IEEE P802.11
Wireless LANs

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| 20.11 Golay Sequences |
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Abstract

This document proposes editorial corrections of the text in subclause 20.11 (Golay sequences), [1], [2].

*Editor: introduce changes in subclause 20.11 Golay sequences as below*

**20.11 Golay sequences**

The following Golay sequences are used in the preamble, in the single carrier guard interval and in beam refinement TRN-R/T and AGC fields: Ga128(n), Gb128(n), Ga64(n), Gb64(n), Ga32(n), Gb32(n). These are 3 pairs of complementary sequences. The subscript denotes the length of the sequences. These sequences are generated using the following recursive procedure:

A0(n) = δ(n)

B0(n) = δ(n)

Ak(n) = WkAk-1(n) + Bk-1(n-Dk)

Bk(n) = WkAk-1(n) - Bk-1(n-Dk)

Note that Ak(n), Bk(n) are zero for n < 0 and for n ≥ 2k.

Ga128(n)=A7(127-n), Gb128(n)=B7(127-n) when the procedure uses Dk = [1 8 2 4 16 32 64] (k=1,2,…,7) and Wk = [–1 –1 –1 –1 +1 –1 –1].

Ga64(n)=A6(63-n), Gb64(n)=B6(63-n) when the procedure uses Dk= [2 1 4 8 16 32] and Wk =[1 1 -1 -1 1 -1].

Ga32(n)=A5(31-n), Gb32(n)=B5(31-n) when the procedure uses Dk=[1 4 8 2 16] and Wk =[-1 1 -1 1 -1].

**SP:**

Do you agree to include the proposed text changes for “20.11 Golay sequences” proposed in (11-17-1811-00-000m 20 11 Golay Sequences) into the Draft P802.11REVmd\_D0.4?

**References:**

1. IEEE 802.11-2016
2. Draft P802.11REVmd\_D0.4