IEEE P802.11  
Wireless LANs

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| CR of CID 4301 | | | | |
| Date: 2022-01-05 | | | | |
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1. **Introduction**

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 TGbe Draft. The introduction and the explanation of the proposed changes are not part of the adopted material.

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| **CID** | **Commenter** | **Clause** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 4301 | Alfred Asterjadhi | 9.3.1.8 | 0.00 | Perhaps a reference to the normative behaviors for the setting of bitmap sizes is beneficial here. You would have up to 64 for pre-HE, up to 256 for HE and up to 1K for EHT. Same consideration for multi STA BA (even though pre-HE does not apply here). | As in comment. | Revised  Agree with the commenter.  TGbe editor to make the changes with the CID tag 4301 in doc 22/0185r0 |
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***Editing instructions formatted like this are intended to be copied into the TGbe Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

Discussion:

1. **Proposed spec text**

***TGbe editor: Modify below paragraphes in 9.3.1.8.2 (Compressed BlockAck variant) as follows:***

If B0 of the Fragment Number subfield is 0 and B3 of the Fragment Number subfield is 0, the Block Ack Bitmap subfield of the BA Information field of the Compressed BlockAck frame indicates the receive status of up to 64 or 256 MSDUs and/or A-MSDUs depending upon the value of B2–B1 in the Fragment Number subfield as shown in Table 9-38 (Fragment Number subfield encoding for the Compressed BlockAck vari-ant). If B0 of the Fragment Number subfield is 0 and B3 of the Fragment Number subfield is 1, the Block Ack Bitmap subfield of the BA Information field of the Compressed BlockAck frame indicates the receive status of up to 512 or 1024 MSDUs and/or A-MSDUs depending upon the value of B2–B1 in the Fragment Number subfield as shown in Table 9-38 (Fragment Number subfield encoding for the Compressed Block-Ack variant). Each bit that is equal to 1 in the compressed Block Ack Bitmap subfield acknowledges the reception of a single MSDU or A-MSDU in the order of sequence number, with the first bit of the Block Ack Bitmap subfield corresponding to the MSDU, A-MSDU, or fragment thereof with the sequence number that matches the value of the Starting Sequence Number subfield of the Block Ack Starting Sequence Control subfield.

The Block Ack Bitmap subfield of the BA Information field of the Compressed BlockAck frame is used to indicate the received status of up to

* 64 MSDUs and/or A-MSDUs for a non-HE STA;
* 256 MSDUs and/or A-MSDUs for a HE STA (see 26.4.3(Negotiation of block ack bitmap lengths));
* 1024 MSDUs and/or A-MSDUs for an EHT STA (see 35.3.7.2.2 (Negotiation of block ack bitmap lengths)).

***TGbe editor: Modify below paragraphes in 9.3.1.8.7 (Multi-STA BlockAck variant) as follows:***

If B0 of the Fragment Number subfield of the Block Ack Starting Sequence Control subfield is 0 and B3 of the Fragment Number subfield of the Block Ack Starting Sequence Control subfield is 0, the BA Informa-tion field of the Multi-STA BlockAck frame contains an 8-octet, 16-octet, 32-octet or 4-octet Block Ack Bit-map subfield depending on B2–B1 of the Fragment Number subfield as defined in Table 9-40 (Fragment Number subfield encoding for the Multi-STA BlockAck variant) indicating the receive status of up to 64, 128, 256 or 32 MSDUs (or fragments thereof) and/or A-MSDUs (or fragments thereof), respectively. If B0 of the Fragment Number subfield of the Block Ack Starting Sequence Control subfield is 0 and B3 of the Fragment Number subfield of the Block Ack Starting Sequence Control subfield is 1, the BA Information field of the Multi-STA BlockAck frame contains an 64-octet, or 128-octet Block Ack Bitmap subfield depending on B2–B1 of the Fragment Number subfield as defined in Table 9-40 (Fragment Number subfield encoding for the Multi-STA BlockAck variant) indicating the receive status of up to 512 or 1024 MSDUs and/or A-MSDUs, respectively. Each bit that is equal to 1 in the Block Ack Bitmap subfield acknowledges the reception of a single MSDU (or fragment thereof) or A-MSDU (or fragment thereof) in the order of sequence number with the first bit of the Block Ack Bitmap subfield corresponding to the MSDU or A-MSDU with the sequence number that matches the value of the Starting Sequence Number subfield of the Block Ack Starting Sequence Control subfield.

The Block Ack Bitmap subfield of the BA Information field of the Multi-STA BlockAck frame is used to indicate the received status of up to

* 256 MSDUs and/or A-MSDUs for a HE STA (see 26.4.3(Negotiation of block ack bitmap lengths));
* 1024 MSDUs and/or A-MSDUs for an EHT STA (see 35.3.7.2.2 (Negotiation of block ack bitmap lengths)).

***End of change***