

Project	<b>IEEE 802.16 Broadband Wireless Access Working Group</b> < <a href="http://ieee802.org/16">http://ieee802.org/16</a> >	
Title	<b>Focused Contention Reservation Requests and UL-MAP for OFDM</b>	
Date Submitted	<b>2002-03-03</b>	
Source(s)	Vladimir Yanover Alvarion Ltd. 21 A Habarzel St. Ramat - Hahayal Tel - Aviv 69710 P.O. Box 13139, Tel-Aviv 61131, Israel	Voice: +972-36457834 Fax: +972-36456222 <a href="mailto:vladimiry@breezecom.co.il">mailto:vladimiry@breezecom.co.il</a>
Re:	This is a response to announcement of IEEE 802.16 Working Group Recirculation Ballot #4a, IEEE 802.16-02/06	
Abstract	The document contains suggestion on changing the document 802.16a-D2-2002 within the procedure of Working Group Recirculation Ballot #4a	
Purpose	The document provides additional material for several comments to be considered during the process of comments resolution	
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# Focused Contention Reservation Requests and UL-MAP for OFDM

*Vladimir Yanover*  
*Alvarion Ltd.*

The following is the text suggested to add in the 802.16a-D2 document, starting from the page 157, line 60, after the section 8.3.5.5.2.2.1 UL MAP Information Element Format.

## 8.3.5.5.2.2.2 UL MAP Focused Contention IE Format

The following table defines the UL-MAP\_Information\_element for allocation BW for a SS that requested bandwidth using Focused Contention Reservation Requests (see 6.2.2.3.6). This uplink MAP IE is identified by UIUC = 4 (see Table 210).

**Table 1. Focused Contention IE**

Syntax	Size	Notes
<b>Focused_Contention_IE {</b>		
<b>Transmit Opportunity Index</b>	6	
<b>Contention Channel Index</b>	6	
<b>UIUC = 4</b>	4	
<b>Contention Code Index</b>	4	
<b>Offset</b>	12 bits	
<b>}</b>		

### **Transmit Opportunity Index**

Index number of the Transmit Opportunity that was used in the Bandwidth Request, which this message is responding to. Focused Contention Reservation Requests Transmit Opportunities are numbered from 0 to 63 backward, starting from the beginning of the frame where the UL-MAP is transmitted.

### **Contention Channel Index**

Index number of the Contention Channel, which was used in the Bandwidth Request, which this message is responding to.

### **UIUC**

UIUC Value = 4 is used to mark the UL-MAP IE as a Focused Contention IE as opposite to a regular UL-MAP IE. Note that this format defines the same offset of UIUC as the usual one.

### **Contention Code Index**

Index number of the Contention Code, which was used in the Bandwidth Request, which this message is responding to.

**Offset**

The offset indicates the start time, in units of mini-slots, of the burst relative to the Allocation Start Time given in the UL-MAP message. Consequently the first IE will have an offset of 0. The end of the last allocated burst is indicated by allocating a NULL burst (CID = 0 and UIUC 14) with zero duration. The time instants indicated by the offsets are the transmission times of the first symbol of the burst including preamble.

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The following is another change suggested:

In Table 210 OFDM UIUC values replace the line

4-12 Burst Profiles

with the following two lines:

4 Focused Contention IE

5-12 Burst Profiles