**IEEE P802.19**

**Wireless Coexistence**

|  |  |  |
| --- | --- | --- |
| Project | IEEE P802.19 Wireless Coexistence WG | |
| Title | **January 2025 WG and TG3a Meeting Minutes** | |
| Date Submitted | [March 3, 2025] | |
| Source | Yukimasa Nagai Mitsubishi Electric Corporation 5-1-1 Ofuna, Kamakura, KANAGAWA  2478501 JAPAN | Voice: N/A  E-mail: Nagai.Yukimasa@ds.MitsubishiElectric.co.JP |
| Re: | [] | |
| Abstract | January 2025 IEEE 802.19 Working Group and IEEE 802.19.3a Task Group Meeting Minutes in Vancouver | |
| Purpose | [] | |
| Notice | This document has been prepared to assist the IEEE P802.19. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein. | |
| Release | The contributor acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by IEEE P802.19. | |

**Monday January 13, 2025 – Working Group Opening**

* WG chair called the meeting to order at 6:30 PM in both Kobe, JP and WebEx.
* The chair read IEEE IPR statement and IEEE-SA participant behavior slide on the WG Opening report, document 802.19-25/002r2. No objections and comments.  
  <https://mentor.ieee.org/802.19/dcn/25/19-25-0002-02-0000-january-2025-wg-opening-report.pptx>
* The chair reviewed the agenda. No changed were needed. The WG unanimously approved the agenda, document 802.19-25/0004r0.  
  <https://mentor.ieee.org/802.19/dcn/25/19-25-0004-00-0000-january-2025-wg-agenda.xlsx>
* The chair reviewed the WG opening Report, document 802.19-24/002r2.  
  <https://mentor.ieee.org/802.19/dcn/25/19-25-0002-02-0000-january-2025-wg-opening-report.pptx>
  + Voting member update: 53
  + Meeting time: Monday PM3 and Thursday PM3 (6:30 PM)
  + Don’t forget attendance for two sessions.
    - [IEEE Standards Association - Home](https://imat.ieee.org/attendance)
  + WG organization introduction
    - WG Chair : Tuncer Baykas (Ofinno)
    - WG Vice Chair : Steve Shellhammer (Qualcomm)
    - WG Secretary : Yukimasa Nagai (Mitsubishi Electric)
    - TG3a Chair : Ben Rolfe (Blind Creek Associates)
    - Liaison To/From 802.11 : Tuncer Baykas (Ofinno)
    - Liaison To/From 802.15 : Ben Rolfe (Blind Creek Associates)
  + Coexistence Assurance Report:
    - No voting between July and November meetings.
  + 802.19.3a Task Group Update
    - Scope of project and contribution plan were introduced.
  + Coexistence Meetings
    - This week there are several coexistences related meeting.
    - 802.11 Coex (Wed PM2)
    - No questions and comments
  + Public Visibility Report
    - Conference information was informed:
      * IEEE WFCS for Unlicensed Spectrum Technologies – Call for conference papers
      * IEICE Conference in Kyoto on Jan 17
  + The motion to approve the minutes from the previous meeting, document 802.19-24/0043r0, passed unanimously. Moved by Jim Lansford (fafier), Second by: Kazuto Yano (ATR)  
    <https://mentor.ieee.org/802.19/dcn/24/19-24-0043-00-0000-november-2024-wg-and-tg3a-minutes.docx>.
  + Liaison report from IEEE 802.11
    - The 802.11 liaison provided a verbal liaison report from 802.11. Group status updates were introduced: Auto TIG, TGbn, Enhanced Light Communication, etc, document xxxx.
    - Comment
      * Jim, Auto TG Chair introduced the status of Auto TIG which still early stage for discussion.
  + Liaison report from IEEE 802.15
    - The 802.15 liaison provided a verbal liaison report from 802.15. Group status updates were introduced: Next Gen UWB for comment resolution, TG4ad for the next generation SUN PHYs, TG4ac for privacy, TG4aa, IEEE 802.15.4-2024 has been published. THz demonstration this week.
    - Comment
      * Nothing
* No other business discussed.
* The WG recessed at 6:45 PM and switched to TG3a opening.

**Monday January 13, 2025 – TG3a Opening**

* TG chair called the meeting to order at 6:45PM.
* The chair reviewed the agenda, document 802.19-25/003r1.  
  <https://mentor.ieee.org/802.19/dcn/25/19-25-0003-01-003a-tg3a-agenda-and-meeting-slides.pptx>
  + The TG chair reviewed project overview, officers, near term milestones and call for contributions for specific topics. Neither future discussion nor objection for agenda. No changed were needed.
    - Draft outline and discussion from Shoichi Kitazawa, Muroran-IT, TG3a Technical Editor.
    - Technical presentation on Thursday 14 from Takenori Sumi, Mitsubishi Electric.
  + The TG3a unanimously approved the agenda.
* The motion to approve the minutes from the previous meeting, document 802.19-24/0043r0, passed unanimously.  
  <https://mentor.ieee.org/802.19/dcn/24/19-24-0043-00-0000-november-2024-wg-and-tg3a-minutes.docx>.
* Near Term Milestones was reviewed.
* Shoichi Kitazawa, Muroran-IT, TG3a Technical Editor presented the contribution titled “Table of Contents of 19.3a Draft“, document 802.19-25/0005r0.  
  <https://mentor.ieee.org/802.19/dcn/25/19-25-0005-00-003a-table-of-contents-of-19-3a-draft.docx>
  + Comments and Questions
    - Suggested to add IEEE 802.15.4-2024 features, and regulatory changes from IEEE 802.19-2021.
    - Suggested to both add and delete the contents from the current IEEE 802.19-2021.
    - Suggested to modify the terminology of IEEE 802.11ah to IEEE 802.11-2020 Sub-1 GHz, since IEEE 802.11ah-2016 has been rolled in the latest IEEE 802.11 standard.
    - Proposed to add measurement results and experimental results.
    - The document format for the contribution to draft was confirmed. TG3a Technical Editor welcomed any type of format at this stage.
    - Suggested to update the Overview and Scope to fit the latest standards. IEEE 802.11ah-2016 has been rolled in the latest IEEE 802.11 standard.
* No other business discussed.
* Call for additional topic on Thursday. Let the chair the item.
  + Joerg Robert, FAU, proposed to make presentation about draft structure and content on Thursday.
* The TG3a recessed at 7:10 PM.

