

Project IEEE 802.16 Broadband Wireless Access Working Group <<http://ieee802.org/16>>

Title OFDM preamble Ad Hoc interim voting results for Downlink

Date Submitted [2002-01-04]

Source(s) Preamble Ad Hoc group
Amir Sarajedini, Vice-Chair asarajedini@beamreachnetworks.com

Re: OFDM preamble Ad Hoc

Abstract This document contains ad hoc voting results for the OFDM preamble design for the 802.16a system.

Purpose OFDM preamble design first round comments

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.

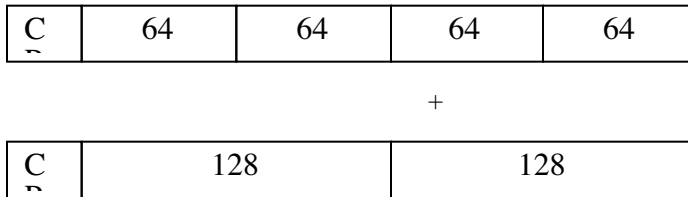
Release The contributor grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE's name any IEEE Standards publication even though it may include portions 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 (Version 1.0) <<http://ieee802.org/16/ipr/patents/policy.html>>, including the statement "IEEE standards may include the known use of patent(s), including patent applications, if there is technical justification in the opinion of the standards-developing committee and provided the IEEE receives assurance from the patent holder that it will license applicants under reasonable terms and conditions for the purpose of implementing 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:r.b.marks@ieee.org>> as early as possible, in written or electronic form, of any patents (granted or under application) that may cover technology that is under consideration by or has been approved by IEEE 802.16. The Chair will disclose this notification via the IEEE 802.16 web site <<http://ieee802.org/16/ipr/patents/notices>>.

The OFDM preamble ad hoc has voted on preamble structures for the following scenarios: Licensed TDD Downlink, Licensed FDD downlink, and unlicensed TDD downlink. The decisions with the most votes are captured in the comments below.

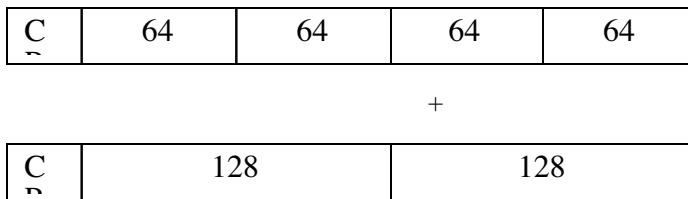
Insert at: Page 178, Line 43
Section 8.3.5.3.3.9 Preamble Structure

For OFDM Licensed bands, the TDD and FDD downlink preamble structure should be

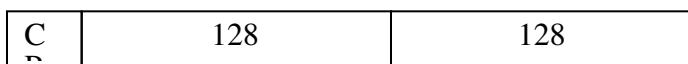


Delete lines 21-65 on page 206 and delete lines 1-46 on page 207 and replace with the following. Insert the following text under section 8.3.5.4.4.2 Downlink Preambles , Page 206, Line 20

For OFDM unlicensed bands, the TDD downlink preamble should have the following structure



For OFDM unlicensed bands, the uplink TDD, the preamble has the following structure



The voting proposals, results and participants are given below.

The two proposals were:

1. Registration preamble: CP+256+CP+2*128 then handshake to Traffic preamble: xx+CP+4*64 or CP+2*128
2. Both registration and traffic preambles: CP+(4*64)+CP+(2*128).

The results of the voting were:

The first number is the proposal and the second number is the number of votes for that proposal.

1. licensed TDD downstream

1)2 2)6

2. unlicensed TDD downstream

1)2 2)6

3. licensed FDD downstream

1)0 2)6

The following people voted:

Shawn Taylor, Nico Van Waes, Ron Murias, Apurva Mody, Carl Scarpa, Mike Paff, Jerry Krinock, Jonathan Labs.

the following people were on the email list:

'apurva'; Shawn Taylor; 'VanWaes Nico (NET/MtView)'; 'extjacobsen, Eric A'; 'Octavian Sarca'; 'Charlie Cahn'; 'Manoneet Singh'; 'Mike Paff'; 'Brian Edmonsto'; 'Carl Scarpa'; 'Naftali Chayat'; 'Jerry Krinock'; 'Zion Hadad'; 'Robert M. Ward Jr.'; Phil Kelly; 'Arthur Wang'; 'Jose Tellado'; 'TKlaitz'; 'Yossi Segal'; 'Joe Hakim'; 'Jun Shen'; 'Yigal Leiba'; Gordon Antonello; 'Wendy Wong'; Ron Murias; 'John Liebetreu'; 'Chin-Chen Lee'; 'Hank Eilts'; 'Panyuh Joo'; 'Daniel Kim'; 'Jason Li'; 'Larry Watkins'; 'Inchul Kang'; 'Wenhan Zhang'; 'Lek'; 'Hikmet Sari'; 'Jonathan Labs'; 'hlou@marvell.com'; Amir Sarajedini