IEEE P802.11 Wireless LANs

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| Minutes for TGbe MAC Ad-Hoc teleconferences during March 2021 Plenary meeting |
| Date: 2021-03-08 |
| Author(s): |
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Abstract

This document contains the meeting minutes for the TGbe MAC ad hoc teleconferences during March 2021 Plenary meeting.

Revisions:

* Rev0: Added the minutes from the telephone conferences held on March 08 and 11 2021.

**Monday 08 March 2021, 19:00 –21:00 ET (TGbe MAC ad hoc conference call)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (LG Electronics)

This meeting took place using a webex session.

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 19:01 EDT. The Chair introduces himself and the Secretary, Jeongki Kim (LG)
2. The Chair goes through the 802 and 802.11 IPR policy and procedures and asks if there is anyone that is aware of any potentially essential patents. Nobody spoke up.
3. The Chair goes through the following Copyright Policy
	1. **Copyright Policy: Participants are advised that**
		1. IEEE SA’s copyright policy is described in [Clause 7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html%22%20%5Cl%20%227) of the IEEE SA Standards Board Bylaws and [Clause 6.1](https://standards.ieee.org/about/policies/opman/sect6.html) of the IEEE SA Standards Board Operations Manual;
		2. Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy
4. The Chair recommends using IMAT for recording the attendance.
	* Please record your attendance during the conference call by using the IMAT system:
		1. 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.
	* If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to Liwen Chu (liwen.chu@nxp.com) and Jeongki Kim (jeongki.kim@lge.com)

The Chair reminds that the agenda can be found in 11-20/0205r3. The agenda is modified

**Submissions**

* 1. [**1554r4**](https://mentor.ieee.org/802.11/dcn/20/11-20-1554-04-00be-ml-reconfiguration.pptx) **ML Reconfiguration Payam Torab**

**SP #4:**

* **Do you agree to add to TGbe SFD in R1, an announcement-based mechanism for an AP MLD to remove an affiliated AP STA?**

***Note: Announcement mechanism is similar in nature to Extended Channel Switch Announcement, indicating the number of TBTTs left to the moment the affiliated AP STA will become unavailable. The AP MLD should give sufficient advance notice to non-AP MLDs before removing the affiliated AP STA. Definition and mechanisms for “sufficient advance notice” is TBD.***

**Discussion:**

C: what does the remove mean? Disable?

A: AP can delelet the link

C: How is it differentiated with BTM (BSS termination)?

A: AP gives the non-AP the guideline for BTM.

C: In case of removing AP STA, what about non-AP STA which is affiliated with the AP?

A: If we have anything the spec, we can define it.

55Y/29N/33A

* 1. [252r4](https://mentor.ieee.org/802.11/dcn/21/11-21-0252-04-00be-cc34-resolution-for-misc-cids-related-to-clause-9-11.docx) Res. for Misc. CIDs related to Clause 9 and Clause 11 Gaurang Naik

SP2: Do you agree to the resolutions provided in doc 11-21/0252r4 for the following CIDs:1010, 1128, 1011, 1014, 1020, 1130, 1023No objection

* 1. [253r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0253-00-00be-cc34-resolution-for-cids-related-to-eht-capabilities-ie.docx) Res. for CIDs related to EHT Capabilities IE Gaurang Naik

SP: Do you agree to the resolutions provided in doc 11-21/0253r1 for the following CIDs:1126, 1004, 2246, 3352, 3353, 3354, 3355, 3356, 3357, 3358, 1009, 1121, 1133, 1022

Discussion:

C: You added in EHT MAC Capability. what about the multi-link capability?

A: It is already in the draft.

C: You need to clarify it

A: I just focus on EHT MAC capability.

No objection

* 1. [242r3](https://mentor.ieee.org/802.11/dcn/21/11-21-0242-02-00be-cc34-resolution-for-cids-related-to-ml-ie.docx) Res. for CIDs related to ML IE Abhishek Patil

Discussion:

C: Regarding the partial profile, what about the AP operation in case of rejected link existence? In that case, do we need reject reason code per link?

A: This is for a complete profile. That will be covered with other document.

C: do we need to add multiple BSSID in reported or reporting STAs?

C: do we need to remove the note in 35.3.4.3?

A: Is that shall meaning?

C: There is a condition such as supports SAE authentication…

CID 3209 is deferred.

R4 is on the server.

SP: Do you support the resolutions for the following CIDs in doc 11-21/0242r4:1006, 2095, 1774, 1897, 2860, 1831, 1007, 1898, 2861, 1154, 2850, 2450, 3366, 3152, 1716, 2898, 1477, 1155, 1414, 2581, 3367, 3359, 2583, 3360, 2859, 2295, 1494, 1033, 2580, 2181, 1183, 1777, 1918, 2414, 2582, 3211, 3249, 3368, 2182, 1744, 1047, 3221, 2120, 2584, 3210, 2585, 1415, 2744

No objection

* 1. [281r2](https://mentor.ieee.org/802.11/dcn/21/11-21-0281-00-00be-resolutions-for-cc34-cids-for-mlo-discovery-procedures-rnr.docx) Res. for CIDs for MLO Discovery procedures RNR Laurent Cariou

Discussion:

C: you ignore link id? Why do we mention ”ignore”?

