

Project: IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)

Submission Title: [Resolution for comment #7]

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Re: [In response to TG3c Call for Proposals (IEEE P802.15-07-0586-02-003c)]

Abstract: [Resolution for comment #7]

Purpose: [To be considered in TG3C baseline document.]

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Comment #7 (1/3)

- Comment #7
 - (1) Will Dly-ACK do what is necessary for Blk-ACK or
 - (2) are there unique things that Blk-ACK needs to do.
 - (3) Also, can this concept be extended to include the AV PHY directional ACK.

- Resolution
 - (1) No, Dly-ACK can not do what is necessary for Blk-ACK
 - (2) Yes, Blk-ACK has unique things (see the next slide)
 - (3) Need to discuss with AV-PHY

Categorization of Block ACK/NAK (2/3)

To efficiently support different applications such as stream transmission and low latency frame transmission, Block ACK/NAK usage can be categorized as following:

1. Categorization 1 : Block ACK/NAK for stream transmission

- For stream transmission, block ACK/NAK will include ACK/NAK and UEP information for aggregated subframes

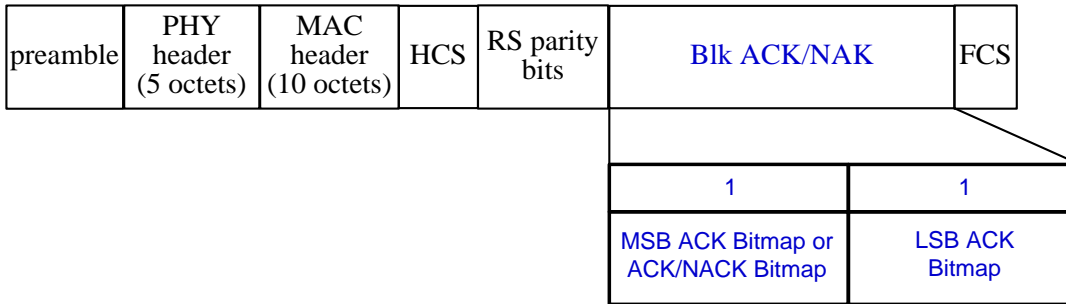
1. Categorization 2 : Block ACK/NAK for low latency frame transmission

- For low latency frame transmission, bi-directional frames will contain Block ACK/NAK bitmap for aggregated subframes

Blk ACK/NAK format (3/3)

1. Blk ACK/NAK format for streaming with UEP

- Blk ACK/NAK contains
 - 1 octet of ACK/NAK bitmap or MSB ACK bitmap (for UEP)
 - 1 octet of LSB ACK bitmap



2. Bi-directional frame format with Blk ACK/NAK for low latency frame transmission

- Bi-directional frame includes Blk ACK/NAK bitmap

