IEEE P802.11  
Wireless LANs

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| IEEE 802.11 AMP TIG teleconference minutes for Dec 22 | | | | |
| Date: 2022-12-13 | | | | |
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Abstract

This document includes minutes of AMP TIG Session of December 2022 IEEE 802 teleconference meetings.

Version Tracking:

R0: Creating minutes.

# Tuesday 13 December 2022 @ 9:00-11:00 EST

## Opening (IEEE 802.11-22/2134r1)

* 1. Call to order 9:00 EST.
  2. Chair reminded members to record attendance in IMAT.
  3. Chair introduced the patent policy, copyright policy and other meeting rules (slides 3-13).
  4. No response to the call for patents.
  5. Chair reviewed current AMP TIG teleconference submissions. Chair/Secretary and Agenda of Teleconference (slides 14 ~ 16).
  6. Chair call for approval of the agenda of AMP session.

## Agenda (IEEE 802.11-22/2134r1)

* 1. Chair presented the agenda: https://mentor.ieee.org/802.11/dcn/22/11-22-2134-01-0amp-amp-tig-tc-agenda-for-dec-2022.pptx. (Slide 16)
     + Call meeting to order and remind the group to record attendance on imat.ieee.org
     + IEEE-SA IPR policies and meeting rules
     + Approval of agenda
     + Call for comments to tech report draft (11-22/1562r5)
       - Call for comments was announced on Oct 08 in reflector and is still valid
     + Contribution presentation and discussion
       - 11-22/2097, S1G EL operation, by Dave Halasz (Morse Micro)
       - 11-22/2133, new-use-case-for-amp-iot-devices, Amichai Sanderovich (Wiliot)
       - 11-22/2151, Operation Procedure for AMP device in WLAN, Yinan Qi (OPPO)
       - 11-22/1960r1, Summary and recommendation for AMP IoT, Weijie Xu(OPPO)
       - 11-22/ 1562r5, Draft Technical Report on support of AMP IoT devices in WLAN, Weijie Xu(OPPO)
     + Any other business?
     + Adjourn.
     + No objection, Agenda approved.

## Contribution discussion

* 1. Presentation of 11-22/2097, S1G EL operation, by Dave Halasz (Morse Micro)

Q(uestion): The understand of Energy limited STA is using the mechanism to optimize battery discharging and to prolong battery life. How does that used for AMP.

A(nswer): Could be used. The purpose of the paper is informational. We can discuss further exact application of the EL operation in AMP.

Q(uestion): How can the exact method to be used in AMP IoT, which may have ambient power source not in a pre-determined timers as EL defined.

A(nswer): We can discuss the details. This is more about reminder the availability of mechanism may be used for AMP devices.

* 1. Presentation of 11-22/2133, new-use-case-for-amp-iot-devices, Amichai Sanderovich (Wiliot)

Q(uestion): Protocol, about stack, IP operation or UDP operation.

A(nswer): UDP is expected.

Q(uestion): The low-cost part may be similar to RFID, what is the difference.

A(nswer): RFID have expensive reader and mean higher cost of infrastructure.

Q(uestion): The density of devices, can you further explain how it derived.

A(nswer): In around 100 m^2 and the possible number of device there.

C(ommet): The additional benefit of AMP devices is the higher communication capability for AMP.

Q(uestion) by chair: Do you want to include this use case into the TR.

A(nswer): Yes.

The chair suggests to include the used case in the updated TR revision by AMP rapporteur. It will be reviewed in one of the 2 sessions of January 2023.

* 1. Presentation of 11-22/2151, Operation Procedure for AMP device in WLAN, by Yinan Qi (OPPO):

Q(uestion): The storage in the AMP device can be also be divided into 2. One could be battery; another can be capacitor.

A(nswer): Capacitor have very small operation time after end of power source like evening of solar power. We think this categorization in the paper is mainly about amp-only device.

* 1. Presentation of 11-22/1960r1, Summary and recommendation for AMP IoT, by Weijie Xu (OPPO), update after November session based on comments.
  2. Presentation of 11-22/ 1562r5, Draft Technical Report on support of AMP IoT devices in WLAN, by Weijie Xu (OPPO). Latest update

Q(uestion): I will provide some regulation information to the TR.

A(nswer): Will update once received.

Chair: We plan to have final version of TR in the March next year. The January meeting will continuously work on the improving of the study.

Q(uestion): How much of further information we expect before the final.

A(nswer): We will try to have sufficient information for next stage in working group.

## Closing

* 1. The Chair announced two meeting slots during the January 2023 interim week and called for contributions. The Chair clarified our plan aiming at WG Motion in March meeting and confirmed that we will start discussing TIG SP content in Jan meeting.
  2. The Chair adjourned the session at 11:27 EST.