Project	IEEE 802.16 Broadband Wireless Access Working Group http://ieee802.org/16 >
Title	Comments on AWD 15.3.3 Frame structure
Date Submitted	2009-04-24
Source(s)	Yih-Guang Jan, Yang-Han Lee, yihjan@yahoo.com Hsien-Wei Tseng, Ming-Hsueh Chuang Tamkang University (TKU)
	Youn-Tai Lee, Chun-Yen Hsu lyt@nmi.iii.org.tw Institute for Information Industry (III)
	stsheu@ce.ncu.edu.tw Shiann-Tsong Sheu
	National Central University (NCU) wechen@niu.edu.tw
	Whai-En Chen National Ilan University (NIU)
Re:	Category: AWD comments / Area: Chapter 15.3.3 (Frame structure)
	"Comments on AWD 15.3.3 Frame structure"
Abstract	Comments on AWD 15.3.3 Frame structure
Purpose	To be discussed and adopted by TGm for the 802.16m AWD.
Notice	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.
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	The contributor is familiar with the IEEE-SA Patent Policy and Procedures:
Policy	http://standards.ieee.org/guides/opman/sect6.html#6 .
	Further information is located at http://standards.ieee.org/board/pat/pat-material.html and http://standards.ieee.org/board/pat/ .

Comments on AWD 15.3.3 Frame structure

Yih-Guang Jan, Yang-Han Lee, Hsien-Wei Tseng, Ming-Hsueh Chuang

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)

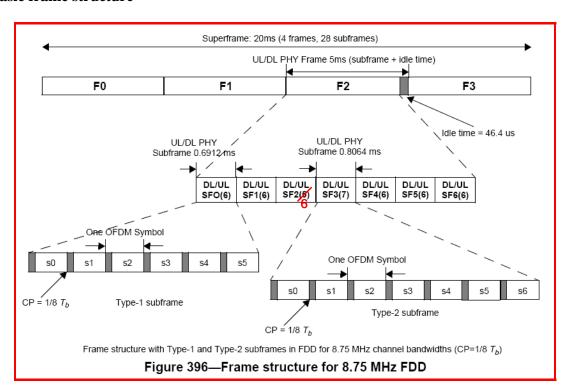
1. Introduction

This contribution provides the corrected AWD text proposal to Frame Structure. In Figure 396, Figure 399, Figure 400, Figure 401, Figure 402 have some errors and correct the figures.

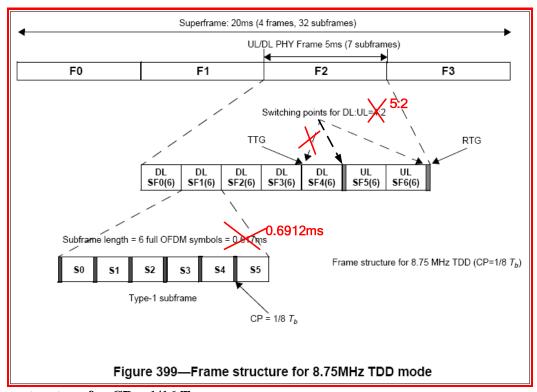
2. Proposed AWD Text Modification

[In IEEE 802.16m-09/0010r1a, Section 15.3.3, Replaced by the following corrected text]

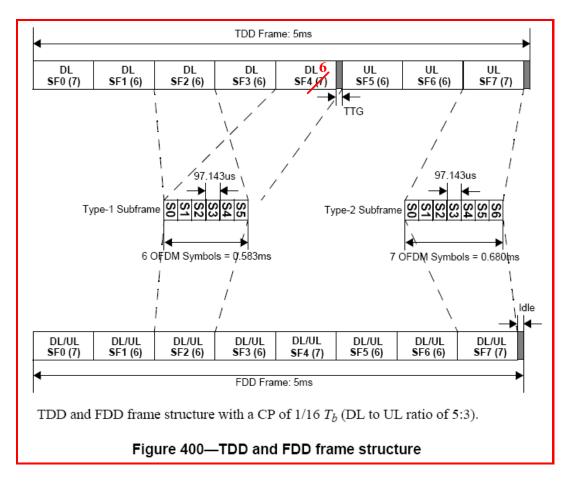
15.3.3 Frame structure 15.3.3.1 Basic frame structure

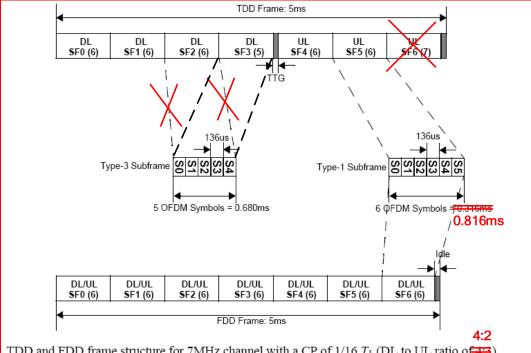


15.3.3.2.1.1 H-FDD frame structure 15.3.3.2.2 TDD frame structure



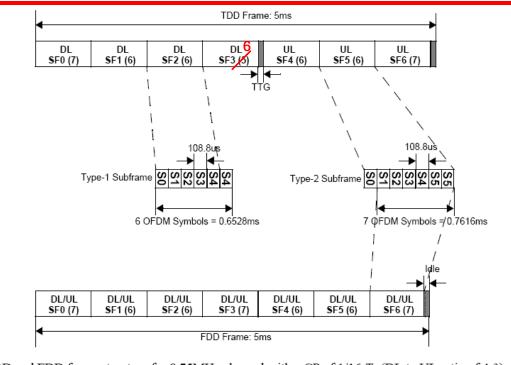
15.3.3.3 Frame structure for $CP = 1/16 T_b$





TDD and FDD frame structure for 7MHz channel with a CP of $1/16 T_b$ (DL to UL ratio of 4:3).

Figure 401-7 MHz TDD and FDD frame structure



TDD and FDD frame structure for 8.75MHz channel with a CP of 1/16 T_b (DL to UL ratio of 4:3).

Figure 402—8.75 MHz TDD and FDD frame structure