IEEE P802.11
Wireless LANs

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| 802.11ba Teleconference Minutes November-December 2017 |
| Date: 06-28-2017 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Leif Wilhelmsson | Ericsson AB | Mobilvägen 1, 22632 Lund, Sweden | +46-706-216956 | leif.r.wilhelmsson@ericsson.com |

Abstract

This document contains minutes from TG 802.11ba teleconferences in November and December 2017.

Rev. 0: Minutes from TG 802.11ba teleconference on 27th of November, 2017.

Rev. 1: Minutes from TG 802.11ba teleconference on 11th of December, 2017 + some editorial corrections of Rev 0.

Rev2: Attendance list of Rev. 1 updated.

**Teleconference on Monday, November 27, 2017, 10:00 – 11:00am (ET)**

**Agenda:**

1. Call meeting to order

2. Agenda setting

3. Patent policy (link at the end of the email)

4. Attendance: send email to the chair or TGba secretary (Leif Wilhelmsson)

5. Presentations

1. <https://mentor.ieee.org/802.11/dcn/17/11-17-1696-00-00ba-distance-aware-wake-up-operation.pptx>

6. Adjourn

Please note that teleconferences are bound by the conditions stipulated by the documentation below.  Please review them and bring up any questions/concerns you may have before proceeding with the teleconference:

IEEE Patent Policy - <http://standards.ieee.org/board/pat/pat-slideset.ppt>
Patent FAQ - <http://standards.ieee.org/board/pat/faq.pdf>
LoA Form - <http://standards.ieee.org/board/pat/loa.pdf>
Affiliation FAQ - <http://standards.ieee.org/faqs/affiliationFAQ.html>
Anti-Trust FAQ - <http://standards.ieee.org/resources/antitrust-guidelines.pdf>
Ethics - <http://www.ieee.org/portal/cms_docs/about/CoE_poster.pdf>
IEEE 802.11 Working Group Operations Manual –
<https://mentor.ieee.org/802.11/dcn/09/11-09-0002-16-0000-802-11-operations-manual.doc>

**Chair Minyoung Park (Samsung) calls the meeting to order at 10:00am (ET).**

Minyoung goes through the agenda and asks if there is anything that should be added to the agenda. No discussion on the agenda, so the proposed agenda will be used.

Minyoung reviewes the IEEE 802 and 802.11 Policy and Procedure, and direct them to the links provided in call for this meeting in case of questions. Minyoung asks if there is any potentially essential patent that people are aware of or if there are any questions in this matter.

No potentially essential patents reported and no questions asked.

Minyoung reminds about recording attendance by sending an email to the secretary.

**Presentation:**

**11-17/1696r0, “Distance aware wake-up operation”, Enrico-Henrik Rantala (Nokia):**

The presentation proposes two new uses cases to high-light that there may be situations where the PCR only should be woken up if the STA is within a certain range to the AP, and where this range may be considerably less than the coverage of the WUR. The proposal is to also have a requirement where the WUR supports PCR wake-up based on the distance between the AP and the STA.

**Question (Q):** Would you need to change the signaling in any way to support this?

**Answer(A):** It would of course be possible to add an extra bit to signal this, but I believe this is not necessary as one may instead allocate some of the available addresses for this purpose.

**Q:** About the scenario with the high resolution screen, I believe the decision of waking up the PCR instead can be made by the AP.

**A:** I believe that traditionally this kind of decision is at the STA side, but I am open for discussion.

Minyoung mentions that he intends to send out an email summarizing who has volunteered to contribute to the drafting of the TGba specification D0.1.

**Meeting is adjourned at 10.19am (ET).**

**List of Attendees:**

|  |  |  |
| --- | --- | --- |
|  | Name | Affiliation |
| 1 | Minyoung Park | Samsung |
| 2 | Leif Wilhelmsson | Ericsson |
| 3 | Po-Kai Huang | Intel |
| 4 | Rui Yang | Interdigital |
| 5 | Yunsong Yang | Huawei |
| 6 | Adrian Stephens | Intel |
| 7 | John Notor | Notor Research/ARM Inc. |
| 8 | Osama Aboul-Magd | Huawei |
| 9 | Enrico-Henrik Rantala | Nokia |
| 10 | Joseph Levy | Interdigital |
| 11 | Xiaofei Wang | Interdigital |
| 12 | Dennis Sundman  | Ericsson |
| 13 | Hanseul Hong | Yonsei Univ. |
| 14 | Sue Leicht | NSA |
| 15 | Sungeun Lee | Cypress |
| 16 | Kaiying Lv | ZTE |

