IEEE P802.11
Wireless LANs

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| Proposed changes related to 11ad text |
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Abstract

This submission proposes fixes for bugs related to deletion of DMG allocations.

The goal of this submission is to correct these issues identified during interoperability testing.

**Introduction**

This submission proposes two corrections related to DMG allocation deletion.

The proposed modifications are in reference to Draft P802.11REVmc\_D2.0.

**Discussion (1st correction)**

“A DMG STA that receives an MLME-DELTS.request primitive for an allocation causes the MAC to send a

DELTS Action frame to the PCP/AP. If the Destination AID of the allocation is different from the broadcast

AID, the PCP/AP shall send a DELTS Action frame to the STA identified by the Destination AID of the

allocation.” (P1435L55, 10.4.9 TS deletion)

According to above extracted paragraph, a PCP/AP may be required to send a DELTS to peer STA to delete an allocation for which it is not the source. A STA receiving such a DELTS obtains the Allocation ID and destination AID of the allocation to be deleted but cannot uniquely identify the allocation to be deleted as it does not know the source AID of the allocation.

“Within a PBSS or infrastructure BSS, each allocation is uniquely identified by a combination of Allocation ID, source AID, and destination AID.” (P1424L34, 10.4.1 Introduction)

**Proposed text changes (1st correction)**

**8.4.2.133**

*Change Figure 8-479 as follows:*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Element ID | Length | DMG Allocation Info | BF Control | Allocation Period |

Octets: 1 1 ~~3~~4 2 2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Minimum Allocation | Maximum Allocation | Minimum Duration | Number of Constraints | TSCONST |

Octets: 2 2 2 1 Variable

*Change Figure 8-480 as follows:*

 B0 B3 B4 B6 B7 B8 B9

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Allocation ID | AllocationType | Allocation Format | Pseudo-static | Truncatable |

Bits: 4 3 1 1 1

 B10 B11 B12 B14 B15 B22 B23 B30 ~~B23~~B31

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Extendable | LP SC Used | UP | Destination AID | Source AID | Reserved |

Bits: 1 1 3 8 8 1

*Insert the following paragraph after the thirteenth paragraph:*

The Source AID field contains the AID of the STA that initiates channel access during the allocation.

**Discussion (2nd correction)**

“A DMG STA that receives an MLME-DELTS.request primitive for an allocation causes the MAC to send a

DELTS Action frame to the PCP/AP. If the Destination AID of the allocation is different from the broadcast

AID, the PCP/AP shall send a DELTS Action frame to the STA identified by the Destination AID of the

allocation.” (P1435L55, 10.4.9 TS deletion)

The above text handles the situation when the DMG STA deleting the DMG allocation is the source of the allocation. It does not make sense for the case when the DMG STA deleting the DMG allocation is destination of the allocation.

“A non-PCP/non-AP STA can delete only allocations for which either the

Source AID or Destination AID of the allocation is equal to the STA’s AID.” (P1435L41, 10.4.9 TS deletion)

**Proposed text changes (2nd correction)**

**10.4.9**

*Amend the third paragraph as shown:*

A DMG STA that receives an MLME-DELTS.request primitive for an allocation causes the MAC to send a
DELTS Action frame to the PCP/AP. If transmitted by the STA identified by the Source AID of the allocation and the Destination AID of the allocation is different from the broadcast AID, the PCP/AP shall send a DELTS Action frame to the STA identified by the Destination AID of the allocation. If transmitted by the STA identified by the Destination AID of the allocation and the Source AID of the allocation is different from the broadcast AID, the PCP/AP shall send a DELTS Action frame to the STA identified by the Source AID of the allocation. The PCP/AP shall also delete the scheduling information corresponding to the allocation and contained in the Extended Schedule element.