

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Proposed Key Characteristics of 802.16.3 Air Interface Standard	
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Re:	802.16.3 Air Interface Standard	
Abstract	This document proposes a list of Key Characteristics that the final 802.16.3 Air Interface Standard must address.	
Purpose	For review by the Task Group to determine those characteristics most essential to define technically prior to issuance of a Call for Proposals (see 802.16.3-00/03r1: Revised Development Plan Proposal for 802.16.3 Air Interface Standard). This document addresses only PHY characteristics as it assumes that the 802.16.3 MAC will be the same or very nearly the same as the 802.16.1 MAC.	
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Proposed Key Characteristics of 802.16.3 Air Interface Standard

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- 1.0 Radio Frequency Bands and Channels
 - 1.1 Frequency Bands
 - 1.2 Frequency Plans
 - 1.3 RF Channelization and Bandwidth
 - 1.4 Propagation Characteristics
 - 1.5 Emission Requirements
 - 1.6 Coexistence Requirements
 - 1.7 Regulatory Requirements
- 2.0 Multiplexing and Multiple Access Technique
- 3.0 Duplex Scheme
- 4.0 Modulation
- 5.0 Frame Structure and Timing
- 6.0 Coding and Interleaving
- 7.0 Synchronization
- 8.0 Physical and Logical Channel Structure and Organization
- 9.0 Dynamic Channel Allocation
- 10.0 Power Control
- 11.0 Equalization
- 12.0 PHY-MAC Interaction
- 13.0 Diversity Techniques
- 14.0 Transmitter/Receiver Performance Requirements