IEEE P802.11  
Wireless LANs

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| 11bi Comment resolution for CID 888, 942, 974 | | | | |
| Date: 2025-05-13 | | | | |
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Abstract

This submission resolves the following CIDs:

888, 942, 974

Revisions:

* Rev 0: Initial version of the document.

***Editing instructions formatted like this are intended to be copied into the TGbi D1.0 Draft. (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents). TGbi Editor: Editing instructions preceded by “TGbi Editor” are instructions to the TGbi editor to modify existing material in the TGbi draft. As a result of adopting the changes, the TGbi editor will execute the instructions rather than copy them to the TGbi Draft.***

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| **CID** | **Clause** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 888 | 10.71.7 | 92.54 | providing new AID without obfuscating the TIM elements will not be sufficient to guaranty privacy of stations in PS mode. | In the case of the CPE, add mechanisms or guidance for the AP to obfuscate the content of the TIM elements. | Revised – Agree in principle with the commenter.  TGbi Editor, please implement changes tagged #888 in 11-25-0955 |
| 942 | 10.71.7 | 92.54 | providing new AID without obfuscating the TIM elements will not be sufficient to guaranty privacy of stations in PS mode. | In the case of the CPE, add mechanisms or guidance for the AP to obfuscate the content of the TIM elements. | Revised – Agree in principle with the commenter.  Same as #888.  TGbi Editor, please implement changes tagged #888 in 11-25-0955 |
| 974 | 10.71.7 | 92.54 | providing new AID without obfuscating the TIM elements will not be sufficient to guaranty privacy of stations in PS mode. | In the case of the CPE, add mechanisms or guidance for the AP to obfuscate the content of the TIM elements. | Revised –  Agree in principle with the commenter.  Same as #888  TGbi Editor, please implement changes tagged #888 in 11-25-0955 |

***Proposal:***

**TGbi Editor: *Instruction: Please modify 9.4.2.5.1 as shown below***

* + - * 1. General

Please add the following note at the end of the ninth paragraph (copied here for reference) and re-number subsequent notes

When the TIM is carried in a non-S1G PPDU, the traffic indication virtual bitmap, maintained by the AP or the mesh STA that generates a TIM, consists of 2008 bits, and it is organized into 251 octets such that bit number N (0 ≤ N ≤ 2007) in the bitmap corresponds to bit number (N mod 8) in octet number ⎣N / 8⎦ where the low order bit of each octet is bit number 0, and the high order bit is bit number 7. When the TIM is carried in an S1G PPDU, the traffic-indication virtual bitmap has the hierarchical structure shown in Figure 9-215. Each bit in the traffic indication virtual bitmap corresponds to traffic buffered for a specific neighbor peer mesh STA within the MBSS that the mesh STA is prepared to deliver27 or for a STA within the BSS that the AP is prepared to deliver at the time the Beacon frame is transmitted. Bit number N indicates the status of buffered, individually addressed MSDUs/MMPDUs for the STA whose AID is N, or group addressed MSDUs/MMPDUs for the STAs whose group AID is N. It is set as follows:

— If the STA is not using APSD, and any individually addressed MSDUs/MMPDUs for that STA are buffered and the AP or the mesh STA is prepared to deliver them, then bit number N in the traffic indication virtual bitmap is 1.

— If the STA is using APSD, and any individually addressed MSDUs/MMPDUs for that STA are buffered in at least one nondelivery-enabled AC (if there exists at least one nondelivery-enabled AC), then bit number N in the traffic indication virtual bitmap is 1.

— If the STA is using APSD, all ACs are delivery-enabled, and any individually addressed MSDUs/MMPDUs for that STA are buffered in any AC, then bit number N in the traffic indication virtual bitmap is 1.

— Otherwise, bit number N in the traffic indication virtual bitmap is 0.

NOTE X— A CPE AP can set the bit number N corresponding to an unassigned AID to 1.(#888)

**TGbi Editor: *Instruction: Please modify 11.2.3.3 as shown below***

* + - 1. AP TIM transmissions

The TIM shall identify the STAs for which traffic is pending and buffered in the AP. This information is coded in a partial virtual bitmap, as described in 9.4.2.5. In addition, the TIM contains an indication whether non- SYNRA group addressed traffic is pending. Every STA is assigned an AID by the AP as part of the association process. AID 0 is reserved to indicate the presence of buffered non-GCR-SP group addressed BUs to be delivered using MPDUs with an RA other than a SYNRA but that are not delivered using group AID. The AP shall identify those STAs for which it is prepared to deliver buffered BUs by setting bits in the TIM’s partial virtual bitmap that correspond to the appropriate AIDs.

A CPE AP may set additional bits to 1, in the TIM’s partial virtual bitmap, corresponding to AIDs that are not assigned in the current EDP epoch.(#888)

*Rest of 11.2.3.3 remains the same*