**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | OOK PHY Text Changes related to CID i-17 and i-23 | |
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| Re: | Sponsor\_Ballot\_Consolidated\_Comments | |
| Abstract | This document proposes OOK PHY Text changes related to CID i-17 (channel expansion) and i-23 (beacon generation) for TG3e Sponsor Ballot. | |
| Purpose | To be used by the technical editor to apply the necessary changes to the draft. | |
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**(1) Required OOK PHY text change related to CID i-17:**

CHNL\_IDs have been changed by Doc.626r1 (resolution to CID i-17). Therefore, CHNL\_IDs referenced by OOK PHY part should be updated.

**Proposed Text Change (based on 802.15.3e D04)**

***Change the following two paragraphs in clause 11.3.1.1 of 802.15.3e D04 as follows:***

**11a.3.1.1 Channelization for HRCP-OOK PHY**

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HRCP-OOK PHY uses the channels defined as CHNL\_ID 2, 8, 12, and 15 in Table 11a-1. A compliant IEEEStd 802.15.3e implementation that implements the HRCP-OOK PHY shall support at least channel 2 (CHNL\_ID 2), which is the default channel for IEEE Std 802.15.3e. When channel bonding is used, contiguous two or three or four channels are used. The PHYPIB\_CurrentChannel is the CHNL\_ID of the current channel.

When the channel bonding is not used, only channel 2 (CHNL\_ID 2) shall be used. When two channels are bonded together, channel 2 and 3 (CHNL\_ID 8) shall be used. When three channels are bonded together, channel 1, 2 and channel 3 (CHNL\_ID 12) shall be used. When four channels are bonded together, channel 1, 2, 3 and 4 (CHNL\_ID 15) shall be used.

**(2) Required OOK PHY text change related to CID i-23:**

Text on synchronization has been accepted by Doc.628r0 (resolution to CID i-23). In the proposed text by Doc.628r0, *pClockAccuracy* is used, but this parameter is not defined in OOK PHY Clause. *pClockAccuracy* and related text should be added to OOK PHY clause.

**Proposed Text Change (based on 802.15.3e D04)**

***Add new subclauses 11a.3.4.2 and 11a.3.4.3 as follows:***

**11a.3.4.2 Transmit center frequency tolerance**

The transmitted center frequency tolerance shall be ±30 × 10-6 maximum.

**11a.3.4.3 Symbol rate**

The OOK PHY shall be capable of transmitting at the chip rate, as defined in Table 11a-25, to within ±30 × 10-6.

The MAC parameter, *pClockAccuracy*, shall be ±30 × 10-6.