

Call for Contributions on Evaluation Methodology and Key Criteria for 802.16m - Advanced Air Interface - Proposals

Deadline: 5 March 2007 AOE

The IEEE 802.16 Working Group on Broadband Wireless Access is preparing to define the 802.16m Advanced Air Interface amendment to the existing 802.16-2004 and 802.16e-205 broadband wireless access air interface specifications in accordance the approved PAR for 802.16m (Document IEEE 802.16-06/054r4, http://www.ieee802.org/16/docs/06/80216-06_054r4.pdf). The PAR scope and purpose state:

“This standard amends the [IEEE 802.16](#) WirelessMAN-OFDMA specification to provide an advanced air interface for operation in licensed bands. It meets the cellular layer requirements of IMT-Advanced next generation mobile networks. This amendment provides continuing support for legacy [WirelessMANOFDMA](#)

“The purpose of this standard is to provide performance improvements necessary to support future advanced services and applications, such as those described by the ITU in Report ITU-R M.2072.”

Specifically, the 802.16m amendment is targeted towards development of an 802.16 OFDMA based Advanced Air Interface capable of meeting the requirements established by ITU-R Working Party 8F for “systems Beyond IMT-2000,” also referred to as “IMT-Advanced”

As part of the development, the IEEE 802.16 Working Group is soliciting contributions on the key criteria and suitable evaluation methods for fairly comparing different technical proposals.

At this initial stage, the only criteria available are those delineated in the initial 802.16m Draft Requirements document ([insert link](#)), however contributors should consider the IMT-Advanced Framework requirements stated by the ITU-R in Recommendation M.1645, “Framework and Overall Objectives of the Development of IMT-2000 and Systems beyond IMT-2000” <http://www.itu.int/rec/R-REC-M.1645/en> as they are developing their contributions.

The Contributions should follow the guidelines below:

- Include a descriptive title of the proposed Characteristic or Evaluation Criteria.
- Include a description and discussion of the proposed Characteristic or Criteria
- Describe how a proposed Criteria can be used to assess future technical proposals
- Contributions must use the latest version of the 802.16 document submission template, http://www.ieee802.org/16/docs/802_16_template.doc

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>>.

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These evaluation criteria will be refined by the 802.16 WG and then utilized on a continuing basis for proposal evaluation purposes.

Contributions should be uploaded to the 802.16m Task Group directory, <http://upload.wirelessman.org/>, NO LATER THAN March 5, 2007 AOE (anywhere on Earth). Please follow all submission instructions.