IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IEEE 802.11 TGax  November 2016 San Antonio PHY Ad Hoc Meeting Minutes | | | | |
| Date: 2016-09-12 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Hongyuan Zhang | Marvell |  |  | hongyuan@marvell.com |

Abstract

TGax meeting minutes for the IEEE 802.11 San Antonio PHY ad hoc session, November, 2016.

**Monday, Novemer 7th, 2016, PM2 TGax Session**

1. **Meeting called to order by Bo Sun (ZTE)** 
   1. The agenda is contained in 11-16/1475r0 which is on the server.
2. **Administrative Items**
   1. Chair reminded the IEEE 802 and IEEE 802.11 Policy and Procedure.
   2. Chair also reminded to do attendance.
3. **Set and approve agenda**
4. **Presentations**

**4.1**

**11-16-1374-00-00ax-resoluction-on-cid495-and-removal-of-unnecessary-phy-tbds**

**Yujin Noh (Newracom)**

**Discussions:**

Will update to r1 per Ross’s editorial suggestion

**SP#1: Do you agree to adopt the spec text changes as shown in doc 11/16-1374r1?**

**SP Result: No objection**

**4.2**

**11-16-1375-00-00ax-commont-resolution-for-cid2867-and-text-change-proposal-of-26-3-10-8-he-sig-b**

**Yujin Noh (Newracom)**

**Discussion:**

Change the resolution from “accepted” to “revised” in r1 per Bo Sun’s suggestion.

**SP#1: Do you agree to adopt the spec text changes as shown in doc 11/16-1375r1?**

**SP Result: No objection**

**4.3**

**11-16-1377-03-00ax-comment-resolution-on-clauses-26-3-9-and-26-3-10**

**Yusuke Asai (NTT)**

**Discussions:**

Postpone CID 2058 resolution per Hongyuan Zhang.

Revise to r4 (editorial) for typo correction per Bo Sun

**SP#1: Do you agree to adopt the spec text changes as shown in doc 11/16-1377r4, excluding CID 2058?**

**SP Result: No objection**

**4.4**

**11-16-1295-00-00ax-cc23-phy-cr-miscellaneous-part-1, Yongho Seok (Newracom)**

**Discussions:**

**SP#1: Do you agree to adopt the spec text changes as shown in doc 11/16-1295r0?**

**SP Result: No objection**

**4.5**

11-16-1398-00-00ax-cr-for-cid-2077, Sriram Venkateswaran (Broadcom)

**Discussions:**

Will revise to r1 for reference number per Bo Sun.

**SP#1: Do you agree to adopt the spec text changes as shown in doc 11/16-1398r1?**

**SP Result: No objection**

**4.6**

**11-16-1448-00-00ax-remaining-cr-on-secition-26-2-2-txrxvector-parameters, Ke Yao (ZTE)**

**Discussions:**

**SP#1: Do you agree to adopt the spec text changes as shown in doc 11/16-1448r0?**

**SP Result: No objection**

**4.7**

**11-16-1408-00-00ax-phy-crs-26-3-3-26-3-18-26-3-19, Xiaogang Chen (Intel)**

**Discussions:**

**SP#1: Do you agree to adopt the spec text changes as shown in doc 11/16-1408r0?**

**SP Result: No objection**

**4.8**

**11-16-1356-00-00ax-spec-text-for-he-ndp, Yongho Seok (Newracom)**

**Discussions:**

**SP#1: Do you agree to adopt the spec text changes as shown in doc 11/16-1356r0?**

**SP Result: No objection**

**4.9**

**11-16-1393-00-00ax-evm-definition-for-ul-ofdma, Ron Porat (Broadcom)**

**Discussions:**

**SP#1: Do you support adding to D0.5 the proposals on slide 13 and 16?**

**SP Result: No objection**

**Session Recessed**

**Tuesday, Nov 8th, 2016, AM2, TGax Session**

1. **Meeting called to order by Bo Sun (ZTE)** 
   1. The agenda is contained in 11-16/1475r1 which is on the server.
2. **Administrative Items**
   1. Chair reminded the IEEE 802 and IEEE 802.11 Policy and Procedure.
   2. Chair also reminded to do attendance.
3. **Set and approve agenda**
4. **Presentations**

**4.1**

**11-16-1341-06-00ax-cr-he-phy-introduction-part-2, Sameer Vermani (Qualcomm)**

**Discussions:**

**SP1 Do you agree to adopt the spec text changes on CID 1849 as shown in doc 11/16-1341r6?**

**SP Result: No Objection;**

**4.2**

**11-16-1377-05-00ax-comment-resolution-on-clauses-26-3-9-and-26-3-10**

**Yusuke Asai (NTT)**

**Discussions:** more offline discussion needed for CID2058

**4.3**

**11-16-1387-02-00ax-comment-resolution-on-cid2506-and-proposed-changes,**

**Jinsoo Choi (LG)**

**Discussions:**

**Make r3 for the terminology “legacy” per suggestion from Osama.**

**SP1: Do you agree the resolution to the comment CID 2506 below as in 11-16/1387r3?**

**SP Result: No Objection**

**SP2: Do you agree adopt the two proposed changes in 11-16/1387r3 other than the comment resolution of CID 2506?**

**SP Result: No Objection**

**4.4 SP by chair Bo Sun (ZTE)**

**SP1: Do you agree the following resolution to CID 85**   
–Resolution: Rejected   
–Reason: The comment doesn’t provide an applicable change suggestion to the spec draft.

