IEEE P802.11
Wireless LANs

|  |
| --- |
| AANI Adhoc Session |
| Date: 2017-01-19 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Michael Montemurro | BlackBerry | 4701 Tahoe Blvd, Mississauga, ON. Canada L4W0B4 | +1 289-261-4183 | mmontemurro@blackberry.com |
|  |  |  |  |  |

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.