

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Proposed Text of Addressing Section for the IEEE 802.16m Amendment	
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Re:	"802.16m AWD": IEEE 802.16m-09/0012, "Call for Contributions on Project 802.16m Amendment Working Document (AWD) Content". Target topic: Addressing.	
Abstract	The contribution proposes the text of Addressing section to be included in the 802.16m amendment working document.	
Purpose	To be discussed and adopted by TGM for 802.16m amendment working document.	
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Proposed Text of Addressing Section for the IEEE 802.16m AWD

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1. Introduction

This contribution proposes amendment text to describe the 802.16m MAC addressing section and is intended as the section to be included in the 802.16m amendment.

2. Modifications to the SDD text

The most text proposed in this contribution is copied from the subclauses 10.1 in the IEEE 802.16m SDD [3]. The modifications to the SDD text are underlined

-----< Start of the Proposed text >-----

15.2.1 Addressing

The AMS has a global address and logical addresses that identify the AMS and connections during operation.

15.2.1.1 MS MAC Address

The AMS, ARS and ABS are identified by the globally unique 48-bit IEEE Extended Unique Identifier (EUI-48™) based on the 24-bit Organizationally Unique Identifier (OUI) value administered by the IEEE Registration Authority.

15.2.1.2 Logical Identifiers

The following logical identifiers are defined in the following subsections.

15.2.1.2.1 Station Identifier (STID)

The ABS assigns a [12 bits long](#) STID to the AMS during network entry, and, in some cases, network re-entry, that uniquely identifies the AMS within the domain of the ABS. Each AMS registered in the network has an assigned STID. Some specific “STIDs” are reserved, for example, for broadcast, multicast, and ranging.

15.2.1.2.2 Flow Identifier (FID)

Each AMS connection is assigned a [4bits long](#) FID that uniquely identifies the connection within the AMS. FIDs identify management connections and transport connections. Some specific FIDs may be pre-assigned.

-----<End of the proposed text> -----

3. References

- [1] IEEE P802.16 Rev2/D9, “Draft IEEE Standard for Local and Metropolitan Area Networks: Air Interface for Broadband Wireless Access,” Jan. 2009.
- [2] IEEE 802.16m-07/002r7, “802.16m System Requirements”
- [3] IEEE 802.16m-08/003r7, “The Draft IEEE 802.16m System Description Document”
- [4] IEEE 802.16m-08/043, “Style guide for writing the IEEE 802.16m amendment”