IEEE P802.11
Wireless LANs

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| LB225 CR for Subclause 9.4.2.218.2 |
| Date: 2017-03-07 |
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Abstract

This submission proposes resolutions of comments received from TGax LB225. (The proposed change is based on TGax Draft 1.0.)

* CIDs: 4575 4581 5134 5135 5837 6368 6369 6370 6371 7759 7760 8159 9371 (13 CIDs)

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: change the resolution “revised” for CID 6368, 6369, 6370 and 6371 to “rejected”

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 TGax Draft. This introduction is not part of the adopted material.

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

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

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| **CID** | **Clause** | **Page No.** | **Comment** | **Proposed Change** | **Resolution** |
| 4575 | 9.4.2.218.2 | 77.38 | Add clarity and call out bit position in Table 9-262z for subfield "Fragmentation Support" corresponding to those bit positions in Figure 9-589ck. | Add bits "B3-B4:" in Definition column before the word "Indicates"Add bits "B3-B4:" in Encoding column before the word "Set" | RejectedThe reason is that it is redundant, the “Fragmentation Support” subfield already indicated the the corresponding the bits position implicitly. |
| 4581 | 9.4.2.218.2 | 77.54 | Add clarity and call out bit position in Table 9-262z for subfield "Maximum number of Fragmented MSDUs" corresponding to those bit positions in Figure 9-589ck. | Add bits "B5-B7:" in Definition column before the word "Indicates"Add bits "B5-B7:" in Encoding column before the word "The" | RejectedThe reason is that it is redundant; the “Maximum number of Fragmented MSDUs” subfield already indicated the corresponding the bits position implicitly. |
| 5134 | 9.4.2.218.2 | 77.54 | What is Maximum Number of Fragmented MSDU's set to if Fragmentation Support is 0? Please clarify. | As in comment | RevisedAgree with the comment. Proposed resolution accounts for the suggested changeTGax editor please make the changes as shown in 11-17/0362 r1 |
| 5135 | 9.4.2.218.2 | 78.04 | What is Minimum Fragment Size set to if Fragmentation Support is 0? Please clarify. | As in comment | RevisedAgree with the comment. Proposed resolution accounts for the suggested changeTGax editor please make the changes as shown in 11-17/0362 r1 |
| 5837 | 9.4.2.218.2 | 78.04 | Minimum Fragmentation Size should apply to all fragments, except the last one | Replace the text: "Indicates the minimum payload size in octets of the first fragment of an MSDU that is supported by the STA.". With the text: "Indicates the minimum payload size in octets of the fragment of an MSDU, except the last fragment, that is supported by the STA." | RejectedThe “Minimum Fragment Size” Subfield is specified only for the first fragment of an MSDU because of the IP header contained in MSDU. |
| 6368 | 9.4.2.218.2 | 77.43 | Use of undefined term: "Single MPDU". From the capitalization, it must be inferred that this is a defined term, but where is the definition? The draft also uses "single MPDU", and for good measure both "VHT Single MPDU" and "VHT single MPDU". The baseline | Clarify. | Rejected“Single MPDU” is a defined term in 802.11ah, which is equivalent to VHT single MPDU in 802.11ac. Its abbreviation is S-MPDU.TGax editor please make the changes as shown in 11-17/0362 r1 |
| 6369 | 9.4.2.218.2 | 77.46 | Use of undefined term: "Single MPDU". From the capitalization, it must be inferred that this is a defined term, but where is the definition? The draft also uses "single MPDU", and for good measure both "VHT Single MPDU" and "VHT single MPDU". The baseline | Clarify. | Rejected“Single MPDU” is a defined term in 802.11ah, which is equivalent to VHT single MPDU in 802.11ac. Its abbreviation is S-MPDU.TGax editor please make the changes as shown in 11-17/0362 r1 |
| 6370 | 9.4.2.218.2 | 77.48 | Use of undefined term: "Single MPDU". From the capitalization, it must be inferred that this is a defined term, but where is the definition? The draft also uses "single MPDU", and for good measure both "VHT Single MPDU" and "VHT single MPDU". The baseline | Clarify. | Rejected“Single MPDU” is a defined term in 802.11ah, which is equivalent to VHT single MPDU in 802.11ac. Its abbreviation is S-MPDU.TGax editor please make the changes as shown in 11-17/0362 r1 |
| 6371 | 9.4.2.218.2 | 77.52 | Use of undefined term: "Single MPDU". From the capitalization, it must be inferred that this is a defined term, but where is the definition? The draft also uses "single MPDU", and for good measure both "VHT Single MPDU" and "VHT single MPDU". The baseline | Clarify. | Rejected“Single MPDU” is a defined term in 802.11ah, equal to VHT single MPDU. Its abbreviation is S-MPDU.TGax editor please make the changes as shown in 11-17/0362 r1 |
| 7759 | 9.4.2.218.2 | 77.55 | Can refers to normative permission, not appropriate here | Change "can be concurrently received by a STA" to "the STA is capable of receiving concurrently" | AcceptedTGax editor please make the changes as shown in 11-17/0362 r1 |
| 7760 | 9.4.2.218.2 | 77.39 | "a STA" is non-specific, but this information is for \_this\_ STA | Change "a STA" to "the STA" throughout this subclause (3 occurrances) | AcceptedTGax editor please make the changes as shown in 11-17/0362 r1 |
| 8159 | 9.4.2.218.2 | 77.38 | Level 2 and level 3 supports to fragment A-MSDU according to the section 27.3 | add description for A-MSDU | RevisedProposed resolution accounts for the suggested change based on the section 27.3TGax editor please make the changes as shown in 11-17/0362 r1 |
| 9371 | 9.4.2.218.2 | 77.43 | Change "Single MPDU" to "S-MPDU" | As in comment | RevisedProposed resolution accounts for the suggested change TGax editor please make the changes as shown in 11-17/0362 r1 |
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**Discussion: *…***

