

## **Call for Contributions on Project 802.16m Amendment Working Document (AWD) Content**

**Deadline: 2 March 2009 AOE**

The IEEE 802.16 Working Group's *Task Group m* is developing the IEEE P802.16m Amendment Working Document (AWD) [1] in order to amend IEEE Std 802.16 based on the technical decisions made in the System Description Document [2], so as to address the requirements laid out in the 802.16m System Requirements Document [3]. It is also intended to facilitate development of the IMT-Advanced Radio Interface Technology Proposal as per the [ITU Liaison Group's Work Plan](#).

### **Call for Comments on Amendment Working Document**

At 802.16 Session #59, the Amendment Working Document was updated. This document is available as [IEEE 802.16m-09/0010](#). This announcement requests detailed comments on the text currently contained in that document.

Comments should be submitted in *Commentary* format, with supporting contributions as necessary. Use "tgmawd" as the Ballot ID and upload comments to the "TGM\_comments" folder at <http://upload.wirelessman.org>.

### **Call for Contributions for P802.16m AWD Proposals**

This announcement also requests contributions for P802.16m AWD text proposals describing functional details of the protocol procedures and the information elements based on the following sections in System Description Document [2]:

- 8.x IEEE 802.16m Air-Interface Protocol Structure
- 10.1 Addressing
- 10.2 HARQ
- 10.3 Handover
- 10.4 ARQ
- 10.5 Power Management (Sleep, Idle)
- 10.9 Connection Management
- 10.10 QoS
- 11.1 Power Control
- 11.11 Link Adaptation

Contributions should include simulations or analyses, consistent with the 802.16m Evaluation Methodology Document [4] methodologies and parameters, indicating how the proposed approach satisfies the 802.16m System Requirements Document [3]. To also facilitate development of the IMT-Advanced Proposal in an expedient manner, please ensure the contributions are sufficiently detailed and complete for performing system simulations for validating performance towards IMT-Advanced, as necessary. For example, specific details are required on the following items (it should be noted that a few of these items are being addressed by the drafting groups established at session #59):

- PDU formats

- PAPR reduction techniques (What is the RF peak to average power ratio after baseband filtering (dB)? Describe the PAPR (peak-to-average power ratio) reduction algorithms)
- Inter-RAT interworking (IEEE 802.16m with other IMT RATs)
- Connection/Session Management
- Details of power control
  - Power control step size (dB)
  - Power control cycles per second
  - Power control dynamic range (dB)
  - Minimum transmit power level with power control
  - Associated signaling and control messages.
- Mobile and Base Station emitted power or power classes

At [Session #60](#), priority consideration will be provided to material directly relevant to the IMT-Advanced Proposal requirements.

Any proposed text should be developed such that it can be readily combined with IEEE P802.16Rev2/D9 and active IEEE 802.16 amendment projects, as appropriate. In addition, it must follow the style and format guidelines contained in the Style Guide for 802.16m Amendment Contributions ([IEEE 802.16m-08/043](#)).

Text proposed for the P802.16m Amendment that is in violation of the technical decisions in the System Description Document [2] will be considered out of scope, unless the Task Group first approves an associated Change Request (CR) to the SDD. If required, this should be submitted as a separate comment on the SDD (with supporting contribution, if necessary).

***Contributions shall make use of the current IEEE 802.16 Document Submission Template, Rev. 9 (2007-06-19) and follow the instructions at <<http://ieee802.org/16/submit.html>>.***

In addition contributions should specify on the cover page (in the “Re:” box) that they are for “802.16m AWD”.

Use the “TGm” upload directory at <http://tgm.wirelessman.org> to post contributions.

## Contacts

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## References :

- [1] [IEEE 802.16m-09/0010](#), “802.16m Amendment Working Document (AWD)”
- [2] [IEEE 802.16m-08/003r7](#), “802.16m System Description Document (SDD)”
- [3] [IEEE 802.16m-07/002r8](#), “802.16m System Requirements Document (SRD)”
- [4] [IEEE 802.16m-08/004r5](#), “802.16m Evaluation Methodology Document (EMD)”
- [5] [IEEE 802.16m-08/043](#), “Style Guide for 802.16m Amendment Contributions”