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<b>Project</b>	<b>IEEE 802.16 Broadband Wireless Access Working Group</b> < <a href="http://ieee802.org/16">http://ieee802.org/16</a> >	
<b>Title</b>	<b>Proposed text for P802.16m Requirements Document -- Section 8</b>	
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<b>Source(s)</b>	D. J. Shyy MITRE, USA	<a href="mailto:djshyy@mitre.org">djshyy@mitre.org</a> +1 703 983 6515
	Ranga Rendy US ARMY - CERDEC, USA	<a href="mailto:Ranga.Reddy@us.army.mil">Ranga.Reddy@us.army.mil</a> +1 732 532 0085
	Arnaud Tonnerre THALES COMMUNICATIONS, FRANCE	<a href="mailto:arnaud.tonnerre@fr.thalesgroup.com">arnaud.tonnerre@fr.thalesgroup.com</a> +33 1 46 13 2850
	Djamal-Eddine Meddour FRANCE TELECOM, FRANCE	<a href="mailto:djamal.meddour@orange-ft.com">djamal.meddour@orange-ft.com</a>
	Matthew Sherman BAE SYSTEMS, NES	<a href="mailto:matthew.sherman@baesystems.com">matthew.sherman@baesystems.com</a> +1 973 633 6344
<b>Re:</b>	<b>IEEE 802.16m-07/004r1 – Call for Contributions for P802.16m Requirements</b>	
<b>Abstract</b>	<b>Proposed draft text for 802.16m Requirements Document -- Section 8</b>	
<b>Purpose</b>	<b>This document is submitted in response to the Call For Contributions on Requirements for P802.16m</b>	
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may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for compliance with both mandatory and optional portions of the standard." Early disclosure to the Working Group of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and increase the 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