**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | **Some CID resolutions for D2** | |
| Date Submitted |  | |
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| Re: |  | |
| Abstract |  | |
| Purpose | Aid comment resolution | |
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see proposed resolutions below.

1) Remove bitloading

2) CID 668:How to handle the case of packets not requiring retransmission

Add text above and below the section P33L7 to P33L12 (page numbers of the standard, not the pdf) as follows:

If the ACK bit in the frame control field is set, then following ACK and retransmission procedure is applied

P33L7 to P33L12, replace 4 times by a preset number of times, doesn't have to be 4

If the ACK bit is not set, the packet is transmitted only one time and the absence of an ACK is ignored.

3) CID 697 in my table: Edit the text P112L18 to P112L23

original:

The information and pilot symbols with coefficients 1 to 26 are mapped to IFFT inputs 3 to 28, while the Hermitian

symmetry symbols are mapped onto IFFT inputs 35 to 61. The high-frequency subcarriers, at inputs 29 to 34, form a guard

interval and are set to zero. The low-frequency subcarriers, at inputs 0-2 and 62-63, are set to zero in order to

avoid possible low-frequency distortion in the system due to baseline wandering and background light interference.

new:

Subcarriers with negative indices -28 to -3 are loaded with 24 data symbols and two pilots. The pilots are located at index -21 and -7.

Subcarriers with positive indices 3 to 28 are loaded with the conjugate complex of the data and pilot symbols at the negative indices.

The pilot symbols have all value 1. Subcarriers with indices -2, -1, -1, 2 are set to zero in order to

avoid possible low-frequency distortion in the system due to baseline wandering and background light interference.

Subcarriers -31, -30, -29, 29, 30, 31 are set to zero because those are near the bandedge of the lowpass filters

in the system and may get attenuated excessively. Subarriers with index 0 (DC) and 32 are also set to zero.