

## Call for Contributions on Project 802.16m System Description Document (SDD)

**Deadline: 16 January 2008 AOE**

At IEEE 802.16's Session #52 in November 2007, Task Group m reviewed a number of initial contributions on a System Description Document (SDD). This document is intended to provide a top level technical description of those functional areas of IEEE Std 802.16 that will need to be changed in order to address the requirements laid out in the 802.16m System Requirements Document <[http://ieee802.org/16/tgm/docs/80216m-07\\_002r4.pdf](http://ieee802.org/16/tgm/docs/80216m-07_002r4.pdf)>. It is the intent of the Task Group to address technical tradeoffs of different proposed concepts and techniques during the development of this document.

### Call for Contributions

Specifically, this Call for Contributions is requesting contributions on the following:

- Proposed IEEE 802.16m Reference Model and potential System Architectures
- Proposed 802.16m Protocol Architecture and main functionalities per protocol layer
- Proposed 802.16m Frame Structure with special attention to legacy support
- Multiple access and multi antenna techniques, specifically as related to frame structure.

It is strongly recommended that respondents review the contents of the Task Group m System Requirements [1] and Evaluation Methodology [2] in the development of their contributions. It is desired that, by the end of Session #53, an initial skeleton System Description Document will have been developed for use in the further technical development of the 802.16m draft.

Contributions should follow the guidelines below:

- Include a descriptive title of the proposed Functional Area or Characteristic
- Specify on the cover page (in the "Re:" box) which of the above mentioned topics the contribution pertains to.
- Include a brief description and discussion of the proposed Characteristic or Functional Area, demonstrating either through analysis or simulation how it satisfies or helps satisfy the System Requirements [1]
- In addition to the contribution document, if appropriate, it is suggested that contributors prepare a *concise* presentation describing their proposal.
- Discussion and preharmonization using the 802.16m SDD Forum <<http://dot16.org/forum/index.php?board=18.0>> is strongly encouraged.

***Contributions must make use of the current IEEE 802.16  
Document Submission Template, Rev. 9 (2007-06-17)***

<<http://ieee802.org/16/submit.html>>. Use the "TGm" upload directory at <<http://tgm.wirelessman.org>> to post contributions.

Contributions will be considered non-confidential and will be posted, as soon as possible following receipt, for public access on the 802.16 Web Site <<http://ieee802.org/16>>.

For further information, contact one of the following:

IEEE 802.16 Working Group Chair: Roger Marks <[r.b.marks@ieee.org](mailto:r.b.marks@ieee.org)>

IEEE 802.16 Task Group m Chair: Brian Kiernan <[brian.kiernan@interdigital.com](mailto:brian.kiernan@interdigital.com)>

[1] IEEE 802.16m-07/002r4, "802.16m System Requirements"

[2] IEEE 802.16m-07/037r2, "Draft 802.16m Evaluation Methodology"