### IEEE P802.11Wireless LANs

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| PHY Comment resolution for CID 7104 |
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Abstract

This submission proposes resolutions for comments of TGba Draft D6.0 with the following CIDs: 7104.

Note: All the cross-reference is with respect to TGba Draft D6.0

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| **CID** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 7104 | 141.37 | 30.3.4.1 | It is inaccurate to say "subcarriers are selected from a constellation", but to say "the input of subcarriers are selected from symbols on constellation".The same comment applies to Page 142, L31. | Change "The nonzero subcarriers are selected from any of the following constellations: BPSK, QPSK, 16-QAM, 64-QAM, and 256-QAM" to "The input of those nonzero subcarriers are selected from symbols on any of the following constellations: BPSK, QPSK, 16-QAM, 64-QAM, and 256-QAM" | Revised. Agree in principle with the commenter. Modified the corresponding sentence as follows: “The coefficients of the nonzero subcarriers are selected from the symbols of any of the following constellations: BPSK, QPSK, 16-QAM, 64-QAM, and 256-QAM”TGba Editor to make changes as shown in 802.11-20/xxxxr0 with CID #7104. |

***TGba editor: Change the following paragraphs in 30.3.4.1 WUR Basic PPDU waveform generation for WUR-Sync field and WUR-Data field with WUR HDR (Track change on) (#7104)***

…………………………………….(several lines of text)…………………………………………..

For a single 20 MHz WUR channel, the 2 µs duration MC-OOK On Symbol should be constructed by the On-WG using center 13 subcarriers of a 64-point IDFT, sampling at 20 MHz as follows:

* The six subcarriers with subcarrier indices *k* = (-6, -4, -2, 2, 4, 6) are used with nonzero input. Other subcarriers are null.
* The coefficients of the nonzero subcarriers are selected from the symbols of any of the following constellations: BPSK, QPSK, 16-QAM, 64-QAM, and 256-QAM.
* The first 32 values of the 64-point IDFT output are selected.
* Those 32 values are processed by the Symbol Randomizer as described in 30.3.4.4 (Symbol Randomizer and Per-transmit chain Cyclic Shift).
* The last 8 samples of those 32 samples are prepended to the 32 samples generating 40 samples, representing the 2 µs duration MC-OOK On Symbol. This step corresponds to the GI Insertion in Figure 30-6 (An example of an On-WG for the WUR-Sync and WUR-Data fields with WUR HDR).

…………………………………….(several lines of text)…………………………………………..

***TGba editor: Change the following paragraphs in 30.3.4.2 WUR Basic PPDU waveform generation for WUR-Data field with WUR LDR (Track change on) (#7104)***

…………………………………….(several lines of text)…………………………………………..

For a single 20 MHz WUR channel the 4 µs duration MC-OOK On Symbol should be constructed by the On-WG using center 13 subcarriers of a 64-point IDFT, sampling at 20 MHz as follows:

* The 12 subcarriers with subcarrier indices *k* = (-6, -5, … -1, 1, 2, … 6) are used with nonzero input. Other subcarriers are null.
* The coefficients of the nonzero subcarriers are selected from the symbols of any of the following constellations: BPSK, QPSK, 16-QAM, 64-QAM, and 256-QAM.
* The 64 values from the 64-point IDFT are processed by the Symbol Randomizer as described in 30.3.4.4 (Symbol Randomizer and Per-transmit chain Cyclic Shift).
* The last 16 values of the 64-point IDFT output are prepended to the 64 samples generating 80 samples, representing the 4 µs duration MC-OOK On Symbol. This step corresponds to the GI Insertion in Figure 30-7 (An example of an On-WG for the WUR-Data fields with WUR LDR).

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