

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Key Characteristics of 802.16.3 Air Interface Standard – Task Group Rev1	
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Re:	802.16.3 Air Interface Standard	
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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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