IEEE P802.11  
Wireless LANs

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| AANI Adhoc Session | | | | |
| Date: 2017-01-19 | | | | |
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Abstract

This document contains the minutes of the AANI Adhoc session that was held during the January 2017 IEEE 802.11 Intermim meeting.

# Tuesday January 17, 13:30-15:30

### Joe Levy, Interdigital – Chair

Attendance: 18

1. Call to order at 13:32
2. Michael Montemurro (BlackBerry) agreed to act as Secretary
3. Review Agenda doc 11-16/1600r1
4. Review IEEE Patent Policy and Participation Guidelines
5. Approval of minutes:
   * San Antonio minutes: 11-16/1547r0 and 11-16/1598r0 – Approved by unanimous consent.
   * December 1 teleconference: 11-16/1576r0 – approved by unanimous consent
   * December 15 teleconference 11-16/1601r0 – approved by unanimous consent
   * January 5 teleconference 11-17/0006r0 – approved by unanimous consent.
6. Annoncements:
   * Nominations are open for vice-Chair – on person has nominated themselves. Vote will take place during the next session on Thursday AM2
   * OmniRAN (P802.1CF) will meet this week to discuss related topics
7. Review AANI SC Background
   * The IEEE 802 Chair is in discussions with the IEEE board of Governors to petition IEEE 802 to become a part of 5G PCG.
   * IEEE would become a partner in 5G development
   * IEEE
8. Liaison Statement In Progress
   * Review 11-16/1510r1 liaison document.
   * The liaison document should simply point to the definition of the Estimated Throughput parameter in IEEE 802.11-2016.
   * Thomas Derham (Broadcom), Vinko Erceg (Broadcom), Laurent Cariou (Intel) and George Calcev (Hwawei) agreed to review the document and suggest changes.
   * Discussed a way forward to address the first question.
   * For the second questions, the Throughput Estimate calculation is believed to be complete and there are no additional metrices that are required.
   * Thre is no understanding of the detailed 3GPP requirements for this parameter so there is no way to give further guidance.
   * There should only be a single document reference of IEEE 802.11-2016.
   * The goal is to approve this Liaison response at the Closing Plenary session on Friday this week.
9. Liaison to 3GPP RAN regarding radio-level integration.
   * It would be good to define an Interface between 3GPP and IEEE where metrics can be passed between 3GPP components and IEEE components of the system. This interface is very important.
   * There is currently only the 3GPP generic container that is passed between WLAN and 3GPP.
   * WLAN is an unscheduled system where 3GPP is a scheduled system so the system metrics need to be interpreted differently.
   * Discussion on whether metrics are used pre or post association.
   * From the UE’s point of view, both the status of the WI-Fi bearer and the LTE bearer are known.
   * There are mechanisms used both pre and post association. The metrics can be different.
   * IEEE 802.11 can provide discovery mechanisms for 3GPP services through ANQP or PAD.
   * Call for volunteers – No response. The Chair agreed to draft text for discussion.
   * The response for this liaison would have to come out of this meeting.
   * STRAW\_POLL: Do you feel we should get a liaison to 3GPP at this meeting before the March date?
     + 4 – Yes
     + 1 – No
     + 12 – No opinion
   * 3GPP is currently working on requirements at this point so there’s lilkely no way for them respond if a liaison was sent from IEEE 802.
   * There is agreement to requesting 3GPP to share their schedule on work related to WLAN. It can cover both LWA-related technologies as well as WLAN offload.
   * The Chair, IEEE 802 Chair, and Hassan Yaghoobi (Intel)
10. Liaison to 3GPP SA
    * IEEE 802.11 has already provided the quoted features in Liaisons over the past 10 yrs.
    * The lisison should simply include references to clauses in IEEE 802.11-2016 where the pertinent information is available.
11. Discusss 802.1CF/OmniRAN – IEEE 5G.
12. Agenda updated as document 11-16/1600r2 as a result of discussions during the session.
13. Recess at 15:29

# Thursday January 19, 10:30-12:30

### Joe Levy, Interdigital – Chair

Attendance: 18

1. Call to order at 10:32
2. Michael Montemurro (BlackBerry) agreed to act as Secretary
3. Review Agenda doc 11-16/1600r3
4. Review IEEE Patent Policy and Participation Guidelines
5. Vice Chair vote/approval – postponed until the candidate shows up (or at the closing plenary)
6. RAN2 Liaison on Throughput in progress:
   * Document 11-16/1510r2 contains the proposed liaison text.
   * Discussion on a mechanism included that proposes an AP send a Probe Request to a STA requesting estimated throughput.
   * The behavior of an AP sending a Probe Request to a STA is described in the IEEE 802.11-2016 specification.
   * There could be regulatory issues with an AP sending a Probe Request to a STA in the radar bands.
   * The document with changes discussed during the session will be updated as document 11-16/1510r3

STRAW POLL: Do you agree 802.11 should send the LS in 11-16/1510r2 as editied in this meeting (to be posted as 11-16/1510r3) as a reply to the LS from 3GPP RAN2 on Estimated Throughput 11-16/1384r0?

Result: 20 – Yes; 0 – No; 2 – Abstain.

1. RAN Liaison requesting status and technical information on radio-level integration between 3GPP and IEEE 802.11 systems.
   * Document 11-16/1573r2 contains the proposed liaison text.
   * The Chair of SA should also be included as a cc recipient on this liaison.
   * The updated document with edits discussed during the session will be posted as 11-16/1573r3

MOTION: Move that IEEE 802.11 send the Liaison Statemetn in 11-16/1573r3 to 3GPP RAN TSG?

By: Paul Nikolich

Second: Stephen McCann

DISCUSSION: None.

Result: 16 – Yes; 0 – No; 3 – Abstain. Motion passes

1. Review of 802.1 OmniRAN ICAID meeting
   * Discussion on industry conections document posted on the OmniRAN reflector: <https://mentor.ieee.org/omniran/dcn/16/omniran-16-0084-02-5gaa-draft-icaid-for-5g-sc-action-a.docx>
   * The document will be approved and submitted by the OmniRAN IEEE 802.1 task group.
   * Replace “cope with” with “address in 3.1, second paragraph, second last line.
   * Delete “open standards/” and change “activity to compare against” to “activities comparable to” in the sentence for 3.2.
   * The text for Section 6 should start: “No need for additional SA funding for this IC activity is anticipated. However it would ….”
   * Section 8.1 needs to be updated to include groups such as cable operators and others.
   * Call for other individual to add their name and contact information in section 8.3
   * The Chair will communicate comments discussed during this session to the OmniRAN Chair.
   * The document will be finalized during the Wednesday PM2 OmniRAN session at the March Plenary session.
2. Vice-Chair elections
   * Roger Marks, Ethernet Associates is a candidate
   * Questions for Roger on his vision for this group assume he is accepted as Vice-Chair

STRAW-POLL: Do you confirm Roger Marks as Vice-Chair for the AANI Standing Committee.

Result: 16 – Yes; 0 – No; 1 – Abstain.

1. AOB – None proposed.
2. Future Sessions – No teleconferences.
3. Goals for March – Work on liaison to 3GPP SA – document 11-16/1574; other liaisons to 3GPP SA and RAN; and track IEEE 802.1CF – OmniRAN sessions
4. Adjourn at 12:19.