IEEE P802.11
Wireless LANs

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| 802.11bc CC31 – Resolution for CID 355 |
| Date: September 3, 2020 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Antonio de la Oliva | Interdigital Ltd |  |  | Antonio.delaoliva@interdigital.com |
| Abhishek Patil | Qualcomm |  |  |  |
| Bahareh Sadeghi | Intel |  |  |  |

 Abstract

This submission proposes resolutions for the following CIDs submitted during CC31 for 11bc D0.1 (1 CIDs): 355

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Added revision provided by Abhishek Patil and modified text from 1298r1.

Rational for the resolution of the CIDs: An attacker willing to perform a DoS attack just needs to listen to the capability field in order to know if an AP supports throttling. I suggest always advertising you do some kind of throttling.

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

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| **CID** | **Commenter** | **Type** | **Pg/Ln** | **Section** | **Comment** | **Proposed Change** | **Resolution** |
| 355 | Antonio de la Oliva | T | 30 | 9.6.7bc | We need to discuss how do you limit attacks while using the UL frame. I understand the STA Certificate is used to verify that the frame has not been modified, but how do you proof this STA is allowed to transmit in this way and also how do you limit roge transmissions.  | Remove the option of No throttling and replace it with an option for always throttling. The text is based on 1298r1. | Revised |

***Tbc editor: modifify Table 9-bc5 (as modified by 1298r1) as follows:***

2 The encoding of Limiting Mode subfield is shown in Table 9-bc5 (Encoding of Limiting Mode subfield).

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## 4 Table 9-bc5 - Encoding of Limiting Mode subfield

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| Subfield value | Definition | Encoding |
| ~~0~~ | ~~No Throttling~~ | ~~AP applies no restrictions on the amount or frequency of uplink data from a non-AP STA that it forwards to a remote destination.[153]~~ |
| 0 | Throttling scheme for all destinations | AP applies no restrictions or allows a fixed ~~on the~~amount~~/~~ or frequency of ULs from a non-AP STA destined to any remote destination. |
| ~~1~~ | ~~Per Destination~~ | ~~AP applies forwarding limits as specified by the remote~~~~destination with whom it has established a relationship.~~ |
| 1 | Throttling scheme per destination | AP applies forwarding limits as specified by the remotedestination with whom it has established a relationship. |
| 2 – 3 | Reserved |   |