IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Comment Resolutions for Annex B | | | | |
| Date: 2015-01-12 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Liwen Chu | Marvell |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Abstract

This submission proposes comment resolutions for Annex B:

5118, 5119, 5120, 5349, 5351, 5393, 5394, 5121, 5122, 5123, 5124, 5125, 5126, 5395, 5409.

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGah Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGah Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGah Editor: Editing instructions preceded by “TGah Editor” are instructions to the TGah editor to modify existing material in the TGah draft. As a result of adopting the changes, the TGah editor will execute the instructions rather than copy them to the TGah Draft.***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Clause Num** | **P** | **L** | **Comment** | **Propose Change** | **Resolution** |
| 5118 | B.4.3 | 511 | 59 | I am not sure the "&not CF32" is needed. It is clear enough that this function is only for CF25 (DMG STA) | delete "&not CF25" | Revise    TGah Editor deletes "&not CF32" in P511L59 |
| 5119 | B.4.3 | 5.12 | 44 | CF33 seems to make Relay optional for all other .11 amendments (HT, VHT, DMG, HEW,...). Is that really the intention? | add "AND CF32" | Reject  Discussion: the Relay in 11ah allows any band STAs/APs to use it. |
| 5120 | B.4.4.2 | 514 | 31 | there is seems to be a contradiction in FT46 category. While FT 46 mandates all NDP CMAC frames, the sub categories have some of them options. Need to decide which way is the support for CMAC frames. | I think what needs to be done is to treat NDP CMAC frames as a category with no indication of M or O, then treat each frame type separately | Reject  Discussion: FT46 mandatory means that NDP frame as a total feature must be supported by a S1G STA/AP. However some of NDP frames may be optional. |
| 5349 | B.4.4 | 512 | 51 | As pointed out by the editors note rows FT7 and FR7 in the table of this subclause are not inline with REVmc D3.0. Also the conditions in REVmc D3.0 use AND, OR terminology rather than &. So keep consistency throughout annex B. | Fix this inconsistency. Also check that all the tables are inline with REVmc D3.0 to avoid other inconsistencies. | Revise  TGah editor changes status of FT7 to “(CF1 OR CF2.2  OR CF21)  AND (CF27 AND (NOT CF32)):M”  TGah editor changes status of FR7 to “(NOT CF31 AND (NOT CF32)):M  (CF27 AND (NOT CF 32)):M”  TGah editor changes “&” to “AND” in all the tables of Annex B  TGah editor changes “or” to “OR” in all the tables of Annex B |
| 5351 | B4.4.2 | 514 | 23 | This is mandatory also if Dynamic AID is negotiated. I think a carefull review is still needed for annex B to see that all the rows are inline with the latest version of the draft. | As in comment. | Revise  Discussion: Generally agree with the comment. S1GM13 idenfities multicast AID feature. Therre is nothing to do with dynamic AID. Once Multicast AID is supported, PV1 is used.  TGah editor changes status of FT45.6 as  “CF32:O  RL6:M   |  | | --- | | (CF32 AND S1GM13):M |   ” |
| 5393 | B4.4.2 | 517 | 33 | The first (Mandatory) Status of FR46.6 includes (S1GM20.5 Assume the role of non-sensor STA). It shall be S1GM20.4 (Assume the role of sensor STA) | Modify the first Status of FR46.6 as follows:  CF32 & (S1GM20.1 OR S1GM20.3 OR S1GM20.4):M | Accept |
| 5394 | B4.4.2 | 517 | 33 | A Status of FR47.9 (NDP CF-End) is specified as "(CF2 & CF32):O". However, as an S1G Capabilities element does not include NDP CF-End capability field, an S1G STA cannot know whether the recipient STA supports reception of NDP CF-End frame. Reception of NDP CF-End frame shall be mandatory. | Change the Status of FR47.9 (NDP CF-End) to "CF32:M". | Reject  Discussion: It is true that there is no capability bit for CF-End support. Actually the transmitter of NDP CF-End doesn’t know which STAs will reset the NAV since it is the 3rd party neighbor STAs to reset NAV if they want to do it. |
| 5121 | B.4.17.1 | 521 | 36 | for HTM Table, there are many instances where the we have "CF16&not CF32): M followed by CF32:O. It makes things more complex than it should. It is enough to CF32:O | It happens in more than one place in the table. Delete "&not CF32" | Reject  Discussion: A-MPDU is not just HT feature for 2.4/5GHz bands. As a MAC feature, other band can also use it as optional, e.g. S1G band. |
| 5122 | B.4.25.1 | 524 | 7 | I am really not sure of this but I am asking anyway, Why VHT Single MPDU format is mandatory in S1G? | Clarify | Reject  Discussion: VHT Single MPDU is a MPDU format by using A-MPDU. As A-MPDU is optional MAC feature in S1G band, VHT Single MPDU is mandatory feature in S1G band. |
| 5123 | B.4.26a.1 | 524 | 20 | S1G tables...Need to add an "\*" for those entries that are referenced elsewhere in the table. | as in comment | Accept |
| 5124 | B.4.26a.1 | 525 | 24 | Timing Synchronization function (TSF) seems to be a category. There is no need to assign M or O to it. Please check other tables for examples. | as in comment | Reject  Discussion: in 802.11 baseline, TSF is assigned M/O also. |
| 5125 | B.4.26a.1 | 528 | 36 | Isn't traveling Pilot operation a PHY function? Why it is included in the MAC table? | clarify | Reject  Discussion: traveling Pilot operation is MAC feature to manage PHY travelling Pilot. |
| 5126 | B.4.26a.1 | 529 | 4 | My understanding is Flow control is only applicable to the Relay function. Why it is a mandatory function for S1G STA? | Clarify | Reject  Discussion: the group thinks that Flow Control can help other WLAN deployment other than Relay function, e.g. AP and its associated STAs. |
| ~~5350~~ | ~~B.4.26a.1~~ | ~~526~~ | ~~15~~ | ~~Terminologies have changed, again... We have a TWT requester and TWT responder. And this part needs to be inline with the respective subclause.~~ | ~~Make sure the terminologies are inline with the corresponding subclauses for all uses of TWT elements, TACK/STACK/BAT, TWT Information etc. Before we had 1 capability bit for TWT support. Now we have 2 bits one for requester and one for responder.~~ |  |
| 5395 | B.4.26a.1 | 531 | 9 | Status of S1GM23.1.4 to S1GM23.1.6 are specified as "(CF2 & CF32 & not S1GM7):M". It is necessary to add "(CF2 & CF32 & S1GM7):O". | As in comment. | Revise  TGah editor adds “(CF2 AND CF32 AND S1GM7):O” to Status of S1GM23.1.4 to S1GM23.1.6. |
| 5409 | B.4.26a.1 | 529 | 53 | Typo in S1GM20.5, "non-ensor STA". | Correct to "non-sensor STA" | Accept |