Project	**IEEE 802.16 Broadband Wireless Access Working Group** <http://ieee802.org/16>	
Title	**Clarification on DCD over IEEE 802.16n**	
Date Submitted	**2012-05-04**	
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Re:	"IEEE 802.16-12-271," in response to Letter Ballot Recirc #37a on P802.16n/D2	
Abstract	Clarification on DCD in GRIDMAN Draft Standard	
Purpose	To discuss and adopt the proposed text in the draft amendment document on GRIDMAN	
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Clarification on DCD over IEEE 802.16n

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1. Introduction

This document provides clarification on DCD channel encodings in IEEE 802.16n.

2. References

[1] IEEE 802.16-12-0132, GRIDMAN System Requirement Document including SARM annex, January 2012.
[2] IEEE P802.16n™/D2, Air Interface for Broadband Wireless Access Systems - Draft Amendment: Higher Reliability Networks, April 2012.
[3] IEEE P802.16.1a™/D2, WirelessMAN-Advanced Air Interface for Broadband Access Systems - Draft Amendment: Higher Reliability Networks, April 2012.
[4] EEE P802.16Rev3/D6, IEEE Draft Standard for Local and metropolitan area networks; Part 16: Air Interface for Fixed and Mobile Broadband Wireless Access Systems," April 2012.
[5] IEEE P802.16.1™/D6, IEEE Draft for WirelessMAN-Advanced Air Interface for Broadband Wireless Access Systems, April 2012.

3. Proposed Text on the IEEE 802.16n Amendment Draft Standard

Note:

The text in **BLACK** color: the existing text in the P802.16n Amendment Draft Standard

The text in ~~**RED**~~ color: the removal of existing P802.16n Amendment Draft Standard Text

The text in **BLUE** color: the new text added to the P802.16n Amendment Draft Standard Text

[----------Start of Text Proposal----------]

[*Remedy: Change line #20, page 57 on P802.16n/D2 as follows:*]

11.4.7 DCD channel encodings

Insert the following row at the end of Table ~~678~~679:

Name	Type (1bytes)	Length	Value (Variable length)	PHY Scope
Multicast Group zone identifier	~~TBD~~158	2	This parameter shall include multicast zone identifier with which BS is associated. A Multicast Group Zone identifier is ~~1 byte~~ 12bits long. ~~bits~~Bits 11 through 0 are the Multicast Group Zone Identifier, bits 16 through 13 are set to 0 in each byte. The Multicast Group Zone identifier shall not be '0'. When the parameter is part of a compound DCD settings TLV (refer to 11.18.1), a value of 0 means that the neighbor BS is not affiliated with any Multicast Group zone	All
HR Multimode Indication	~~TBD~~159	1	Indicates whether the BR/RS is HR-MS acting as BS/RS or HR-BS acting as RS ~~Bit 0: the BS/RS is neither HR-MS acting as BS/ RS nor HR-BS acting as RS Bit 1: the BS/RS is HR-MS acting as BS/ RS Bit 2: the BS/RS is HR-BS acting as RS Bit 3-7: reserved~~ Bit 0: the BS/RS is neither HR-MS acting as BS/RS nor HR-BS acting as RS Bit 1: the BS/RS is HR-MS acting as BS/ RS Bit 2: the BS/RS is HR-BS acting as RS Bit 3-7: reserved	All
Multicast Indication cycle	~~TBD~~160	1	Multicast Indication cycle indicates the start of multicast indication cycle in unit of 8 LSB of frame number. Multicast indication cycle is unique to HR multicast group zone and it consists of multicast available interval and multicast unavailable interval. 1st frame of multicast indication cycle is the multicast available interval and rest frames are the multicast unavailable interval.	All

[----------End of Text Proposal----------]