IEEE P802.11  
Wireless LANs

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| ARC SC Meeting Minutes January 2015 | | | | | |
| Date: 2015-01-15 | | | | | |
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Abstract

Minutes of the IEEE 802.11 ARC Standing Committee meeting held on 13th and 14th January 2015, in Atlanta, GA, USA. Note: minutes for the joint meeting with TGak and 802.1 minutes held on 15th of January 2015 are not provided in this document.

**Tuesday 13 January 2015, AM2, 10:30 (EST) ARC SC Meeting**

**Administration: Chair: Mark Hamilton, Spectralink, 802.1AC**

**Vice-Chair/Secretary: Joseph Levy, InterDigital**

**Meeting call to order by Mark Hamilton 10:36, 13 January 2015**

**Agenda –** [11-14-1584-00-0arc-arc-sc-agenda-jan-2015.ppt](https://mentor.ieee.org/802.11/dcn/14/11-14-1584-00-0arc-arc-sc-agenda-jan-2015.ppt)**, updated during the meeting to r1**

**Proposed Agenda (taken from Agenda Slide Deck):**

**Tuesday, Jan 13, AM2**

* **Administrative: Minutes**
* **Updates, no action expected:**
  + **IEEE 1588 mapping to IEEE 802.11**
  + **IETF/802 coordination (RFC 4441, PAWS, CAPWAP)**
  + **802.1AC revision**
    - **Review/Discussion of 802.1AC draft**
    - **Review comments and resolutions**
  + **AP/DS/Portal architecture and 802 concepts**
    - **AP’s “Distribution System Access” function concept**
    - **Make DS\_SAP normative, Annex R updates**

**Wednesday, Jan 14, AM1**

* + **Prepare for Joint TGak/802.1 session (on Thursday)**
  + **MIB attributes Design Pattern**
  + **AP/DS/Portal architecture and 802 concepts, continued**
  + **Future sessions / SC activities**

**Joint session with TGak/802.1, Thursday, Jan 15, AM1**

* + **Architectural view of 11ak Bridged LAN**

**Administration:**

The Chair reviewed the Administrative information in slides 5-10 in the Agenda document (11-14/1584r0)

**Call for Patents:**

The Chair reviewed the Patent policy and called for potentially essential patents – there was no response to the call.

**Approval of the Agenda:**

The proposed Agenda slide 11 of the Agenda document (11-14/1584r0) - copied above was approved.

Tuesday, Jan 13, AM2 Agenda:

* Administrative: Minutes
* Updates, no action expected:
  + IEEE 1588 mapping to IEEE 802.11
  + IETF/802 coordination (RFC 4441, PAWS, CAPWAP)
* 802.1AC revision
  + Review/Discussion of 802.1AC draft
  + Review comments and resolutions
* AP/DS/Portal architecture and 802 concepts
  + AP’s “Distribution System Access” function concept
  + Make DS\_SAP normative, Annex R updates

Administrative: Approval of Minutes

* **November Minutes:** [**11-14-1591-00-0arc-arc-sc-meeting-minutes-november-2014.docx**](https://mentor.ieee.org/802.11/dcn/14/11-14-1591-00-0arc-arc-sc-meeting-minutes-november-2014.docx) **- approved by unanimous consent**

IEEE 1588 mapping to IEEE 802.11

No new information, no activity at this time.

IETF/802 coordination (PAWS, CAPWAP)

No new information, no activity at this time.

**802.1AC revision**

Update on 802.1AC D1.0 WG Ballot that closed on July 18, 2014, new updated results are available

* Comments and Resolution sheet: [802-1ac-rev-d1-0-dis-v2.pdf](http://www.ieee802.org/1/files/private/ac-rev-drafts/d1/802-1ac-rev-d1-0-dis-v2.pdf) (last updated 9/19/14)

Chair conducted a summarized status:

Reference presentations (previously reviewed, current status of thinking):

* [11-14-0497-03-0arc-802-11-portal-and-802-1ac-convergence-function.pptx](https://mentor.ieee.org/802.11/dcn/14/11-14-0497-03-0arc-802-11-portal-and-802-1ac-convergence-function.pptx)
* [802-1ac-rev-d1-0.pdf](http://www.ieee802.org/1/files/private/ac-rev-drafts/d1/802-1ac-rev-d1-0.pdf)
* Make DS\_SAP normative? [11-14-1218-01-0arc-normative-ds-sap.pptx](https://mentor.ieee.org/802.11/dcn/14/11-14-1218-01-0arc-normative-ds-sap.pptx)

