### **IEEE P802.11 Wireless LANs**

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| Comment Resolutions for Off WG Comments | | | | |
| Date: 2019-05-06 | | | | |
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**Abstract**

The document provides comment resolutions for CIDs 2628, 2629, 2678, 2679.

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| **CID** | **Clause** | **Page/Line** | **Comment** | **Proposed Change** | **Resolution** |
| 2628 | 31.2.5.7 | 95.44 | The sentence "The samples in Off-WG have zero energy" is not necessary. In some implementation (e.g., the one shown in 17/1419r0), having non-zero samples in Off period can improve some performance (e.g., low out of band leakage) without creating any data detection degradation. In addition, the next step: windowing (or filtering), will introduce non-zero emery samples in the Off period anyway, which makes this sentence meaningless. | Delete sentence "The samples in Off-WG have zero energy." | **Rejected**  If the sentence is deleted then there is no specification at all for the Off WG, and any waveform could be generated. This is unacceptable in the standard. |
| 2629 | 31.2.5.8 | 96.5 | The sentence "The samples in Off-WG have zero energy" is not necessary. In some implementation (e.g., the one shown in 17/1419r0), having non-zero samples in Off period can improve some performance (e.g., low out of band leakage) without creating any data detection degradation. In addition, the step f): windowing, will introduce non-zero energy samples in the Off period anyway, which makes this sentence meaningless. | Delete sentence "The samples in Off-WG have zero energy." | **Rejected**  If the sentence is deleted then there is no specification at all for the Off WG, and any waveform could be generated. This is unacceptable in the standard. |
| 2678 | 31.2.5.6 | 95.29 | Description of Off symbol for WUR-Sync field is missing. Add description for Off symbol, similar to the one in 31.2.5.7 | "Replace item c) in 31.2.5.6 with the following:  "Waveform generation: Generate the MC-OOK waveform by using either On-WG or Off-WG according to the Sync-bit. The samples in Off-WG have zero energy. Sync-bit duration T\_Sync is 2 µs. Symbol randomization and per-transmit-chain CSD is applied within the waveform generation step." | **Accepted** |
| 2679 | 31.2.5.8 | 95.63 | Description of Off symbol for WUR-Sync field is missing. Add description for Off symbol, similar to the one in 31.2.5.7 | Replace item c) in 31.2.5.8 with the following:  "Waveform generation for the WUR-Sync field: Generate the MC-OOK waveform for the WUR-Sync field by using either On-WG or Off-WG according to the Sync-bit for each 20 MHz subchannel. The samples in Off-WG have zero energy. Each Sync-bit duration, TSync is 2 µs." | **Accepted** |