IEEE P802.11  
Wireless LANs

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| **Comment Resolution for EDCA Parameter Set** | | | | |
| **Date:** 2013-07-01 | | | | |
| **Author(s):** | | | | |
| **Name** | **Affiliation** | **Address** | **Phone** | **email** |
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Abstract

This document provides comment resolution for TGah Draft 0.1 Comment Collection 9 with these CIDs: 14, 253, 484, 485, and 486.

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.***

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| **CID** | **P.L** | **SC** | **Comment** | **Proposed Change** | **Resolution** |
| 14 | 95. 25 | 8.4.2.170n | Modified ECDA Parameter Set element is redundant. | Remove it and merge with existing EDCA Parameter Set element. | Revised –  TGah editor to make changes shown in 11-13-0814-01-00ah under the heading for CIDs 14 and 486. |
| 486 | 95.22 | 8.4.2.170n | The Modified EDCA Parameter Set element is equivalent to the EDCA Parameter Set element with the Override field set to 1. Therefore, the Modified EDCA Parameter Set element is not needed. | Delete subclause 8.4.2.170n Modified EDCA Parameter Set element. Use the EDCA Parameter Set element with the Override field set to 1 instead of the Modified EDCA Parameter Set element. | Revised –  See resolution for CID 14. |

Discussion: *None.*

**Instruction to Editor: *Please remove subclause 8.4.2.170n:***

* **Information elements**

**Instruction to Editor: *Please remove Modified EDCA Parameter Set element from Table 8-55:***

* **General**

|  |  |  |  |
| --- | --- | --- | --- |
| * **Element IDs** | | | |
| Element | Element ID | Length of indicated element (in octets) | Extensible |
| … |  |  |  |
| Subchannel Selective Transmission | <ANA> | 0-252 |  |
|  |  |  |  |
| Authentication Control | <ANA> | 2 | Yes |
| … |  |  |  |

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| **CID** | **P.L** | **SC** | **Comment** | **Proposed Change** | **Resolution** |
| 485 | 113.20 | 8.5.23a.6 | The EDCA Parameter Set element with the Override field set to 1 has the same effect as the Mofied EDCA Parameter Set element and therefore the EDCA Parameter Set element can be used in the EDCA Parameter Set frame. | Change the "Modified EDCA Parameter Set" in the Table 8-295ar to "EDCA Parameter Set". | Revised –  TGah editor to make changes shown in 11-13-0814r1 under the heading for CIDs 485. |

**Discussion:***None.*

* **EDCA Parameters Set frame format**

**Instruction to Editor: *Please modify table 8-295ar as follows:***

The EDCA Parameters Set frame is used to update the EDCA Parameter Set at the recipient STA, as defined in 9.2.4.2 (HCF contention-based channel access (EDCA)).

|  |  |
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| * **EDCA Parameters Set Action field format** | |
| Order | Information |
| 1 | Category |
| 2 | S1G Action |
| 3 | EDCA Parameter Set (8.4.2.28) |

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| **CID** | **P.L** | **SC** | **Comment** | **Proposed Change** | **Resolution** |
| 253 | 121.24 | 9.2.4.2 | Modified EDCA Parameters Set element has no Override field. | change to "An S1G STA that receives an a Modified EDCA Parameters Set element with the Override field set to 1 shall update its MIB values of the EDCA parameters..."" | Revised-  TGah editor to make changes shown in 11-13-0814-01-00ah under the heading for CIDs 253 and 484. |
| 484 | 121.14 | 9.2.4.2 | The subclause does not define how the EDCA Parameters Set frame (8.5.23a.6) is used to update dot11EDCATable and the Modified EDCA Parameters Set element in redundent. | "Replace the following paragraphs ""A S1G QoS AP may assign to a S1G STA EDCA parameters different from the ones in dot11EDCATable, by sending to the STA a Modified EDCA Parameters Set element. A S1G STA receiving a Modified EDCA Parameters Set element shall update its MIB values of the EDCA parameters based on the values indicated by the Modified EDCA Parameters Set element.  A S1G STA that receives a Modified EDCA Parameters Set element shall disregard any EDCA Parameters Set element with the Override field set to 0 received afterward during the current association.  A S1G STA that receives a Modified EDCA Parameters Set element with the Override field set to 1 shall update its MIB values of the EDCA parameters as described for non-S1G STAs in this section.""  with the following paragraphs  ""An S1G QoS AP may assign to an S1G STA EDCA parameters different from the ones in dot11EDCATable, by sending to the STA a EDCA Parameters Set element with the Override field set to 1 in a EDCA Parameter Set frame. An S1G STA receiving an EDCA Parameters Set element with the Override field set to 1 shall update its MIB values of the EDCA parameters based on the values indicated by the EDCA Parameters Set element.  An S1G STA that has received an EDCA Parameters Set frame with an EDCA Parameter Set element with the Override field set to 1 shall disregard any EDCA Parameters Set element with the Override field set to 0 received afterward during the current association. Otherwise, the STA shall update its MIB values of the EDCA parameters as described for non-S1G STAs in this section.""." | Revised –  TGah editor to make changes shown in 11-13-0814-01-00ah under the heading for CIDs 253 and 484. |

**Discussion:***CIDs 253 and 484 – Agree in principle with the issues raised by commenters. Proposed comment resolution is to to remove Modified EDCA Parameter Set element and update spec text inline with commenter of CID 484 description.*

* **HCF contention-based channel access (EDCA)**

**Instruction to Editor: *Please modify the following subclause as follows:***

An S1G QoS AP may assign to an S1G STA EDCA parameters different from the ones in dot11EDCATable, by sending to the STA an EDCA Parameter Set frame with an EDCA Parameters Set element with the Override field set to 1. An S1G STA receiving an EDCA Parameters Set element with the Override field set to 1 shall update its MIB values of the EDCA parameters based on the values indicated by the EDCA Parameters Set element. An S1G STA that receives an EDCA Parameters Set frame with an EDCA Parameter Set element with the Override field set to 1 shall disregard any EDCA Parameters Set elements with the Override field set to 0 received afterward during the current association. Otherwise, the STA shall update its MIB values of the EDCA parameters as described for non-S1G STAs in this section.