IEEE P802.11  
Wireless LANs

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| ARC Minutes November 2013 | | | | | |
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Abstract

Minutes of the IEEE 802.11 ARC Standing Committee Ad-Hoc meeting held 11 November 2013

and

Minutes of the IEEE 802.11 ARC Standing Committee held 13 November 2013, in Dallas, Texas, US.

**Monday, 11 November 2013 –** Ad-Hoc session

Attendance: Mark Hamilton (Spectralink), Yaron Alpert (Lantiq), Jim Lansford (CSR), Joseph Levy (Interdigital), Demir Rekanovic (U-Blox), Alan Berkema (HP), Donald Eastlake (Huawei), Peter Ecclesine (Cisco), Veli-Pekka Ketonen (7signal)

Agenda is in the deck for the week: 11-13/1264r1.

The Chair made the call for Patents. There was no response.

The Chair reviewed the agenda. No changes were suggested.

**802 Overview and Architecture**

Draft text is here: <http://www.ieee802.org/11/private/Draft_Standards/802architecture/802-rev-D1-7.pdf>

Reviewed comments collected from 802.11 members: <https://mentor.ieee.org/802.11/dcn/13/11-13-1368-00-0arc-cc10-comments-on-802-o-a-d1-7.xlsx>

Added four additional comments (last four rows of 11-13/1368r1). Agreed to not submit one comment (CID 46). Other comments were reviewed and agreed.

Mark will submit the results with his Sponsor Ballot vote, to 802.

No other business. Adjourned.

**Wednesday, 13 November 2013 –** Regular face-to-face session

Agenda deck is 11-13/1264r2.

The Chair made the call for Patents. There was no response.

The Chair reviewed the agenda. No changes were suggested.

The Minutes of the September 2013 session, were approved as posted (11-13/1249r0).

**Vice Chair Election**

The Chair noted that Dave Bagby has resigned as Vice Chair. We give our sincere thanks to Dave for all his work over many years of support of 802.11. As a result, the ARC SC has made a call for Vice Chair, and will hold the election today.

Joe Levy has volunteered and self-nominated himself. A final call for any other nominations was made, with no response. **Joe is elected with Unanimous Acclaimation.**

**IETF/802 coordination, lead by Dorothy Stanley (Aruba Networks).**

* RFC4441:
  + The draft is currently at r5 (<http://tools.ietf.org/html/draft-iab-rfc4441rev-05>). Our comments on r4 were all incorporated.
  + The Chair asked if there were any comments from 802.11 at this time, and there was no response. Dorothy noted that there is a mid-December deadline for comments, so **if** **anybody does have comments, get them in soon** (to Dorothy).
* PAWS:
  + This work is close to finishing early drafting. The next revision will probably be ready for 802.11 review. It might come before the Jan face-to-face meeting, but likely timing will let us review it at the January meeting.
* CAPWAP:
  + 2 documents are under consideration for extensions: one for 802.11n support, one on the way a local MAC or split MAC is described which could lead to a hybrid concept.
  + These drafts are not quite ready for 802.11 review, but will be soon. Probably the timing is such that we’ll want to do a review of the hybrid MAC document before our January face-to-face meeting, and if so, we’ll need a Comment Collection ballot and a teleconference. We’ll hold those options open, and see how the timing works out.
  + The 11n document will probably be a bit behind, and we’ll figure out that timing as it comes.

**802 Overview and Architecture**

* This was discussed at the Ad-Hoc on Monday, and our comments reviewed and submitted.
* There are comment resolution sessions happening this week (run by 802.1). Nothing to report yet.

**802.11 TGak (“Enhancements For Transit Links Within Bridged Networks”) and 802.1Qbz on “802.11 bridging” update.**

* Donald Eastlake, 802.11 TGak Chair, reported informally on the status
* In the Tuesday session, TGak voted agreement on a solution to the subsetting problem.
* Those interested in this topic should attend the TGak/802.1Qbz joint session on Thursday.

**IEEE 1588 revision**

* Mark Hamilton is monitoring the revision project for IEEE 1588. They are including an explicit goal of working on the mapping of IEEE 1588 (and 802.1AS) to wireless networks, and 802.11 in particular.
* At this time, they are focused on other activities, and haven’t started on the wireless mappings part, so no work for 802.11 yet.

**AP/DS/Portal architecture**

* Discussed a presentation on this topic: <https://mentor.ieee.org/802.11/dcn/13/11-13-1436-00-0arc-alternative-dual-band-ap-reference-model-graphic.pptx>, from Rick Murphy (vLogic).
* It was noted that many of the concepts Rick is trying to represent in his graphics, are within the Distribution System, which we don’t standardize. Maybe we should consider a recommended practice document of some sort to capture these concepts? The group felt there were very useful, and we would like to have them captured somewhere.
* Rick also showed some animation (Flash-based) that he has been working on. The group felt this was very helpful to understanding the relaying/forwarding concepts in 802.11. We’re not sure what to do with this yet (animation files are not something 802.11 has handled before). Rick will work with Adrian (Bruce can help) to get this posted to the document server, as an exception to our file format rules.
* As part of reviewing Rick’s presentations, we ended up referencing back to our working document of diagrams. This brought up that we need to finish editing/reviewing those diagrams for a final submission to 802 O&A and also to REVmc. We’ll make a point of this getting discussion time in January.

**802.1AC revision**

* Nothing new here. Continue to ask members to review [**http://www.ieee802.org/1/files/public/docs2013/acrev-nfinn-new-802-11-text-0813-v02.pdf**](http://www.ieee802.org/1/files/public/docs2013/acrev-nfinn-new-802-11-text-0813-v02.pdf)**.**

**Future**: ARC meets ad hoc but seems to always have plenty to discuss. One slot planned at January meeting. If anyone has agenda topics, contact the Chair (Mark Hamilton) or Vice Chair (Joe Levy).

One **teleconference** may be needed to prepare comments on the IETF CAPWAP document(s). The timing of that can’t be determined until we know when the document will be available. This teleconference will be scheduled with 10 days’ notice, as soon as the timing is known. We’ll also hold a Comment Collection ballot before the teleconference to collect 802.11 members’ comments.

No other business. Adjourned.