IEEE P802.11
Wireless LANs

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| AANI Conference Call Minutes  |
| Date: 2017-11-20 |
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**Abstract**

This document contains the minutes of the IEEE 802.11 AANI conference call held on 11/20/2017.

**Chair: Joseph Levy, InterDigital**

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

**Meeting Secretary: Sigurd Schelstraete, Quantenna Communications**

**Participants** (as recorded from joinme – list may be incomplete)

Joe Levy (Interdigital)

Roger Marks (EthAirNet)

Adrian Stephens (Intel)

Edward Au (Huawei)

George Calcev (Huawei)

Lisa Ward (Rohde&Schwarz)

Marc Emmelman (self)

Osama Aboul-Magd (Huawei)

Rakesh Taori (PHAZR)

Sigurd Schelstraete (Quantenna)

Song An

Sue Leicht (NSA)

Sungeun Lee (Cypress)

Yasuhiko Inoue (NTT)

Yonggang Fang (ZTE)

Gabor Bajko (MediaTek)

Necati Canpolat (Intel)

Paul Nikolich

Robert Stacey (Intel)

Upkar Dhaliwal

**Meeting minutes**

The Chair called the meeting to order at 11:00AM EDT.

The agenda document is: <https://mentor.ieee.org/802.11/dcn/17/11-17-1808-01-AANI-aani-sc-agenda-20-november-2017-teleconference.pptx>

The proposed agenda was approved without objection

Patent policy was reviewed

Participation guidelines were reviewed

The chair indicated that the main topic for the call was the discussion to proposes 802.11 as a candidate technology for IMT-2020 RIT proposal. During the November 2017 meeting in Orlando, a motion was passed, inviting AANI to prepare draft documents for submission to the WP 5D meeting in January. These documents should be brought to the next 802.11 meeting and subsequently approved by the EC prior to the WP 5D meeting.

The chair summarized discussion he had with Michael Lynch, IEEE ITU-R Technical Liaison. From this discussion, it follows that:

* Proposal must be in ITU format
* It is recommended that the proposal gain 802.18 approval to help with EC approval
* Attendance at ITU-R WP5D meeting is critical to champion the proposal. Mike Lynch is currently not planning to attend.

After tis summary, there was a question on the significance of the January deadline. The chair proposed to return to this later after presentation of the submissions. Another question was on whether permission would be needed to contribute any drafts to ITU. These drafts would have to pass through the technical liaison.

**Presentations**

Preparation for IMT-2020 (5G) Candidate Submission (Rakesh Taori, PHAZR)

See: <https://mentor.ieee.org/802.11/dcn/17/11-17-1814-00-AANI-preparation-for-imt-2020-5g-candidate-submission.pptx>

This document provides an in-depth overview of the IMT process. The key group within ITU is WP5D, which is responsible for overall Radio System aspect, including IMT-2020.

The master document is M.2083, which provides a framework for IMT-2020

WP 5D has completed several key drafts and held a workshop on October 4th

Window for submissions ends June 2019. Two planned submission that have been announced : 3GPP and DECT. The presenter feels it is better not delay the submission since evaluation starts after submission and socializing is needed.

Doc 1814 clarifies the Usage scenarios & test environments for IMT-2020:

* eMBB: 3 test environments (indoor hotspot, dense urban, rural)
* mMTC: machine type comm (urban macro)
* URLLC: ultra-reliable low latency

Requirements for RIT

* 13 distinct requirements (peak data rate, spectral efficiency, …)
* Dependent on usage scenario. Most apply to eMBB.

Assessment method

* Some analytic, some simulation, some inspection

The following are needed for a submission to IMT-2020:

* Description template
	+ Description template -> skeleton framework is provided in 802.11/17-1812
	+ Compliance template -> skeleton framework is provided in 802.11/17-1813
* Initial self-evaluation submitted with initial proposal
* Need to fulfil at least three test environments
	+ 2 eMBB, choose one other
* Compliance with IPR policy

Based on the expected tasks, the presenter identifies the following suggested actions

* Deliver templates and self-evaluation to 802.18 no later than 12/22
* Assign tasks with ad-hoc groups
* Establish contact with evaluation groups
	+ List of registered evaluation groups
	+ Proposed to Focus on ATIS, CEG, WWRF
* WP 5D meeting attendance

Q&A:

The question was asked why a submission should be made before the June 2019 deadline. The presenter argues that evaluation will start earlier. He gives the 3GPP submission timeline as an example. We should not delay submission. We can do what others have done in the same timeframe, to be at par with other proposals.

Before the closing of the call, the chair reviews next steps:

* Schedule of work
* To-be-assigned tasks
* Future sessions
* F2F in Irvine

The chair adjourns the meeting at 12:00AM EDT.