

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Comments on Downlink Physical Structure	
Date Submitted	2009-07-06	
Source(s)	Yih-Guang Jan, Yang-Han Lee, Hsien-Wei Tseng, Ming-Hsueh Chuang, Jheng-Yao Lin Tamkang University (TKU)	yihjan@yahoo.com
	Youn-Tai Lee, Chun-Yen Hsu Institute for Information Industry (III)	lyt@nmi.iii.org.tw
	Shiann-Tsong Sheu National Central University (NCU)	stsheu@ce.ncu.edu.tw
	Whai-En Chen National Ilan University (NIU)	wechen@niu.edu.tw
Re:	802.16m amendment working document "Comments on AWD 15.3.5 Downlink Physical Structure"	
Abstract	Comments on AWD Downlink Physical Structure	
Purpose	To be discussed and adopted by TGM for the 802.16m AWD.	
Notice	<i>This document does not represent the agreed views of the IEEE 802.16 Working Group or any of its subgroups. It represents only the views of the participants listed in the "Source(s)" field above. It is offered as a basis for discussion. It is not binding on the contributor(s), who reserve(s) the right to add, amend or withdraw material contained herein.</i>	
Release	The contributor grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE's name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE's sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that this contribution may be made public by IEEE 802.16.	
Patent Policy	The contributor is familiar with the IEEE-SA Patent Policy and Procedures: < http://standards.ieee.org/guides/bylaws/sect6-7.html#6 > and < http://standards.ieee.org/guides/opman/sect6.html#6.3 >. Further information is located at < http://standards.ieee.org/board/pat/pat-material.html > and < http://standards.ieee.org/board/pat >.	

Comments on AWD Downlink Physical Structure

Yih-Guang Jan, Yang-Han Lee, Hsien-Wei Tseng, Ming-Hsueh Chuang, Jheng-Yao Lin
Tamkang University (TKU)
Youn-Tai Lee, Chun-Yen Hsu
Institute for Information Industry (III)
Shiann-Tsong Sheu
National Central University (NCU)
Whai-En Chen
National Ilan University (NIU)

1. Introduction

This contribution provides the corrected AWD text proposal to Frequency Partitioning. In Table 651, it has an error and needs correction.

2. Proposed AWD Text Modification

[In IEEE 80216m-08_0010r2, Section 15.3.5.2.3, replace the frequency partition for DFC = 6 by its corrected value]

=====Start of Proposed Text=====

15.3.5.2.3 Frequency partitioning

DFPC	Freq. Partitioning (FP ₀ :FP ₁ :FP ₂ :FP ₃)	FPCT	FPS ₀	FPS _i (i>0)
0	1:0:0:0	1	N _{PRU}	0
1	0:1:1:1	3	0	N _{PRU} * 1/3
2	1:1:1:1	4	N _{PRU} * 1/4	N _{PRU} * 1/4
3	3:1:1:1	4	N _{PRU} * 1/2	N _{PRU} * 1/6
4	5:1:1:1	4	N _{PRU} * 5/8	N _{PRU} * 1/8
5	9:1:1:1	4	N _{PRU} * 9/12	N _{PRU} * 1/12
6	9:5:5:5	4	N _{PRU} * 3/8	N _{PRU} * 5/12 → 5/24
7-15	<i>Reserved</i>			

Table 651—Mapping between DFPC and frequency partitioning for 10MHz or 20MHz

=====End of Proposed Text=====