2004-07-07 C802.16e-04/181r1

Project	IEEE 802.16 Broadband Wireless Access Working Group <a href="http://ieee802.org/16">http://ieee802.org/16</a> >
Title	Burst profile (UIUC) of UL transmission following CDMA allocation not defined
Date Submitted	2004-07-07
Source(s)	Intel:
	Yuval Lomnitz, yuvall@envara.com
	Noam Kogan, noamk@envara.com
	Yigal Eliaspur, yigal.eliaspur@intel.com
	Voice: +972-547-884877
	Dov Andelman, dov.andelman@intel.com
Re:	IEEE P802.16e/D3-2004
Abstract	Burst profile (UIUC) of UL transmission following CDMA allocation not defined
Purpose	"
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 <a href="http://ieee802.org/16/ipr/patents/policy.html">http://ieee802.org/16/ipr/patents/policy.html</a> , 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 <a href="mailto:chair@wirelessman.org">mailto:chair@wirelessman.org</a> 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 <a href="http://ieee802.org/16/ipr/patents/notices">http://ieee802.org/16/ipr/patents/notices</a> .

2004-07-07 C802.16e-04/181r1

## Burst profile (UIUC) of UL transmission following CDMA allocation not defined

Yuval Lomnitz

## 1. Motivation

Burst profile (UIUC) of UL transmission following CDMA allocation not defined.

CMDA\_allocation gives allocation in the UL based on CDMA BW/ranging code transmission. It is indicated by UIUC=14, but doesn't give UIUC for the transmission of the SS. Since the allocation is anonymous, and the BS cannot tune the burst profile per user, we recommend to define a well known coding.

## 2. Changes summary

[Add the following text in the end of the first paragraph of section 8.4.5.4.3 "CDMA allocation UL-MAP IE format ":]

"The burst profile of the UL transmission allocated by CDMA allocation IE shall be CC, QPSK rate 1/2."