IEEE P802.11
Wireless LANs

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| 11ac comments |
| Date: 2011-04-28 |
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Abstract

This document provides resolution for the comments listed below

Notes on this document:

* Comments are from: 11-11-0276-00-00ac-tgac-d0-1-comments.xls.
* Comments refer to: Draft P802.11ac\_D0.1.pdf.
* Edits refer to: Draft P802.11ac\_D0.3.pdf.

Comments

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| 709 | Kneckt, Jarkko | 9.2.0b.7 | 46 | 14 | TR | EDCA has not had a possibility to save the TXOP holder. The mechanism is briefly mentioned for HCCA. Please clarify how the receiving STAs detect which STA should be set as the save TXOP holder. | Please clarify or delete the saved TXOP holder.  | Simone will provide a resolution on this and related comments | COEX |

Discussion

Agree in principle

Section 9.19.2.2 EDCA TXOPs in REVmb\_D7.0 clearly defines the TXOP holder setting with the following text:

A STA shall save the TXOP holder address for the BSS in which it is associated, which is the MAC address

from the Address 2 field of the frame that initiated a frame exchange sequence except when this is a CTS

frame, in which case the TXOP holder address is the Address 1 field. If an RTS frame is received with the RA

address matching the MAC address of the STA and the MAC address in the TA field in the RTS frame matches

the saved TXOP holder address, then the STA shall send the CTS frame after SIFS, without regard for, and

without resetting, its NAV. When a STA receives a frame addressed to it that requires an immediate response,

except in the case of an RTS, it shall transmit the response independent of its NAV. The saved TXOP holder

address shall be cleared when the NAV is reset or when the NAV counts down to 0.

Editing instructions

*At page 46 line 14, update the sentence:*

If the NAV at the STA receiving the RTS indicates the medium is not idle and the MAC address in the TA

field in the RTS frame does not match the saved TXOP holder address (see section 9.19.2.2), that STA shall

not respond to the RTS frame.

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| 661 | Kneckt, Jarkko | 11.20.2 | 62 | 45 | TR | Why only the EDCA is allowed? Why the HCCA may not be used? | Please justify. | Simone has proposed resolution | COEX |

Discussion

Agree in principle

Note that text is borrowed from 11n-2009 spec text; although the section generally refers to the initial transmission gaining the medium access, this specific sentence is more general and simply refers to the transmission of a 20Mhz PPDU; it is useful to add a reference to section 9.19.3 for completeness.

Proposed resolution

Modify sentence on P80L10

A STA may transmit a 20 MHz mask PPDU in the primary 20 MHz channel following the rules in 9.19.2

(HCF contention-based channel access (EDCA)), or 9.19.3 (HCCA).