IEEE P802.11
Wireless LANs

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| TGad sponsor ballot text changes part 2 |
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Abstract

This document addresses comments provided by D5.0 sponsor ballot CID 6001 and 6014

*Editor: Append to “9.21.7.7 Originator’s behavior”*

In the DBand, the Originator shall build A-MPDU that contains MPDUs in increasing order of SN. When Responding to the Block Ack the Originator shall first retransmit the unacknowledged MPDUs in increasing order of SN.

*Editor: in 9.21.7.6.2 (Operation for each received data MPDU) change a2) as* follows:

2) Pass MSDUs or A-MSDUs up to the next MAC process that are stored in the buffer in order of

increasing value of the Sequence Number subfield starting with the MSDU or A-MSDU that

has *SN= WinStartB*orone of the following conditions is met in the DBand if *SN>WinStartB*:

* MPDU is received as non first frame in A-MPDU; the bit at position *SN=WinStartR* -1 is set to one, and all delimiters between the received MPDU and the preceding MPDU (*SN=WinStartR* -1) are valid.
* MPDU is received as first frame in A-MPDU; the A-MPDU is received in SIFS or RIFS time after A-MPDU, or SIFS time after transmission of BA frame; the bit at position SN*=WinStartR* -1 is set to one, and all delimiters after the MPDU(*SN=WinStartR* -1) in the preceding A-MPDU are valid.
* MPDU is received in SIFS or RIFS time after A-MPDU, or SIFS time after transmission of BA frame; the bit at position SN*=WinStartR* -1 is set to one, and all delimiters after the MPDU (SN*=WinStartR* -1) in the preceding A-MPDU are valid.
* MPDU is received as first frame in A-MPDU; the A-MPDU is received in SIFS or RIFS time after MPDU, or SIFS time after transmission of Ack frame; the bit at position SN*=WinStartR* -1 is set to one.
* MPDU is received in SIFS or RIFS time after preceding MPDU, or SIFS time after transmission of Ack frame; the bit at position SN*=WinStartR* -1 is set to one.

and after that proceeding sequentially until there is no buffered MSDU or A-MSDU for the next sequential value of the Sequence Number subfield.

*Editor: in 9.21.7.6.2 (Operation for each received data MPDU) change* b)5) as follows:

In the OBand pass MSDUs or A-MSDUs stored in the buffer up to the next MAC process in order of increasing value of the Sequence Number subfield starting with *WinStartB* and proceeding sequentially until there is no buffered MSDU or A-MSDU for the next sequential Sequence Number subfield value.

In the DBand follow rules defined in a2) of the current subclause.

*Editor: change Table 10-2a (Types of Block Ack agreement based on capabilities and ADDBA conditions for DBand STAs) and add Note after the table as follows:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Capabilities Condition** | **ADDBA condition** | **Type of BAR and BA variant** | **Type of Block Ack agreement** |
| Both STAs are DBand STAs and both DBand STAs set the BA with flow control field in the DBand Capabilities element to 1 | Block Ack Policy subfield set to 0 | Compressed  | HT-Immediate |
| Both STAs are DBand STAs and at least one of the DBand STAs set the BA with flow control field in the DBand Capabilities element to 0 | Block Ack Policy subfield set to 0 | Compressed  | HT-Immediate |
| Both STAs are DBand STAs and at least one of the DBand STAs set the BA with flow control field in the DBand Capabilities element to 0 | Block Ack Policy subfield set to 1 | Extended Compressed  | HT-Immediate |
| Both STAs are DBand STAs and both DBand STAs set the BA with flow control field in the DBand Capabilities element to 1 | Block Ack Policy subfield set to 1 | Extended Compressed | HT-Immediate + Flow Control |

NOTE – If the BAR and BA variant is Extended Compressed and the Type of Block ACK agreement is HT-Immediate use of the RBUFCAP field is implementation dependent.

*Editor: in the 9.21.2 (Setup and modification of the Block Ack parameters) change the text as follows:*

When the Block Ack Policy subfield value is set to 1 by the originator of an ADDBA Request frame between HT STAs, then the ADDBA Response frame accepting the ADDBA Request frame shall contain 1 in the Block Ack Policy subfield.

*Editor: at end of 9.25.4 (Rules for RD responder) add Note as follows:*

NOTE – The RD responder can assert the RDG/More PPDU subfield to 1 in response to a frame sent by the RD initiator that the RDG/More PPDU subfield is set to 0.

**References:**