Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**Corrections to OFDM Profiles**
Date Submitted	~~**2004-10-26**~~
Source(s)	Hassan Yaghoobi Intel Corporation **Voice: 408-545-6162, mailto:hassan.yaghoobi@intel.com**
Re:	Supporting document for call for contribution for corrigendum document
Abstract	This contribution updates the symbol duration sizes and SS to BS synchronization tolerance in OFDM PHY profiles of Section 12.3.2 according to the latest over-sampling ratios in 802.16REVd/D5.
Purpose	Adoption in P802.16-2004/Cor 1
Notice	This document has been prepared to assist IEEE 802.16. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) 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 Policy and Procedures	The contributor is familiar with the IEEE 802.16 Patent Policy and Procedures <http://ieee802.org/16/ipr/patents/policy.html>, including the statement "IEEE standards may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for compliance with both mandatory and optional portions of the standard." Early disclosure to the Working Group of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and increase the likelihood that the draft publication will be approved for publication. Please notify the Chair <mailto:chair@wirelessman.org> as early as possible, in written or electronic form, if patented technology (or technology under patent application) might be incorporated into a draft standard being developed within the IEEE 802.16 Working Group. The Chair will disclose this notification via the IEEE 802.16 web site <http://ieee802.org/16/ipr/patents/notices>.

1 Introduction

This contribution updates the symbol duration sizes and SS to BS synchronization tolerance in OFDM PHY profiles of Section 12.3.2 according to the latest over-sampling ratios in 802.16REVd/D5.

2 Proposed Text Changes

Change 1: In Section 12.3.2.4, Table 406

- Replace the current value corresponding to "T_b" with "74 18/43"
- Replace the current value corresponding to "SS to BS synchronization tolerance" with "≤268.75 Hz"

Change 2: In Section 12.3.2.5, Table 407

- Replace the current value corresponding to "Tb" with "40 40/79"
- Replace the current value corresponding to "SS to BS synchronization tolerance" with "≤493.75 Hz"

Change 3: In Section 12.3.2.6,

- In Table 408, replace the current value corresponding to "Tb" with "22 2/9"
- Replace the current value corresponding to "SS to BS synchronization tolerance" with "≤900 Hz"

3 References

[1] IEEE P802.16-REVd/D5-2004 Standard for Local and metropolitan area networks Part 16: Air Interface for Fixed Broadband Wireless Access Systems

[2] IEEE P802.16-REVe/D5-2004 Standard for Local and metropolitan area networks Part 16: Air Interface for Fixed Amendment for Physical and Medium Access Control Layers for Combined Fixed and Mobile Operation in Licensed Bands