IEEE P802.11
Wireless LANs

|  |
| --- |
| 802.11bf Teleconference Minutes February 2021 |
| Date: 2021-02-02 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Leif Wilhelmsson | Ericsson AB |  | +46 706 216956 | leif.r.wilhelmsson@ericsson.com |

Abstract

This document contains minutes for TG 802.11bf teleconferences in February 2021.

Rev 0: Minutes for TG 802.11bf teleconference on 2nd of February.

**Teleconference on Tuesday, February 2, 2021, 9:00am –11:00am (ET)**

**Proposed Agenda:**

* Call the meeting to order
* Patent policy and logistics
* TGbf Timeline
* Call for contribution
* Teleconference Times
* Technical motion (Motion 8-9)
* Presentation of submissions

|  |  |  |  |
| --- | --- | --- | --- |
| **DCN** | **Author** | **Title** | **Time duration** |
| 21/0145 | Sang Kim (LG Electronics) | SP: Collaborative WLAN Sensing – Follow Ups | 15 mins |
| 21/0147 | Rui Du (Huawei) | SP: Definitions and scenarios of the WLAN sensing – follow ups | 15 mins |
| 20/1851 | Cheng Chen (Intel) | SP: Overview of Wi-Fi sensing protocol | 15 mins |

* Any other business
* Adjourn

**Teleconferences are subject to applicable policies and procedures, see below.**
•       IEEE Code of Ethics
–       <https://www.ieee.org/about/corporate/governance/p7-8.html>
•       IEEE Standards Association (IEEE-SA) Affiliation FAQ
–       <https://standards.ieee.org/faqs/affiliation.html>
•       Antitrust and Competition Policy
–       <https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/antitrust.pdf>
•       IEEE-SA Patent Policy
–       <http://standards.ieee.org/develop/policies/bylaws/sect6-7.html>
–       <https://standards.ieee.org/about/sasb/patcom/>
 •       IEEE 802 Working Group Policies &Procedures (29 Jul 2016)
–       [http://www.ieee802.org/PNP/approved/IEEE\_802\_WG\_PandP\_v19.pdf](https://protect2.fireeye.com/v1/url?k=5e715d2a-02fb7fe5-5e711db1-0cc47ad93ea4-c0712d99b9889b4a&q=1&e=f61fa0ab-291b-4ac4-a25e-6335a767a660&u=http%3A%2F%2Fwww.ieee802.org%2FPNP%2Fapproved%2FIEEE_802_WG_PandP_v19.pdf)
•       IEEE 802 LMSC Chair's Guidelines (Approved 13 Jul 2018)
–       <https://mentor.ieee.org/802-ec/dcn/17/ec-17-0120-27-0PNP-ieee-802-lmsc-chairs-guidelines.pdf>
•       Participation in IEEE 802 Meetings
–       <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
•       IEEE 802.11 WG OM: (Approved 10 Nov 2017)
–       https://mentor.ieee.org/802.11/dcn/14/11-14-0629-22-0000-802-11-operations-manual.docx

**Chair Tony Xiao Han (Huawei) calls the meeting to order at 9:00 am (ET). (Around 40 persons on the call)**

The Chair goes through slide 4 in document 11-21/0180r0, covering “Meeting Protocol, Attendance, Voting & Document Status”.

The Chair goes through slides 6 and 7, covering “Participants have a duty to inform the IEEE” and “Ways to inform IEEE”, respectively.

The Chair made a Call for Potentially Essential Patents. No potentially essential patents reported, and no questions asked

The Chair goes through slides 8-15, covering “Other Guideline for IEEE WG meetings”, “Patent related information”, “IEEE SA Copyright Policy”, “Participant behavior in IEEE-SA activities is guided by the IEEE Codes of Ethics & Conduct”, “Participants in the IEEE-SA “individual process” shall act independently of others, including employers”, “IEEE-SA standards activities shall allow the fair & equitable consideration of all viewpoints”, and “Required notices”.

The Chair goes through the proposed agenda, slide 16 and asks if there are any comments or questions. No response from the group.

The Chair asks if there is any objection to approve the agenda by unanimous consent. No response from the group so the agenda is approved by unanimous consent.

The Chair goes through the TGbf Timeline.

The Chair goes through call for contribution.

The Chair goes through the teleconference times.

**Motions:**

**Motion 8: Move to add the following to 11bf SFD:**

A sensing procedure allows a STA to perform WLAN sensing and obtain measurement results. A sensing session is an instance of a sensing procedure with associated operational parameters of that instance.

**Move:** Cheng Chen

**Second:** Solomon Trainin

**Results:** Motion passed by unanimous consent.

**Motion 9: Move to add the following to 11bf SFD:**

* Sensing initiator and sensing responder
	+ Sensing initiator: a STA that initiates a WLAN sensing session
	+ Sensing responder: a STA that participates in a WLAN sensing session initiated by a sensing initiator
* Sensing transmitter and sensing receiver
	+ Sensing transmitter: a STA that transmits PPDUs used for sensing measurements in a sensing session
	+ Sensing receiver: a STA that receives PPDUs sent by a sensing transmitter and performs sensing measurements in a sensing session
* A STA can assume multiple roles in one sensing session.

