

Project	<b>IEEE 802.16 Broadband Wireless Access Working Group</b> < <a href="http://ieee802.org/16">http://ieee802.org/16</a> >	
Title	<b>Proposed text for 802.16m Requirements – Section 8.0 Deployment-Related Requirements</b>	
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Re:	Call for Contributions on Requirements for P802.16m Advanced Air Interface IEEE 802.16m-07/004r1, 01/31/07	
Abstract	This document modifies Deployment-Related Requirements section in the current baseline document, 80216m-07_002.	
Purpose	For discussion and approval by TGm	
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## **Section 8.0 Deployment-Related Requirements**

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### **8.0 Deployment-related requirements**

#### **8.1 Legacy Support**

IEEE 802.16m provides continuing support for legacy WirelessMAN-OFDMA equipment.

#### **8.2 Spectrum Requirements**

IEEE 802.16m shall support scalable bandwidth including 5, 7, 8.75, 10, 20, 40, and 100 MHz.

Terminal shall support 20 MHz bandwidth.

IEEE 802.16m shall support asymmetric bandwidth assignment for downlink and uplink for both TDD and FDD. And the downlink/uplink bandwidth is adaptively assigned depending on channel condition or user capacity.

IEEE802.16m shall support flexible spectrum usage and efficient usage of scattered spectrum.

#### **8.3 System Architecture**

IEEE 802.16m shall support multi-hop topologies. All IP architecture is also supported in 802.16m.

#### **8.4 System Migration**