IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IEEE 802.11 AANI Standing Committee  Minutes, AANI SC, 2019-04-22 | | | | |
| Date: 2019-04-22 | | | | |
| Author: | | | | |
| Name | Affiliation | Address | Phone | Email |
| Haifeng Huang | Nufront | Tsinghua Science Park, 100084, Beijing, China | 8610-82150688 | haifeng.huang@nufront.com |

Note: r0 has been edited by the Joseph LEVY (Interdigital) the 802.11 AANI SC Chair

**IEEE 802.11 AANI Standing Committee**

**22 April 2019, 10:00 – 10:45 EDT**

1. The teleconference meeting was called to order, using <https://join.me/IEEE802.11>, at 10:00 AM EDT by the Chair, Joseph Levy (InterDigital).
2. The Chair presented from slide set [11-19/0669r1](https://mentor.ieee.org/802.11/dcn/19/11-19-0669-01-AANI-aani-sc-teleconference-agenda-monday-22-april-2019-10-11am-edt.pptx), which had been pre-circulated.
3. The Chair introduced himself and requested a secretary. Haifeng Huang (Nufront Associates) volunteered as secretary.
4. The Chair proposed the agenda on Slide 4. This was approved without comment at 10:05.
5. The Chair reviewed Slides 5-7.
6. The Chair reviewed the background to today's agenda, referring to Slides 8-10. He noted，
7. Backgroud-1: The meeting arose from contribution 802.11-19/0550r0. He stated that, after AANI had been assigned by the 802.11 WG Chair to review that contribution and develop a response, he had invited the authors to present additional detail; the results of that request were the two contributions: [11-19/0625](https://mentor.ieee.org/802.11/dcn/19/11-19-0625-00-AANI-proposal-from-nufront-20190407.pptx) and [11-19/0626](https://mentor.ieee.org/802.11/dcn/19/11-19-0626-00-AANI-euht-tech-brief-en-forieee-20190407.pptx), both by Jun Lei (Jun Lei).
8. Backgroud-2: On Monday 8 April 2019 @ 10:00 AM EDT, AANI and Jun Lei had a teleconference meeting for the first time to review and discuss the proposal from Jun LEI (Jun Lei), which is the contribution 11-19/0625r0 – “proposal from Jun Lei\_20190407”. It is proposed that IEEE and Jun Lei work together to directly submit IEEE 802.11ax and EUHT to ITU for IMT-2020. In which meeting, the participants discussed the detailed process to submit a proposal to IMT-2020, and the 802.11 WG Chair Dorothy Stanley provided information on that and also declared that IEEE 802.11 WG conduct business is a contribution-driven. Also agreed the second meeting schedule.
9. Backgroud-3: On Monday 16 April 2019 @ 22:00 EDT a second teleconference meeting is going that 11-19/0626r0 – “EUHT Tech Brief En for IEEE 20190407”, an overview of EUHT technology was presented by Jun Lei. And then 802.11 group pushed Jun Lei to start the system level simulation and provide more details because of the very tight schedule to May meeting. Also agreed the next meeting schedule which is today’s meeting.
10. From 10:15 until 10:35, Jun Lei presented [11-19/0671r0](https://mentor.ieee.org/802.11/dcn/19/11-19-0671-00-AANI-preliminary-results-of-euht-evaluation-on-urban-macro-urllc.pptx). It is about the “Preliminary Results of EUHT Evaluation on Urban Macro URLLC”. Then Questions, comments, and responses occupied most of the remaining meeting time. The key discussion points included:
11. The simulation results show that EUHT can meet the requirements of URLLC of IMT-2020.
12. A question was asked regarding how the calibration of simulation system can be completed so quickly, as many other companies in 3GPP need a year to complete the calibration.
13. Answer: There are 2 separate simulation procedures (system level simulation + link level simulation) for urban macro URLLC according to ITU. For the system level simulation, the SINR results from 3GPP evaluation can directly be used. For the link level simulation, the small fading channel is created by the codes developed by Professor Zhang Jianhua, who is the Chairman of ITU channel model group, and has calibrated the simulation. Therefore, the simulation results should be reliable.
14. Comment: Please provide more detailed simulation data.
15. Response: We are developing a single simulation platform by an experienced independent third party, so that can provide all required output data.
16. Comment: There is a need calibrate the result with the 3GPP companies.
17. Response: The current evaluation is the first step. More results will be provided in next meetings.
18. The Chair reminded the group that some evaluation results are already available for eMBB indoor. But, there are currently no existing 802.11 documents in ITU-R templet format that could be submitted, these documents would have to be created.
19. The Chair also reviewed the Dates of Interest slide in the agenda slide deck: [11-19/0669r1](https://mentor.ieee.org/802.11/dcn/19/11-19-0669-01-AANI-aani-sc-teleconference-agenda-monday-22-april-2019-10-11am-edt.pptx). He noted that time is very short and that there is significant work to be done if anything is to be submitted.
20. Comment: There are plans to continue and complete this work prior to the ITU-R WP5D IMT-2020 deadline. The proponents of this work are confident that EUHT will meet the requirements, since EUHT system and products are already deployed in many scenarios and proven to be able to achieve the required performance.
21. The Chair noted that the next two AANI meeting are scheduled for April 29. 10:00 EDT and May 6. 22:00 EDT and that there will be 4 AANI SC sessions at the upcoming face-to-face meeting 12-17 May 2019 in Atlanta, Georgia, USA.
22. Having exhorted the agenda, the Chair adjourned the AANI Standing Committee teleconference call at 10:45 EDT.

Attendees as identified on the call :

Joseph Levy (InterDigital)

Jun Lei (Nufront)

Gorge Calcev(Huawei)

Hassan Yaghoobi (Intel)

Jim Lansford (Qualcomm)

Ray Yang(InterDigital)

Haifeng Huang (Nufront)