IEEE P802.11
Wireless LANs

|  |
| --- |
| CID 6124 Resolution: Remove 2x LTF+08.us GI for UL MU Transmission |
| Date: 2016-11-08 |
| Author(s): |
| Name | Affiliation | Address | Phone | Email |
| Jianhan Liu | Mediatek |  |  | Jianhan.liu@mediatek.com |

Abstract: This document contains comment resolution on CID 6124 for 11ax D1.0.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Resolution** |
| 6124 | 9.3.1.23 | 43 | 43 | In "Table 9-25c--GI And LTF Type subfield encoding" includes option of 2x LTF+0.8us GI. Since the trigger-based PPDU has timing synchronizaion requirement of +/- 0.4 us, 0.8us GI is too short. | Remove the option 2x LTF + 0.8us GI | Accpeted.Change the description of value 1 in table 9-25c as “Reserved”  |

**Discussions:**

Given that the trigger-based PPDU has timing synchronizaion requirement of +/- 0.4 us, the arrival timing of OFDMA symbols from different users can be misaligned by 0.8 us. Including the channel delay spread and progagation delays of different users, 0.8us GI is too short to be useful. To simply the deaign and avoid the useless mode, 0.8us GI should be removed for Uplink MU transmissions.

***TGax Editor: Please make the following text change in the “* Table 9-25c—GI And LTF Type subfield encoding” *of D1.0***:

|  |  |
| --- | --- |
| **GI And LTF field value** | **Description** |
| 0 | 1x LTF + 1.6 μs GI |
| 1 | ~~2x LTF + 0.8 μs GI~~ 2x LTF + 1.6 μs GI |
| 2 | ~~2x LTF + 1.6 μs GI~~ 4x LTF + 3.2 μs GI |
| 3 | ~~4x LTF + 3.2 μs GI~~ Reserved |