**SP Result: No Objection.**

**4.5**

**11-16-1427-02-00ax-remove-tbds-in-phy-transmit-spec, Youjin Noh (Newracom)**

**Discussions:**

**SP1: Do you agree to adopt the spec text changes as shown in doc 11/16-1427r2?**

**SP Result: No Objection;**

**4.6**

**11-16-1370-03-00ax-cca-section, Laurent Cariou (Intel)**

**Discussions:**

Per Jianhan, will make an r4 on preamble puncturing, removing TBD, and removing TVHT in the table.

Per Bo, RSSI in the table to cover non HE cases, refer to tables in revmc.

**SP1: Do you agree to adopt the spec text changes as shown in doc 11/16-1370r4?**

**SP Result: No Objection**

**4.7**

**11-16-1399-01-00ax-changes-to-d0-5, Sriram Venkateswaran (Broadcom)**

**Discussions:**

Will make an r2, delete change#5, per Jianhan

**SP1: Do you agree to adopt the spec text changes as shown in doc 11/16-1399r2?**

**SP Result: No Objection**

**4.8**

**11-16-1377-06-00ax-comment-resolution-on-clauses-26-3-9-and-26-3-10**

**Yusuke Asai (NTT)**

**Discussions:** revised resolution for CID 2058 per offline discussion

**SP1: Do you agree to adopt the resolution of CID 2058 as shown in doc 11/16-1377r6?**

**SP Result: No Objection**

**4.9**

**11-16-1402-01-00ax-11ax-receiver-specification, & 11-16-1406-01-00ax-spec-text-for-11ax-receiver-requirements, Bin Tian (Qualcomm)**

**Discussions:**

**SP1: Do you agree to adopt the spec text in doc 11/16-1406r1 11ax Receiver Requirements?**

**SP Result: No Objection**

**Session Recessed**

**Wednesday, Nov 9th, 2016, PM1 TGax Session**

1. **Meeting called to order by Jianhan Liu (Mediatek)** 
   1. The agenda is contained in 11-16/1475r1 which is on the server.
2. **Administrative Items**
   1. Chair reminded the IEEE 802 and IEEE 802.11 Policy and Procedure.
   2. Chair also reminded to do attendance.
3. **Set and approve agenda**
4. **Presentations**

**4.1**

**11-16-1522-01-00ax-CID2147-SIGB-padding, Hongyuan Zhang (Marvell)**

**Discussions:** change header to r2, per Jianhan

**SP1: Do you agree to adopt the spec text changes for CID 2147 in doc 11/16-1522r2? (will override the resolution of the same CID in 1408r0)**

**SP Result: No Objection**

**4.2**

**11-16-1407-03-00ax-changes-to-d0-5, Xiaogang Chen (Intel)**

**Discussions:** will make r4, highlighting new insertions per Jinsoo

**SP1: Do you agree to adopt the spec text changes in doc 11/16-1407r4?**

**SP Result: No Objection**

**4.3**

**11-16-1421-00-00ax-smoothness-recommendation-for-4x-he-ltf, & 11-16-1443-00-00ax-spec-text-smoothness-recommendation-for-he-ltf, Feng Jiang (Intel)**

**Discussions:**

Q: recommendation only?

A: yes

Q: possible to provide example in spec?

A: yes, results are available.

**SP1: Do you agree to adopt the spec text changes in doc 11/16-1443r0?**

**SP Result: No Objection**

**4.4**

**11-16-1410-01-00ax-Clause-26-Fixes, Hongyuan Zhang (Marvell)**

**Discussions:**

Revised proposed change #2 to cover eta = 1 in all other cases, will make r2

**SP1: Do you agree to adopt the spec text changes in doc 11/16-1410r2?**

**SP Result: No Objection**

**4.5**

**11-16-1411-00-00ax-TXTIME-and-RXTIME-Fixes, Hongyuan Zhang (Marvell)**

**Discussions:**

Sigurd: “actual ending time” is ambiguous, may need to precisely define it in next draft.

Will make r1 correcting some typo in equation.

**SP1: Do you agree to adopt the spec text changes in doc 11/16-1411r1?**

**SP Result: No Objection**

**4.6**

**11-16-1437-00-00ax-updated-text-for-dcm, Jianhan Liu (Mediatek)**

**Discussions:**

**SP1: Do you agree to adopt the spec text changes in doc 11/16-1437r0?**

**SP Result: No Objection**

**4.7**

**11-16-1438-04-00ax-0-8us-gi-with-4x-he-ltf, Jianhan Liu (Mediatek)**

**Discussions:**

**SP1: Do you agree to adopt the spec text changes in doc 11/16-1438r4?**

**SP Result: No Objection**

**4.8**

**11-16-1439-01-00ax-error-correction-to-d0-5-on-beam-change-text, Jianhan Liu (Mediatek)**

**Discussions:**

**SP1: Do you agree to adopt the spec text changes in doc 11/16-1439r1?**

**SP Result: No Objection**

**4.9**

**11-16-1449-03-00ax-proposed-text-changes-to-txrxvector-in-clause-26-2-2, Ke Yao (ZTE)**

**Discussions:**

**SP1: Do you agree to adopt the spec text changes in doc 11/16-1449r3?**

**SP Result: No Objection**

**Adjourned**