**TGax Editor*: Insert a new subclause immediately after 9.4.2.214 (HE Operations element) of 11ax Draft 0.1:***

**The subfields of the HE MAC Capabilities Information field are defined in Table 9-262z (Subfields of the HE MAC Capabilities Information field).**

**Table 9-262z—Subfields of the HE MAC Capabilities Information field**

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| **Subfield** | **Definition** | **Encoding** |
| +HTC-HE Support | Indicates if the STA supports the reception of an HE variant HT Control field carried in a QoS Data, QoS Null, or Management frame. | Set to 1 if the STA supports reception of an HE variant HT Control field. Set to 0 otherwise. |
| TWT Requester Support | Indicates support by an HE STA for the role of TWT requesting STA as described in 10.44 (Target wake time (TWT)). | Set to 1 if dot11TWTOptionActivated is true and the STA supports TWT requester STA functionality (see 10.44 (Target wake time (TWT))).Set to 0 otherwise. |
| TWT Responder Support | Indicates support by an HE STA for the role of TWT responder STA as described in 10.44 (Target wake time (TWT)). | Set to 1 if dot11TWTOptionActivated is true and the STA supports TWT responder STA functionality (see 10.44 (Target wake time (TWT))).Set to 0 otherwise. |
| Fragmentation Support | Indicates the level of dynamic fragmentation that is supported by a STA as a recipient. | Set to 0 for no support for dynamic fragmentation.Set to 1 for support for dynamic fragments that are contained within an MPDU or S-MPDU(#9371), no support for dynamic fragments within an A-MPDU that is not a S-MPDU.Set to 2 for support for dynamic fragments that are contained within an MPDU or S-MPDU(#9371) and support for up to one dynamic fragment for each MSDU, each A-MSDU if supported by the recipient(#8159) and each MMPDU within an A-MPDU or multi-TID A-MPDU that is not an MPDU or S-MPDU(#9371).Set to 3 for support for dynamic fragments that are contained within an MPDU or S-MPDU(#9371) and support for multiple dynamic fragments for each MSDU , and for each A-MSDU if supported by the recipient(#8159) within an AMPDU or multi-TID AMPDU and up to one dynamic fragment for each MMPDU in a multi-TID A-MPDU that is not an MPDU or S-MPDU(#9371). |
| Maximum Number of FragmentedMSDUs | Indicates the maximum number of fragmented MSDUs that the STA is capable of receiving concurrently (#7759,7760). |  If Fragmentation Support is greater than 0:The maximum number of fragmented MSDUs, Nmax, defined by this field is Nmax = 2Maximum Number Of FMPDUs, except for a value of the Maximum Number of Fragmented MSDUs equal to 7 which indicates that there is no restriction.Reserved if Fragmentation Support is 0. (#5134) |
| Minimum Fragment Size | Indicates the minimum payload size in octets of the first fragment of an MSDU that is supported by the STA | If Fragmentation Support is greater than 0: Set to 0 to indicate no restriction on the minimum payload size.Set to 1 to indicate a minimum payload size of 128 octets.Set to 2 to indicate a minimum payload size of 256 octets.Set to 3 to indicate a minimum payload size of 512 octets.Reserved if Fragmentation Support is 0. (#5135) |
| … | … | … |