A: Ok, simply removing ”ignore”.

C: at the last part, neighbor AP information fields is the same length?

C: higher than 0 or lower than 255 🡺 need to be and instead of or

C: This table is shared with 11ax STA. If you change this table, it’s not clear what is the HE STA operation?

A: in 11.49, there is description of HE STAs. HE STAs can ignore the contents of new size.

C: You added new value 4, 10 in the table. There is no description on them as normative part.

The meeting is adjourned at 21:00

**Thursday 11 March 2021, 09:00 –11:00 ET (TGbe MAC ad hoc conference call)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (LG Electronics)

This meeting took place using a webex session.

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 09:01am EDT. The Chair introduces himself and the Secretary, Jeongki Kim (LG)
2. The Chair goes through the 802 and 802.11 IPR policy and procedures and asks if there is anyone that is aware of any potentially essential patents. Nobody spoke up.
3. The Chair goes through the following Copyright Policy
	1. **Copyright Policy: Participants are advised that**
		1. IEEE SA’s copyright policy is described in [Clause 7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html%22%20%5Cl%20%227) of the IEEE SA Standards Board Bylaws and [Clause 6.1](https://standards.ieee.org/about/policies/opman/sect6.html) of the IEEE SA Standards Board Operations Manual;
		2. Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy
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	* If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to Liwen Chu (liwen.chu@nxp.com) and Jeongki Kim (jeongki.kim@lge.com)

The Chair reminds that the agenda can be found in 11-20/0205r5. The agenda is modified

**Submissions**

1. [**281r2**](https://mentor.ieee.org/802.11/dcn/21/11-21-0281-02-00be-resolutions-for-cc34-cids-for-mlo-discovery-procedures-rnr.docx) **Res. for CIDs for MLO Discovery procedures RNR Laurent Cariou**

Discussion:

C: Did we use MLD probe request?

C: You removed note. Could you keep the TBD?

A: you have the presentation?

C: Yes.

A: I’ll hold 1046,2151

C: 3260 is related to this.

C: Regarding active scaning, is it clear? Clarify?

A: that is used to discover AP..

C: I already responded it through e-mail.

C: 1675, ML element does not contain Per-STA profile?

A: That Per-STA profile is not included means it’s for all links.

C: Only common part is included in probe request?

A: Yes

C: 6GHz, PSC? non PSC? AP sends beacon through it.

C: You want to introduce the PSC channel concept here?

C: Want to hold the text for 20TU period related text.

A: I’ll defer it (2760)

C: I want to hold the 3210.

C: Note 1, MLD ID is unque in the frame? That means MLD ID can be changed in the other frame? You can mention it’s in frames.

C: MLD ID, 255, unknow AP? Or not reported AP? Can we use the different value such as 254?

C: Link ID, what is initial value of Link ID?

A: How does the AP MLD select the link ID?

C: Yes

A: Need further discussion.

C: I have a presentation for it.

**SP: Do you agree with the resolutions in document 281r4 for the following CIDs:**- 1015 1016 1017 1018 1019 1124 1125 1205 1728 1775 1901 1902 1903 2156 2157 2494 2566 2567 2568 2820 2972 2973 2974 3014 3015 3259 3361 3362 2969 1042 1044 1045 1048 1049 1187 1188 1189 1420 1421 1422 1423 1673 1675 1676 1782 1808 1926 2124 2150 2419 2421 2512 2591 2592 2858 3217 1039 1040 1041 1186 1418 1671 1672 1780 1781 1865 1866 1873 1923 1924 1925 1973 2186 2187 2298 2299 2589 2590 2854 2867 2876 2968 2975 2976 3215 3216

No objection

1. [364r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0364-01-00be-cr-definition-of-nstr-mld.docx) CR Definition of NSTR MLD Yunbo Li

Summary: Proposing the definitions of STR MLD and NSTR MLD

Discussion:

C: I think both part should be defined clearly. For example, STR is all link pairs are STR while NSTR is all link pairs are non-STR.

A: In that case, we can have three terms.

C: Need to have ambiguity on this

C: STR is per link basis. Some links are STR and other link pair is non-STR. I think STR MLD and non-STR MLD are bad terms.

A: I agree with it. But this will help for drafting the spec.

C: The second option makes sense.

A: When I prepare this, I suggest option 1 and some people prefer option 2. I align with you.

C: Option 2 makes sense.

C: STR/NSTR link pair, AP MLD need signaling of NSTR?

A: Soft AP can do it.

C: In that case, option 2 more makes sense.

**SP: Which option do you prefer for the definition of STR/NSTR MLD?**

Option 1

Option 2:

Option 3: doesn’t need a definition of a STR/NSTR MLD

Abs

1. ption 1/7 option 2/50 option 3/32 abstain
2. [373r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0373-01-00be-cr-mac-str-capability-signaling.docx) CR MAC STR Capability signaling Yunbo Li Defered to next time due to voice problem
3. [260r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0260-01-00be-cr-for-12-4.docx) CR for 12.4 Po-Kai Huang

Discussion:

C: The parameter of each AP shall be the same as that of AP MLD?

C: I object this approach. Each AP has inheritant value of MLD.

The meeting is adjourned at 11:00.