**Thursday January 16, 2025 – Task Group Closing**

* The TG chair called the meeting to order at 6:30 PM in both Kobe, JP and WebEx.
* The chair reviewed the agenda., document 802.19-25/003r2.<https://mentor.ieee.org/802.19/dcn/25/19-25-0003-02-003a-tg3a-agenda-and-meeting-slides.pptx>
  + The TG chair read IEEE IPR statement and IEEE-SA participant behavior slide.
  + TG chair called to inform the IEEE of the identity of each holder of any potential essential patent claims. No response for potential essential patent information to TG Chair and WG Chair.
  + The TG3a unanimously approved the agenda without modifications.
* Takenori Sumi, Mitsubishi Electric, presented the contribution titled “IEEE 802.11ah and IEEE 802.15.4g SUN OFDM PHY Coexistence Simulation for Case 1-3 with Suspendable CSMA/CA” , document 802.19-25/0006r0.  
  <https://mentor.ieee.org/802.19/dcn/25/19-25-0006-00-003a-ieee-802-11ah-and-ieee-802-15-4g-sun-ofdm-phy-coexistence-simulation-for-case-1-3-with-suspendable-csma-ca.pptx>
  + Comments and Questions:
    - Simulation precondition was confirmed. The simulation results focused on packet delivery rate and latency. Did you evaluate the number of retry on the simulation? 🡪 Yes: the number of retry was evaluated on the log data. Show the result in the March meeting.
    - Simulation results for IEEE 802.15.4g latency changes from the normal CSMA/CA to Suspendable CSMA/CA. The Suspendable CSMA/CA has fewer packet discards than the original CAMA/CA on IEEE 802.15.4. The normal CSMA/CA discards packets due to the Number of Backoff (NB). Therefore, the delay time of Suspendable CSMA/CA is relatively longer than the normal CSMA/CA.
    - The assumption of PDR required in the system was confirmed, since simulation results also showed the saturated condition of bandwidth. The graphs on the presentation showed the trend of fairness of PDR and latency by traffic load. Actual condition might be more lower frequency utilization. On the other hand, some system required high PDR. So the Suspendable CSMA/CA can satisfy the system requirements.
* Joerg Robert, FAU, presented the contribution titled “Some Thoughts on 19.3a”, document 802.19-25/0007r1.  
  <https://mentor.ieee.org/802.19/dcn/25/19-25-0007-01-003a-some-thoughts-on-19-3a.pptx>
  + Comments and Questions:
    - Scope of recommended practice was clarified. The recommendation practice for IEEE 802.19.3a is flexible for the contexts including modifications for the related standards.
    - Discussion on Coexistence Standing Committee, coexistence of IEEE 802.11 and IEEE 802.15.4, was also introduced. The fair uses of the available spectrum for those two technologies are difference between IEEE 802.11 and IEEE 802.15.4. So the use cases and scenarios have been discussed in the SC in parallel with ETSI.
* Proposed Focus for March
  + Continue information gathering and sharing.
  + Revie technical requirements and conditions driving new and updated recommendations.
  + Consider technical proposals for recommendations.
  + These procedures were accepted by unanimously consent.
* No other business discussed.
* The TG adjourned 19:34 PM this week and switched to WG closing.

**Thursday January 16, 2024 – Working Group Closing**

* The WG chair called the meeting to order at 19:34 PM in both Kobe, JP and WebEx.  
  <https://mentor.ieee.org/802.19/dcn/25/19-25-0004-01-0000-january-2025-wg-agenda.xlsx>
* Agenda. Unanimously consents.
* The chair read IEEE IPR statement and IEEE-SA participant behavior slide on the WG Opening report, document 802.19-25/008r0. No objections and comments.  
  <https://mentor.ieee.org/802.19/dcn/25/19-25-0008-00-0000-january-2025-wg-closing-report.pptx>
* Coexistence Assessment Documents (CAD)
  + No voting between November to January meetings
* 802.19.3a Task Group Update
* Public Visibility SC Activities
  + IEICE event
* Straw Polls for Kobe meeting:
  + 1. How many people would like to come back to this venue?
    - Yes: 14 (more toller table is fine
    - No: 1
  + 2. Did you go to the social?
    - Yes: 16
    - No: 0
  + 3. If you attended the Social, did you like the social?
    - Yes: 16
    - No: 0
* If you would like to set up teleconference between meeting
* No other business discussed.
* The WG adjourned 19:42 PM this week.