**Teleconference on Monday, December 11, 2017, 5:00 – 6:00pm (ET)**

**Agenda:**

1. Call meeting to order

2. Agenda setting

3. Patent policy (link at the end of the email)

4. Attendance: send email to the chair or TGba secretary (Leif Wilhelmsson: leif.r.wilhelmsson@ericsson.com)

5. Presentations

    1) [11-17/1854r0 Extending WUR sync sequence](https://mentor.ieee.org/802.11/dcn/17/11-17-1854-00-00ba-extending-wur-sync-sequence.pptx) (Enrico Rantala, Nokia)

    2) Updates from the subgroup leaders (Steve, Shahrnaz, Po-Kai, Alfred)

6. Adjourn

Please note that teleconferences are bound by the conditions stipulated by the documentation below.  Please review them and bring up any questions/concerns you may have before proceeding with the teleconference:

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Affiliation FAQ - <http://standards.ieee.org/faqs/affiliationFAQ.html>
Anti-Trust FAQ - <http://standards.ieee.org/resources/antitrust-guidelines.pdf>
Ethics - <http://www.ieee.org/portal/cms_docs/about/CoE_poster.pdf>
IEEE 802.11 Working Group Operations Manual –
<https://mentor.ieee.org/802.11/dcn/09/11-09-0002-16-0000-802-11-operations-manual.doc>

**Chair Minyoung Park (Samsung) calls the meeting to order at 5:04 pm (ET).**

Minyoung goes through the agenda and asks if there is anything that should be added to the agenda. No discussion on the agenda, so the proposed agenda will be used.

Minyoung reminds about the IEEE 802 and 802.11 Policy and Procedure and refer people to the links provided in the call for this meeting in case of questions. Minyoung asks if there is any potentially essential patent that people are aware of or if there are any questions in this matter.

No potentially essential patents reported and no questions asked.

Minyoung reminds about recording attendance by sending an email to the secretary.

**Presentation:**

**11-17/1854r0 “Extending WUR sequence” Enrico Rantala (Nokia):** The presentation is about sending more information in the actual sync sequence, i.e., having a larger set of sequences. This would then be instead of sending the corresponding information in the data portion of the packet. It is argued that this may be more power effective as the WUR would not have to decode the actual packet, but could dismiss the packet already based on the output of the correlator.

Question/Comment (Q): If the TYPE field is already at the beginning to the packet, the receiver can stop the actual processing almost as quickly, so I don’t think there is much to gain.

 Answer (A): I agree.

Q: What more information than TYPE do you envision?

A: Color code could be one example.

Q: On page 3, you assume that the correlator consumes less power than the processing of the remaining part of the packet, but I would assume it is the other way around.

A: There was a presentation pointing in this direction, but I need to look it up.

**Update on the spec. writing from the subgroup leaders:**

**PHY (Steve):** We have agreed to work together in one team on the PHY related sections (WUR Preamble and Data Field). I have put together a table with the different sub-clauses, also providing pointers to what the corresponding sub-clauses look like in earlier amendments. People have signed up for contributing to different sub-clauses and we will have a telco on the 20th. The plan is to upload something before the f2f.

**MAC WUR Negotiation and WUR Mode Signaling (Po-Kai):** We target to have an initial draft 2 of January, then two weeks of review, and upload before the f2f meeting.

Minyoung encourage to upload a few days before the f2f to provide people with some time to read, say upload Wednesday or Thursday the week before the f2f.

Steve asks Po-Kai if there is a preference when it comes to the PHY related text in order to ease including it into the specification draft. Po-Kai says it is OK with multiple documents, but it is good if the documents are consistent and also not have overlapping content.

**MAC Frame Format (Alfred):** We have a similar approach as the one described by Po-Kai. We plan to upload and use the version control on mentor. The intention is to upload an initial draft during the first week of January.

**Meeting is adjourned at 5.31pm (ET).**

**List of Attendees:**

|  |  |  |
| --- | --- | --- |
|  | Name | Affiliation |
| 1 | Minyoung Park | Samsung |
| 2 | Leif Wilhelmsson | Ericsson |
| 3 | Po-Kai Huang | Intel |
| 4 | Steve Shellhammer | Qualcomm |
| 5 | Yunsong Yang | Huawei |
| 6 | Alfred Asterjadhi | Qualcomm |
| 7 | Kaiying Lv | ZTE |
| 8 | Dennis Sundman | Ericsson |
| 9 | Enrico-Henrik Rantala | Nokia |
| 10  | Rojan Chitrakar | Panasonic |