IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Comment Resolution for Subclause 10.2.1** | | | | |
| **Date:** 2013-07-01 | | | | |
| **Author(s):** | | | | |
| **Name** | **Affiliation** | **Address** | **Phone** | **email** |
| Alfred Asterjadhi | Qualcomm  Inc. | 5775 Morehouse Dr  San Diego,  CA 92109 | +1-858-658-5302 | aasterja@qti.qualcomm.com |
| Simone Merlin | Qualcomm  Inc. |  |  | smerlin@qti.qualcomm.com |

Abstract

This document provides comment resolution for TGah Draft 0.1 Comment Collection 9 with these CIDs: 746, 747, and 748, and 924.

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGah Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGah Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGah Editor: Editing instructions preceded by “Instruction to Editor” are instructions to the TGah editor to modify existing material in the TGah draft. As a result of adopting the changes, the TGah editor will execute the instructions rather than copy them to the TGah Draft.***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **P.L** | **SC** | **Comment** | **Proposed Change** | **Resolution** |
| 746 | 171.51 | 10.2.1.6 | Need to consider Modified NDP ACK as the response frame to NDP PS-Poll | Modify the text to include the Modified NDP ACK as the response frame to NDP PS-Poll | Accepted –  TGah editor to make changes shown in 11-13-0822-02-00ah under the heading for CIDs 746, 747, 748. |
| 747 | 171.56 | 10.2.1.6 | Need to consider Modified NDP ACK as the response frame to NDP PS-Poll | Modify the text to include the Modified NDP ACK as the response frame to NDP PS-Poll | Accepted –  TGah editor to make changes shown in 11-13-0822-02-00ah under the heading for CIDs 746, 747, 748. |
| 748 | 171.60 | 10.2.1.6 | Need to consider Modified NDP ACK as the response frame to NDP PS-Poll | Modify the text to include the Modified NDP ACK as the response frame to NDP PS-Poll | Accepted –  TGah editor to make changes shown in 11-13-0822-02-00ah under the heading for CIDs 746, 747, 748. |

**Discussion:***None.*

* **AP operation during the CP**

**Instruction to Editor: *Please make the following changes in paragraph g) of this subclause:***

g) A single buffered BU for a STA in the PS mode shall be forwarded to the STA after a PS-Poll has been received from that STA. For a STA using U-APSD, the AP transmits one BU destined for the STA from any AC that is not delivery-enabled in response to PS-Poll from the STA. When all ACs associated with the STA are delivery-enabled, AP transmits one BU from the highest priority AC. The AP can respond with either an immediate data or (#100)Management frame or with an (#190)ACK frame, while delaying the responding data or (#100)Management frame.

An S1G AP that sends an (NDP) ACK frame in response to a PS-Poll or an NDP Modified ACK frame in response to a NDP PS-Poll frame received from an S1G STA shall set the More Data subfield of the (NDP) ACK frame to 0 when no BU is buffered for the S1G STA and to 1 otherwise.

A More Data subfield equal to 0 in an (NDP) ACK frame that is sent by an S1G AP in response to a PS-Poll or in an NDP Modified ACK frame in response to a NDP PS-Poll frame received from an S1G STA indicates to the S1G STA that no service period starts, which implies that the S1G STA may enter the doze state.

A More Data subfield equal to 1 in an (NDP) ACK frame that is sent by an S1G AP in response to a PS-Poll or in an NDP Modified ACK frame in response to a NDP PS-Poll frame received from an S1G STA indicates to the S1G STA that a service period starts, after which the S1G STA shall remain in the wake state until a frame is received from the S1G AP with the EOSP subfield equal to 1. If the response with the More Data subfield equal to 1 is an NDP ACK with a Duration Indication subfield equal to 1, the service period starts at a time T after the end of the NDP ACK frame, where T is the time value indicated in the Duration field of the NDP ACK; if the Duration Indication subfield is 0, the service period starts immediately after the end of the NDP ACK frame. If the response with the More Data subfield equal to 1 is an NDP Modified ACK with a Duration Indication subfield equal to 1, the service period starts at a time T after the end of the NDP Modified ACK frame, where T is the time value indicated in the Duration field of the NDP Modified ACK; if the Duration Indication subfield is 0, the service period starts immediately after the end of the NDP Modified ACK frame.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **P.L** | **SC** | **Comment** | **Proposed Change** | **Resolution** |
| 924 | 173.26 | 10.2.1.19 | The sentence is not clear. | Delete the sentence of line 26 - 27. | Revised –  TGah editor to make changes shown in 11-13-0822-02-00ah under the heading for CIDs 924. |

**Discussion:***Agree with the commenter that the sentence is not clear. Proposed resolution is to clarify that an AP that switches in Doze State for certain periods of time shall schedule a RAW during which any STA can access to perform basic communications with the AP, such as Association and Authentication procedures.*

* **AP Power management**

**Instruction to Editor: *Please make the following changes in the before last paragraph of this subclause:***

An AP including an AP Power Management element with the PM Mode subfield set to 1 in (Short) Beacon frame shall include an RPS element in the (Short) Beacon that includes a RAW during which all STAs are allowed to access (by setting the RAW Group field to all zeros). This RAW may be used for association of new STAs.