IEEE P802.11
Wireless LANs

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| AANI March 2018 Meeting Minutes  |
| Date: 2018-03-08 |
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**Abstract**

This document contains the [draft] minutes of the IEEE 802.11 AANI SC meetings held the week of 5 March 2018 in Rosemont, IL, USA.

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**Administration:**

 **Chair: Joseph Levy, InterDigital**

 **Vice Chair: Roger Marks, EthAirNet Associates**

Monday 5 March 16:00

**Meeting Secretary: Roger Marks**

The Chair called the meeting to order at 16:01. The Chair and Vice Chair introduced themselves. The Vice Chair volunteered to serve as secretary.

The Chair presented using IEEE 802.11-18/0311 (the “slides”, presented in the revision r1, later revised several times during the week). The Chair noted rules and procedures. He reviewed his proposed agenda on Slide 4. Following discussion, the agenda was approved, without objection.

The Chair presented the slides through Slide 8.

Without objection, the minutes of the January F2F Meeting, in IEEE 802.11-18/0228r2, were approved at 16:06.

The Chair reviewed the AANI Background, per Slides 9-12.

Per Slide 15, the Chair invited the presentation of IEEE 802.11-18/0517r0 “802.11ax for IMT-2020 eMBB Indoor Hotspot and Dense Urban.” Shubhodeep Ahdikari (Broadcom). This presentation began at about 16:17.

Presentation and discussion followed. Some discussion addressed how strictly the analysis should consider the specifications existing within P802.11ax and whether some flexibility should be incorporated in order to take advantage of the specified IMT-2020 conditions.

Issues regarding the prospect of AANI meetings at future sessions were discussed. The Chair indicated that this would be further discussed at the Thursday meeting.

The Chair announced a recess of the meeting at 18:00.

Thursday 8 March 10:30

**Meeting Secretary: Mark Hamilton**

The Chair called the meeting to order at 10:30. The Chair introduced himself. Mark Hamilton volunteered to serve as secretary. Chair reminded the group of the procedures for the Standing Committee.

Chair reminded the group of the IEEE policies and guidelines.

The agenda deck is 11-18/0311r2. Question on the agenda item title “Decision on Contributions” – clarified this is just a discussion, we do not intend to make any formal decisions. The agenda was approved.

Consideration of 11-18/0481r0 (“3GPP TSG SA Status Update”; Joseph Levy, InterDigital). SA has completed 23.501, and 23.502, on 5G high-level architecture. 33.501 (security) and TR 23.793 (access traffic steering) are still in progress. Reviewed update details of each of these. No comments or questions.

Resumed discussion on 11-18/0517r0 “802.11ax for IMT-2020 eMBB Indoor Hotspot and Dense Urban” - Shubhodeep Ahdikari (Broadcom). Picked up at slide 25. Noted that mobility bandwidth calculations are not complete. Need some more discussion about whether the IMT-2020 requirements are achievable (by any technology). Also, mobility induced connection interruption needs to be reviewed. Discussion about geometry assumptions used, just for clarification. This completes the presentation of this draft of the document.

Reviewed status of IEEE 802 NEND ICA. A document of potential interest to this group is 1-18/0002r4, “Draft Report Wired Wireless Flexible Factory IoT”. No comments/questions.

Discussed the future of AANI SC. Chair and WG Chair have discussed, and agreed that the group needs to create useful output to have a reason to continue. AANI was formed to coordinate on an IMT-2020 proposal, and NEND ICA activities; added task to prepare a draft submission to ITU-R Working Party 5D proposing 802.11 as an IMT-2020 5G RIT. Considered each of these. Discussed way forward and potential “useful output”. Reminded that what we really need is contributions and commitment to put effort into the topics, not just agreement that these topics are important/interesting and “somebody should work on these”.

Comments: The original scope/plan was based on the assumption that 3GPP would develop a submission to IMT-2020 that included 802.11 as a RAT. Things have not unfolded that way. We clearly need to adjust and re-state our goals. Perhaps the kinds of work this group is now discussing could/should be handled in WNG. Noted that WNG has been typically “inward focused” on what 802.11 could do next – what we need is a place for discussion of activities outside 802.11 to let us discuss (and contribute to) how we fit into these external environments – both AANI and Coex SCs seem to be fitting that sort of role. Similarly, it is important that we do the self-evaluation of 802.11 meeting the IMT-2020 requirements, and make that information available, per the ITU-T process.

Consider a Straw Poll on Way Forward (asked everyone to vote for things you are actually willing to work on and contribute to):

1. Review and comment on the 3GPP SA specifications and send the comment to 3GPP SA
2. Review the 3GPP SA specifications and create an 802.11 specification gap analysis to be provided to the WG.
3. Choose an industry of interest to 802.11 and coordinate with NANDICA to create a white paper detailing the industry’s WLAN requirement.
4. Generate a white paper on 802.11 IMT-2020 performance for publication/publicity
5. Generate a IMT-2020 self-evaluation based on 802.11 addressing eMBB (indoor hotspot and dense urban, only)
6. Move/allow IMT-2020 discussion in WNG
7. 802.11 should not do any of the above

Results:

1. 0
2. 4
3. 1
4. 14
5. 10
6. 1
7. 12

This will be presented to the CAC tonight, and, based on any discussion there, at the 802.11 WG closing plenary, as a statement that it seems we do have some people willing to work on some items above, and if those some of those people really do follow-through, we’ll have plenty of work to do. But, it will then be up to the WG to decide if 802.11 agrees this is appropriate.

At 12:29, the Chair adjourned the meeting.