Abstract
This document provides a list of Key Characteristics that the 802.16.3 Air Interface Standard must address. The 802.16.3 Task Group has agreed on this list.

Purpose
For use by the Task Group to be included in a Call for Contributions (see 802.16.3c-00/03r2 Revised Development Plan Proposal for 802.16.3 Air Interface Standard).

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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:r.b.marks@ieee.org> as early as possible, in written or electronic form, of any patents (granted or under application) that may cover technology that is under consideration by or has been approved by IEEE 802.16. The Chair will disclose this notification via the IEEE 802.16 web site <http://ieee802.org/16/ipr/patents/letters>.
Key Characteristics of 802.16.3 Air Interface Standard

802.16.3 Task Group

PHY Characteristics:

1.0 Multiple Access Technique (for example; TDMA, CDMA, OFDMA, SDMA etc.)
2.0 Duplex Scheme (FDD/TDD)
3.0 RF Propagation Characteristics and Diversity Techniques
4.0 Modulation
5.0 Frame Structure and Timing and Synchronization
6.0 Coding and Interleaving
7.0 Dynamic Resource Allocation
8.0 Power Control
9.0 Equalization

MAC Characteristics: TBD

System Characteristics:

1. Regulatory Requirements
   a. Frequency Bands
   b. RF Channelization and Bandwidth
   c. Emission Requirements
   d. Coexistence Requirements
2. Transmitter/Receiver Performance Requirements