**Move:** Cheng Chen

**Second:** Edward Au

**Results:** Motion passed by unanimous consent.

**Presentations:**

**11-21/0145r3, “Collaborative WLAN Sensing – Follow Ups”, Sang Kim (LGE):**

The contribution as such has been presented in the previous teleconference, where also SP 1 was run. The intention is to present and run SP2 and SP3.

**Straw Poll 2:** Do you support the receiving station reports with the channel information to the initiator?

**Straw Poll 3:** Do you support the receiving station reports with the channel measurement between sensing responders to the initiator?

After a rather lengthy discussion both SP2 and SP3 are deferred.

**11-21/0147r2, “Definitions and scenarios of the WLAN sensing – follow-up”, Rui Du (Huawei):** Revision 0 of this document was presented in the previous teleconference. The difference between r0 and r2 is that some wording has been slightly updated according to the presenter. The intention is to run the SPs.

**Straw Poll 1:**

**Do you agree with the following?**

A sensing initiator might be neither a sensing transmitter nor a sensing receiver.

**Y/N/A: 21/5/7**

**Straw Poll 2:**

**Do you agree with the following?**

Results of measurement performed in a sensing session should be obtained by or reported to its initiator.

**Y/N/A: 17/5/9**

**Straw Poll 3:**

**Do you agree with the following?**

The 11bf amendment define more than one type of sensing measurement results.

**Y/N/A: 27/1/3**

**Straw Poll 4:**

Do you agree with the following?

The type of measurement result obtained in a sensing session shall be decided by its initiator.

**Y/N/A: 18/4/8**

We are running out of time.

Tony asks if there is any other business. No response from the group.

**The meeting is adjourned without objection at 11:05 am (ET).**

**List of Attendees:**

|  |  |  |  |
| --- | --- | --- | --- |
| Breakout | Timestamp | Name | Affiliation |
| TGbf | 2/2 | Al Falujah, Iyad | ON Semiconductor |
| TGbf | 2/2 | Au, Kwok Shum | Huawei Technologies Co., Ltd |
| TGbf | 2/2 | Aygul, Mehmet | Istanbul Medipol University; Vestel |
| TGbf | 2/2 | Beg, Chris | Cognitive Systems Corp. |
| TGbf | 2/2 | Bluschke, Andreas | Signify |
| TGbf | 2/2 | Bredewoud, Albert | Broadcom Corporation |
| TGbf | 2/2 | Chayat, Naftali | Vayyar Imaging |
| TGbf | 2/2 | Choi, Jinsoo | LG ELECTRONICS |
| TGbf | 2/2 | da Silva, Claudio | Intel Corporation |
| TGbf | 2/2 | Dong, Xiandong | Xiaomi Inc. |
| TGbf | 2/2 | Du, Rui | Huawei Technologies Co., Ltd |
| TGbf | 2/2 | feng, Shuling | MediaTek Inc. |
| TGbf | 2/2 | Grigat, Michael | Deutsche Telekom AG |
| TGbf | 2/2 | HAN, Xiao | Huawei Technologies Co., Ltd |
| TGbf | 2/2 | Haskou, Abdullah | InterDigital, Inc. |
| TGbf | 2/2 | Jang, Insun | LG ELECTRONICS |
| TGbf | 2/2 | Kadampot, Ishaque Ashar | Qualcomm Incorporated |
| TGbf | 2/2 | Kim, Sang Gook | LG ELECTRONICS |
| TGbf | 2/2 | Kwon, Young Hoon | NXP Semiconductors |
| TGbf | 2/2 | Lim, Dong Guk | LG ELECTRONICS |
| TGbf | 2/2 | McCann, Stephen | Huawei Technologies Co., Ltd |
| TGbf | 2/2 | Merlin, Simone | Qualcomm Incorporated |
| TGbf | 2/2 | Ozbakis, Basak | VESTEL Electronics Corp. |
| TGbf | 2/2 | PESIN, ANTHONY | InterDigital, Inc. |
| TGbf | 2/2 | Pushkarna, Rajat | Panasonic Asia Pacific Pte Ltd. |
| TGbf | 2/2 | Sahin, Onur | InterDigital, Inc. |
| TGbf | 2/2 | Solaija, Muhammad Sohaib | Istanbul Medipol University; Vestel |
| TGbf | 2/2 | SUH, JUNG HOON | Huawei Technologies Co., Ltd |
| TGbf | 2/2 | Sun, Yingxiang | Huawei Technologies Co. Ltd |
| TGbf | 2/2 | Trainin, Solomon | Qualcomm Incorporated |
| TGbf | 2/2 | Tsai, Tsung-Han | MediaTek Inc. |
| TGbf | 2/2 | Wang, Chao Chun | MediaTek Inc. |
| TGbf | 2/2 | Wilhelmsson, Leif | Ericsson AB |
| TGbf | 2/2 | Xin, Yan | Huawei Technologies Co., Ltd |
| TGbf | 2/2 | Yano, Kazuto | Advanced Telecommunications Research Institute International (ATR) |
| TGbf | 2/2 | Yee, James | MediaTek Inc. |
| TGbf | 2/2 | Zhang, Meihong | Huawei Technologies Co., Ltd |
| TGbf | 2/2 | Zhou, Pei | Guangdong OPPO Mobile Telecommunications Corp.,Ltd |