

Project	<b>IEEE 802.16 Broadband Wireless Access Working Group</b> < <a href="http://ieee802.org/16">http://ieee802.org/16</a> >	
Title	<b>Clarification on Multicast (Group) CID over IEEE 802.16n</b>	
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Re:	“IEEE 802.16n-11/0029,” in response to Call for Comments on GRIDMAN	
Abstract	Clarification on Multicast Group CID on GRIDMAN Amendment Draft Standard	
Purpose	To discuss and adopt the proposed text in the draft amendment document on GRIDMAN	
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# Clarification on Multicast (Group) CID over IEEE 802.16n

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## 1. Introduction

In Session#76, Multicast Group ID instead of Multicast Group CID or Multicast CID was agreed as the identifier to distinguish multicast group.

Thus, this document provides text change on IEEE 802.16n[2].

## 2. References

- [1] IEEE 802.16n-10/0048r3, 802.16n System Requirement Document including SARM annex, November 2011.
- [2] IEEE 802.16n-11/0032, P802.16n Draft AWD, November 2011.
- [3] IEEE 802.16n-11/0033, P802.16.1a Draft AWD, November 2011.
- [4] IEEE P802.16Rev3/D3, IEEE Draft Standard for Local and metropolitan area networks; Part 16: Air Interface for Fixed and Mobile Broadband Wireless Access Systems,” November 2011.
- [5] IEEE P802.16.1<sup>TM</sup>/D3, IEEE Draft for WirelessMAN-Advanced Air Interface for Broadband Wireless Access Systems, November 2011.

## 3. Proposed Text on the IEEE 802.16n AWD

Note:

The text in **BLACK** color: the existing text in the IEEE 802.16 GRIDMAN AWD

The text in **RED** color: the removal of existing IEEE 802.16 GRIDMAN AWD

The text in **BLUE** color: the new text added to the IEEE 802.16 GRIDMAN AWD

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

**[Remedy1: Replace the “Multicast Group CID” by “Multicast Group ID” at the following location in the 802.16n AWD:]**

- line #23, page 12

- line #32, page 14

- 5th row & 3rd column of Table 431, page 46
- 5th row & 3rd column of Table 447, page 49
- line #15, page 54 (Two “Multicast Group CID”s should be replaced.)
- 3rd row & 1st column of Table 1029, page 55
- line #7, page 103
- line #19, page 103
- line #1, page 106
- 9th row & 1st column of Table 1038, page 108
- 2nd row & 1st column of Table 1038, page 109

**[Remedy2: Replace the “Multicast Group CID” by “Multicast CID” in line 12, page 43 in the 802.16n AWD]**

**[Remedy3: Change 16.9.1, line #30-43, page 103, in the 802.16n-AWD as follows:]**

### 16.9.1 Multicast Communication Operation

An HR-BS establishes a DL multicast service by creating a multicast connection with each HR-MS to be associated with the service. Multicast service flows are not dedicated to the specific HR-MS and are maintained even though the HR-MS is either connected mode or idle mode. When an HR-MS is registered at an HR-BS for receiving multicast service, multicast service flows shall be instantiated as multicast connections. An HR-MS regardless of what mode the HR-MS is currently in may receive data of multicast service flows transmitted from HR-BS. Any available CID as an HR Multicast Group ID~~HR Multicast Group CID~~ is used for the multicast service (i.e., there are no dedicated CIDs for multicast transport connections). To ensure proper multicast operation, the HR Multicast Group ~~CID~~ID used for the service shall be the same for all HR-MSs on the same channel that participate in the connection in a multicast zone. Mapping of multicast service flows to corresponding HR Multicast Group ~~CIDs~~IDs shall be known and be the same for all HR-BSs belonging to the same HR Multicast Group Zone.

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