

<b>Project</b>	IEEE 802.16 Broadband Wireless Access Working Group < <a href="http://ieee802.org/16">http://ieee802.org/16</a> >	
<b>Title</b>	Proposed text for P802.16m Requirements Document -- Section 8	
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<b>Re:</b>	IEEE 802.16m-07/004r1 – Call for Contributions for P802.16m Requirements	
<b>Abstract</b>	Proposed draft text for 802.16m Requirements Document -- Section 8	
<b>Purpose</b>	This document is submitted in response to the Call For Contributions on Requirements for P802.16m	
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likelihood that the draft publication will be approved for publication. Please notify the Chair <<mailto:chair@wirelessman.org>> as early as possible, in written or electronic form, if patented technology (or technology under patent application) might be incorporated into a draft standard being developed within the IEEE 802.16 Working Group. The Chair will disclose this notification via the IEEE 802.16 web site <<http://ieee802.org/16/ipr/patents/notices>>.

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## Proposed Text for P802.16m Requirements Document – Section 8

### 8.0 Deployment-related requirements

#### 8.2 *Spectrum Requirements*

##### **Spectrum Adaptation**

The radio has the capability of dynamically adapting its operating frequency and channel bandwidth based on the availability of the frequency spectrum (Optional).

#### 8.3 *System Architecture*

##### **Support for Multihop Relay**

It supports mobile multihop relay technology. The relay is allowed to communicate directly with another relay for data communication. The architecture supports relay mobility.

##### **Support for BS Mobility**

The architecture supports the mobility of the BS (Optional).

##### **Battery Power Consumption**

The system operation should minimize the consumption of battery operated relays in addition to user devices.

##### **Group Call Service**

The system operation should support group call service.

##### **Support for higher speed**

The system operation should support higher speed for the mobiles than that provided by the current 802.16e, up to the ITU requirement of 350 km/hr.

##### **Scalable**

The system architecture must be highly scalable