Project	IEEE 802.16 Broadband Wireless Access Working Group <a href="http://ieee802.org/16">http://ieee802.org/16</a> >		
Title	Attributes of co-existence zone		
Date Submitted	2006-09-18		
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Re:	Call for Comments and Contribution, "IEEE 802.16's License-Exempt (LE) Task Group – Action item (AI-1004) was decided in July, 2006 conference (Conf number #44)		
Abstract	This document contains the attributes of the co-existence zone		
Purpose	To provide ideas on the attributes of the co-existence zone		
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Following table denotes the attributes of CXZ for downlink path - These attributes can be considered as part of downlink information element ( $DL\_MAP\_IE$ )

Syntax	Size	Notes	Phy-Scope
Extended DIUC	4 bits	Val = 0x0A	OFDM/OFDMA
Length	4bits	Val =0x07(Since CSI start and CMI start are mutually exclusive)	
DIUC	4 bits		OFDM – Denotes the modulation type used in the co- existence zone
Duration	12 bits	Duration of co- existence zone in OFDM symbol (Inclusive preamble present). N.B: Since the co- existence zone needs to be the part of DL_MAP, star time will be available from the start-time field of DLMAP	OFDM
Canter frequency (DL)	8 bits	Operating frequency of the co-existence zone	FDD duplexing
Next CMI start time	8 bits	Start time of the next CMI	Neighbour having same PHY and profile
Frame number	16 bits	Where this co- existence zone will be going to belong	All
Next CSI start time	8 bits	Gives the location of the next CSI cycles start	N.B Neighbour having different PHY and profile
Synchronous clock	8 bits	A time stamp, may be used by BS	Neighbour having same PHY and profile,

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Following table denotes the attributes of CXZ for uplink path – These attributes can be considered as part of uplink information element (UL\_MAP\_IE)

Syntax	Size	Notes	Phy-Scope
Extended UIUC	4 bits	Val = 0x04.	OFDM/OFDMA
		Denotes co-	
		existence	
Length	4bits	Val =0x06	
UIUC	4 bits	Type of uplink	All
		access and the burst	
		profile needs to be	
		used by a service	
		station in co-	
		existence zone	
Duration	12 bits	Duration of uplink	All
		grant-in co-	
		existence zone in	
		OFDM symbol	
		(Inclusive preamble	
		present).	
Start time	16 bits	Indicates the start	All
		time of the co-	
		existence zone in	
		units of symbol	
		duration	
Frame number	16 bits	Where this co-	All
		existence zone will	
		be going to belong	