Call for Comments and Contributions on Project 802.16m System Description Document (SDD)
Deadline: 7 July 2008 AOE

The IEEE 802.16 Working Group's *Task Group m* is developing a System Description Document (SDD) to provide a top-level technical description of the functionality to be specified in IEEE P802.16m in order to amend IEEE Std 802.16 so as to address the requirements laid out in the 802.16m System Requirements Document IEEE 802.16m-08/002r4 <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 the SDD. At IEEE 802.16's Session #55 in May 2008, *Task Group m* continued its development of this SDD. The output was a draft document containing working assumptions. It is available as IEEE 802.16m-08/003r3: <http://ieee802.org/16/tgm/#08_003>. Also available at the same URL is IEEE 802.16m-08/003r2, which indicates the material changed as a result of decisions at Session #55.

Call for Comments
This announcement requests comments on the following:

The newly adopted and updated sections of the SDD as identified by the revision marks contained in IEEE 802.16m-08/003r2. Comments should be submitted in *Commentary* format, referencing the page, line, and subclause numbers in IEEE 802.16m-08/003r3, and can reference supporting contributions as necessary. Use "tgmsdd" as the Ballot ID Number.

It should be especially noted that anyone submitting a comment or contribution on a specific DL pilot scheme needs to include a supporting simulation based on the Pilot Evaluation criteria contained in Appendix A of the DL PHY Rapporteurs Report from Session #55 <http://www.ieee802.org/16/tgm/contrib/C80216m-08_518.pdf>.

Call for Contributions

In addition to the comments above, Contributions are also requested on the following specific topics:
- Uplink MIMO schemes
- Hybrid ARQ (PHY aspects)
- Link Adaptation Schemes
- Interference Mitigation

- Power Control
- Upper MAC concepts and methods (limited to addressing, mobility and power management)

It is strongly recommended that contributors review the contents of the Task Group m System Requirements [1] and Evaluation Methodology [2] in the development of their contributions.

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:" or "Venue:" 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.
- Any new terminology should be defined within the contribution

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:
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[1] IEEE 802.16m-07/002r4, "802.16m System Requirements"
[2] IEEE 802.16m-008/004, "802.16m Evaluation Methodology"