IEEE P802.11  
Wireless LANs

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| LB200 Proposed Comment Resolution for 6.3.29 | | | | |
| Date: 2014-05-13 | | | | |
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Abstract

This submission proposes a resolution for following MAC comment of P802.11ah D1.0 WG Letter Ballot (LB200):

* 2553

R0: Initial

R1: Revised to use a short beacon interval for units of BlockAckTimeout based on the discussion in Feb. 19th 2014 teleconference (minutes; 11-14/0266r0).

R2: Revised to use Beacon Interval for units of BlockAckTimeout as a short beacon is optional to use.

R3: Change resolution to Reject based on the discussion in March 2014 meeting (minutes; 11-14/0466r1)

| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| --- | --- | --- | --- | --- | --- |
| 2553 |  | 6.3.29.2.2 | The subclause 10.5.4 of IEEE P802.11mc D1.1 specifies an inactivity timer and teardown procedure on timeout. In the subclause 6.3.29.2.2, BlockAckTimeout is defined as an integer of range 0-65535 to specify the number of TUs. So, the maximum Block Ack timeout duration is about 67 seconds.  It is not enough for Sensor type STAs. The maximum duration of BlockAckTimeout shall be extended. | 1) Insert the new subclause 6.3.29 (Block Ack), and modify the valid range of BlockAckTimeout in the subclauses 6.3.29.2.2, 6.3.29.3.2, 6.3.29.4.2, and 6.3.29.5.2 as follows:  ---  As defined in 8.4.1.15 (Block Ack Timeout Value field).  2) Insert the new subclause 8.4.1.15 (Block Ack Timeout Value field) and modify the last paragraph of 8.4.1.15 as follows:  ---  The Block Ack Timeout Value field contains the duration after which the Block Ack setup is terminated, if there are no frame exchanges (see 10.5.4 (Error recovery upon a peer failure)) within this duration using this Block Ack agreement. A value of 0 disables the timeout.  When dot11S1GOptionImplemented is true the first two MSBs of the Block Ack Timeout Value field indicates the Scaling Factor and the remaining 14 bits indicate as the actual value. The duration is calculated as the value multiplied by Scaling Factor. This Bit Encoding is illustrated in Figure 8-43a (Bit encoding). The definition of the scaling factors is shown in Table 8-36a. Otherwise, The Block Ack Timeout Value field contains the duration in TUs. | Reject.  As Block Ack is used mainly for high throughput devices, Time out of 67 sec is long enough. |