IEEE P802.11
Wireless LANs

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| LB 275 CR for CID 19353 |
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Abstract

##### This submission present proposed resolutions for the following 1 CID:

##### 19353

##### The proposed changes are editorial to align with the base line defined in REVme.

##### Revision history:

##### r0 – initial version

r1 – revised based on comments raised in the Joint meeting. Added changes to 9.3.3.1. Removed changes for A-MSDU sizes.

r2 – change header to IEEE 802.11-23/1682r2

***TGbe editor: Please note Baseline is 11be D4.0***

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| **CID** | **Commenter** | **Clause Number(C)** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 19353 | Brian Hart | 9.2.4.8.1 | 137.40 | 11me passed changes in 23/831 under CID4014 which affects the baseline (and required change text) at Table 9-34. | In Table 9-34, revisit the HE column and Note numbering for any required harmonization. Harmonize Maximum MPDU Length field in EHT MAC Capabilities with Maximum MPDU Length in VHT MAC Capabilitities in 11me (i.e., define all the exceptions in Table 9-34 and just provide a xref in the EHT MAC Capabilitie section. | Revised. Agree with the commenter in principle. Modified Table 9-34 based on change adopted in REVme. Modified the first paragraph of subclause 9.3.3.1 to define maximum size of MMPDU that carried in an EHT PPDU sent or not sent in the 2.4GHz band. Tgbe editor please implement changes as shown in doc 11-22/1682r0 tagged as #19353. |

**9.2.4.8.1 General**

***TGbe editor: Please incorporate the changes tagged #19353 in Table 9-34 under subclause 9.2.4.8.1 in P137 of 802.11be D4.0. Note the changes tagged #4014 were adopted in 802.11REVme D4.0 but not appeared in 802.11be D4.0***

**Table 9-34—Maximum data unit sizes (in octets) and durations (in microseconds)(#19353)**

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|  | **Non-HT non-VHT non-HE(11ax) non-S1G non-DMG PPDU and non-HT duplicate PPDU** | **HT PPDU** | **VHT PPDU** | **HE PPDU** | **EHT PPDU** |
| MMPDU size | 2304See NOTE 10 (#4014) | 2304See NOTE 10 (#4014) | See NOTE 1 | 2.4 GHz band: see NOTE 11Otherwise: see NOTE 1 (#4014) | 2.4 GHz band: see NOTE 11Otherwise: see NOTE 1 (#19353) |
| A-MSDU size | 3839 or 4065 (see NOTE 2) (HT STA, see also Table 9-222 (Subfields of the HT Capability Information field)), or N/A (non-HT STA, see also 10.11 (A-MSDU operation)) | 3839 (#1435)or 4065 (see NOTE 9) or 7935 (see also Table 9-222 (Subfields of the HT Capability Information field)) | See NOTE 3 | 2.4 G band of a non-EHT STA:3839 or 7935(see alsoTable 9-222 (Subfields of the HT Capability Information field))Otherwise: see NOTE 3  | See NOTE 3 |
| MPDU size | See NOTE 4  | See NOTE 5  | 3895 or 7991 or 11 454 (see also Table 9-311 (Subfields of the VHT Capabilities Information field) and NOTE 10)  | 2.4 GHz band: see NOTE 5.Otherwise: 3895 or 7991 or 11 454 (see also Table 9-311 (Subfields of the VHT Capabilities Information field)) See NOTE 7 | 3895 or 7991 or 11 454 (see also Table 9-311 (Subfields of the VHT Capabilities Information field), 9.4.2.263 (HE 6 G Band Capabilities element), and Table 9-404m (Subfields of the EHT MAC Capabilities Information field))See NOTE 10 |
| NOTE 1—No direct constraint on the maximum MMPDU size; indirectly constrained by the maximum MPDU size (see 9.3.3.1 (Format of (PV0) Management frames)).

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| NOTE 3—No direct constraint on the maximum A-MSDU size; indirectly constrained by the maximum MPDU size. |

 (#19135)NOTE 10—The maximum MMPDU or MPDU size can preclude the use of the corresponding PPDU format for certain sounding feedback configurations. See 10.33 (Transmit beamforming), 10.35 (Null data PPDU (NDP) sounding), 26.7 (HE sounding operation) and 35.7 (EHT sounding operation). (#4014)(#19135)NOTE 11—The maximum MMPDU size is:- if there is one recipient, then the size of the MPDU that contains an A-MSDU with size equal to the maximum size supported by the recipient less the shortest Management frame MAC header and FCS, or - if there is more than one recipient, then the size of the MPDU that contains an A-MSDU with size equal to the smallest among the maximum sizes supported by the recipients less the shortest Management frame MAC header and FCS. (#4014) |

***TGbe editor: Please insert the following paragraph under subclause 9.3.3.1 between L1 and L3, in P184 of 802.11be D4.0. The paragraph is copied from L3 to L20 in P697 of 802.11REVme D4.0 except the change tagged as #19353***

**9.3.3.1 Format of (PV0) Management frames**

The format of a Management frame is defined in Figure 9-118 (Management frame format). The Frame Control, Duration, Address 1, Address 2, Address 3, and Sequence Control fields are present in all management frame subtypes. The maximum size of an MMPDU that is not carried in a VHT or S1G PPDU, or an HE PPDU not sent in the 2.4 GHz band, or an EHT PPDU not sent in the 2.4 GHz band (#19353) is defined in Table 9-34 (Maximum data unit sizes and durations). The presence of the HT Control field is determined by the setting of the +HTC subfield of the Frame Control field (see 9.2.4.1.10 (+HTC subfield). The maximum size of an MMPDU that is carried in one or more VHT or S1G PPDUs, or an HE PPDU not sent in the 2.4 GHz band, or an EHT PPDU not set in the 2.4 GHz band (#19353) (in whole or in part) is:

— if there is one recipient, then the maximum MPDU size supported by the recipient less the shortest Management frame MAC header and FCS, or,

— if there is more than one recipient, then the smallest of the maximum MPDU sizes supported by the recipients less the shortest Management frame MAC header and FCS.