Project	IEEE 802.16 Broadband Wireless Access Working Group < <u>http://ieee802.org/16</u> >	
Title	Transmission Counter	
Date Submitted	2007-11-01	
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Re:	Letter Ballot 29 Task Group Review of P802.16h/D3	
Abstract	Transmission counter allowing SS to know whether a DL frame was intentionally not transmitted by the BTS.	
Purpose	Comment 30 in the working group review of P802.16h/D2c was accepted in principle, but the group requested a different implementation.	
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Transmission Counter

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1. Overview

Comment 30 in [2] was accepted in principle at session 51, but it was requested that the mechanism be changed so as to not alter the frame number. This document provides the new implementation.

The Frame maker file is available for the editor.

2. Specific Editing Changes

This document provides changes to IEEE P802.16h/D3 [1].

<u>Blue underlined</u> text represents specific editing changes.

Red strikethrough text is to be deleted.

Black text is already in the draft.

Bold italics text is editing instructions to the editor.

Assuming the removal of EQP suggested in [3] is accepted, on page 46, line 6, replace "EQP_IE" with "TxCNT_IE".

Assuming the removal of EQP suggested in [3] is accepted, on page 46, line 46 through page 47, line 17, replace section 8.4.5.3.29 with the following new section:

2.0.0.0.1 Transmission Count (TxCNT) IE format

802.16h systems that operate in a mode where the BS may intentionally refrain from transmitting in a given DL subframe shall include the TxCNT IE in the DL-MAP to allow an SS to determine that a previous missing DL subframe was intentionally not transmitted by comparing teh incrementing of the Tx Count to the incrementing of the frame number.

Syntax	Size	Notes
TxCNT_IE() {		
Extended DIUC	4 bits	TxCNT_IE = 0x0A
Length	4 bits	Length = 0x01
Tx Count	8 bits	Count, modulo 256, of DL subframes trans- mitted.
}		

Table 286ab—EQP IE

3. References

[1] IEEE P802.16h/D3: Air Interface for Fixed Broadband Wireless Access Systems Improved Coexistence Mechanisms for Licensed Exempt Operation, Working Group Draft, 1 Oct 2007.

[2] IEEE 80216h-07_20r3, "Comments in Task Group Review of Working Group Draft P802.16h/D2c", 4 Oct 2007

[3] IEEE C80216h-07_097, "EQP Removal", Ken Stanwood, 4 Nov. 2007.