IEEE P802.11
Wireless LANs

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| TGah D1.0 Comment Resolutions for NDP Modified ACK |
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Abstract

This document provides resolutions for CID 2724, 2886 and 2887.

The changes are in the following subclauses: 8.3.5.1.4.

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# 0 Revision Notes

R0: First draft

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| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Resolution** |
| 2724 | 8.3.5.1.4 | 56 | 54 | The description needs modification | change to "If the Duration Indication field is set to 0 the Duration field is set to the bit the sequence TA[3] || RA[0:8] ("||" is concatenation) obtained from the TA and RA fields of the NDP PS-Poll frame that elicited the response." | Revised.Tgah editor to make changes shown in 11-13-1426r1  |
| 2886 | 8.3.5.1.4 | 56 | 55 | The unit of Duration field for the case that Duration Indication field is set to 0 is missing. It should be added in the sentence. | As mentioned in the Comment. | RejectDuration field in this case is used as the identifier to extend ACK ID field and hence there is no Unit of Duration field. |
| 2887 | 8.3.5.1.4 | 57 | 22 | The unit of Duration field for the case that Duration Indication field is set to 0 is missing. It should be added in the sentence. | As mentioned in the Comment. | Revised. Tgah editor to make changes shown in 11-13-1426r1 |

***Proposed changes:***

**8.3.5.1.4 NDP Modified ACK**

**Instruction to Editor: *Please make the following changes for Table 8-48 and Table 8-49 in subclause 8.3.5.1.4:***

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| **Table 8-48—NDP MAC frame body of NDP Modified ACK (1MHz)** |
| Field | Size (bits) | Description |
| NDP MACFrame Type | 3 | NDP MAC Frame Type field is set to 3 |
| ACK ID | 9 | The ACK ID field is 9 bits in length and is set to the bit sequence CRC[0:3] || TA[4:8] (“||” is concatenation) obtained from the CRC and TA field of the NDP PS-Poll frame that elicited the response. |
| More Data | 1 | The More Data field is described in 8.2.4.1.8. |
| Duration Indication | 1 | The Duration Indication field is 1 bit in length and is set to 0 if the value of the Duration field is an extension of the ACK ID. Otherwise, it is set to 1 if the value of the Duration field indicates an idle period.  |
| Duration | 10 | If the Duration Indication field is set to 0, the Duration field is set to the bit sequence TA[3] || RA[0:8] (“||” is concatenation) obtained from the RA and TA fields of the NDP PS-Poll frame that elicited the response. If the Duration Indication is set to 1, the Duration field is set to the duration of time, in milliseconds, during which an idle period (during which there is no frame transmission) is expected from the STA that elicited the response, starting from the end of the NDP Modified ACK response. |
| Reserved |  1 | The Reserved field is 1 bit in length and is set to 0. |

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| **Table 8-49—NDP MAC frame body of NDP Modified ACK (≥2MHz)** |
| Field | Size (bits) | Description |
| NDP MACFrame Type | 3 | NDP MAC Frame Type field is set to 3 |
| ACK ID | 16 | The ACK ID field is 16 bits in length and is set to the bit sequence CRC[0:3] || TA[0:8] || RA[6:8]] (“||” is concatenation) obtained from the CRC, TA, and RA field of the NDP PS-Poll frame that elicited the response. |
| More Data | 1 | The More Data field is described in 8.2.4.1.8. |
| Duration Indication | 1 | The Duration Indication field is 1 bit in length and is set to 0 if the value of the Duration field sets the NAV as described in 8.2.5 (Duration/ID field (QoS STA)). Otherwise, it is set to 1 if the value of the Duration field indicates an idle period. |
| Duration | 14 | If the Duration Indication field is set to 0, the Duration field is set as described in 8.2.5.7 (Setting for control response frames). The unit of the Duration field is 40 microseconds when the Duration Indication field is set to 0.If the Duration Indication is set to 1, the Duration field is set to the duration of time, in milliseconds, during which an idle period (during which there is no frame transmission) is expected from the STA that elicited the response, starting from the end of the NDP Modified ACK response. |
| Reserved | 2 | The Reserved field is 2 bits in length and is set to 0. |