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022410801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [H.862.1 (F.DM-SLM)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8770) | Data model for sleep management services ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022420801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [H.862.2 (F.AM-BS)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8771) | Framework of annotation methods for biosignal data ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022430801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | LC |
| [H.862.3 (F.VMI-HS)](http://www.itu.int/itu-t/aap/AAPRecDetails.aspx?AAPSeqNo=8772) | Requirements of voice management interface for human-care services ([Summary](https://www.itu.int/ITU-T/aap/dologin_aap.asp?id=T01020022440801MSWE.docx&group=16)) | 2020-07-16 | 2020-08-12 |  |  |  |  |  |  | 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.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 |  |  |  |  |  | LJ |

Annex 2

(to TSB AAP-85)

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-85)

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.*