**AP/DS/Portal architecture and 802 concepts**

* Reference presentations (previously reviewed, current status of thinking):
  + [11-14-1213-01-0arc-ap-arch-concepts-and-distribution-system-access.pptx](https://mentor.ieee.org/802.11/dcn/13/11-13-0115-15-0arc-considerations-on-ap-architectural-models.doc)
  + [11-13-0115-15-0arc-considerations-on-ap-architectural-models.doc](https://mentor.ieee.org/802.11/dcn/13/11-13-0115-15-0arc-considerations-on-ap-architectural-models.doc)
  + Comment in REVmc to include 11-13/115r14’s “*Figure 11-14/115-16*” in the 802.11 Standard

Chair reviewed/discussed 11-13/0115r15 –

Discussion on how the dot in the AP works – 3 inputs Wireless/DSS/Higher layers and the same 3 outputs

Is the problem the high layer AP entities?

Ans – basically yes.

Mesh gate - Mesh forwarding framework. Worked new drawing, clarifying the arrow in the role-specific figures

Chair will circulate updated draft. Updated 802.11 Figure 5-1 is targeted for inclusion during REVmc Sponsor Ballot, phase.

**Recessed at 12:30.**

**Wednesday, Jan 14, AM1**

Meeting call to order by Mark Hamilton 8:06, 14 January 2015

The Chair reviewed the Administrative information in slides 5-10 in the Agenda document (11-11-14/1584r0). No change in agenda.

**Prepare for Joint TGak/802.1 session (on Thursday)**

Mark Hamilton (acting chair for TGak) presented topics of interest from TGak and 802.1’s parallel work (802.1Qbz) – no new information from Qbz. Some discussion will be had with .1 regarding the new diagrams, at the joint session on Thursday

No suggestions for additional topics were suggested.

**MIB attributes Design Pattern**

The WG11 Chair has requested that the ARC SC investigate and create a Design Pattern for MIB attributes of the form “\*Implemented” and “\*Activated”

Discussion continuing on teleconferences. Continued at this meeting:  
[11-14-1068-00-0arc-mib-attributes-design-pattern-background.docx](https://mentor.ieee.org/802.11/dcn/14/11-14-1068-00-0arc-mib-attributes-design-pattern-background.docx)

Reviewing [11-14-1281-04-0arc-mib-attributes-analysis.docx](https://mentor.ieee.org/802.11/dcn/14/11-14-1281-04-0arc-mib-attributes-analysis.docx)

Discussing SNMP - implemented and activated (page 13) – using a GetRequest or a SetRequest will both return an error status of noSuchName if the variable does not exist – hence this can be used to find if a device has implemented or has not implemented a feature. Therefore agree to recommend activated is all that is necessary, with the activated variable being read only (for a fixed implementation) or a read/write variable where the feature is able to be activated by an external entity.

MAX\_ACCESS – only refers to a variable being able to be read or written to by an external entity.

[11-09-0533-01-0arc-recomendation-re-mib-types-and-usage.ppt](https://mentor.ieee.org/802.11/dcn/09/11-09-0533-01-0arc-recomendation-re-mib-types-and-usage.ppt) – types:

Propose recommendations that: (take green text from

For any given feature, only one of these is appropriate:

Dot11Xxx Activated, Implemented, …….

Discussed “required”, e.g. don11SpectrumManagmentRequired - Local variables

**Planning for March 2015**

Plan for meeting slots:

Usual slot on Wed AM1 to be used for joint session with 802.1AC/802.11ak and comment resolution on 802.1AC

* DS/AP/Portal architecture discussions

One slot for standalone ARC work, planned for Tuesday.

* Design Pattern for MIB Attributes
* 802.11 Architecture topics: DSAF, DS\_SAP, Figure 5-1

One slot for joint discussions with 802.11ak, 802.1Qbz, planned for Thursday.

* 11ak architecture discussions

**Adjourned 10:03, 14 January 2015**

**Note there was also a joint meeting with TGak and 802.1 on Thursday, January 15, AM1, please see the TGak minutes.**

**Note: ARC Closing Report in:** [**11-15-0195-01-0arc-arc-closing-report-jan-2015.pptx**](https://mentor.ieee.org/802.11/dcn/15/11-15-0195-01-0arc-arc-closing-report-jan-2015.pptx)