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roject	IEEE 802.16 Broadband Wireless Access Working Group http://ieee802.org/16 >		
itle	Air Interface for Fixed Broadband Wireless Access Systems (Outline) Part A: Systems between 2 and 11 GHz		
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bstract	This document provides the outline for the PHY Layer of the 802.16.3 standard.		
urpose	To adopt as the outline for the PHY Layer of the 802.16.3 standard.		
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1.0 Scope

TBD

In order to claim compliance with the IEEE 802.16a standard for a system, the system SHALL comply with the Physical Layer (PHY) as described in Chapter 6 or the PHY as described in Chapter 7. The system MAY implement both PHYs. It SHALL further comply with all requirements set out in Chapter 5 that apply to the implemented PHY(s) and with the Medium Access Control Layer (MAC) as described in ??????.

TBD

- 1 Introduction
- 1.1 General
- 1.2 Key Systems Capabilities
- 2 Wireless Access System Reference Models
- 3 Targeted frequency bands, channel bandwidths and applicable Masks
- 4 Uplink and Downlink Channel
- 4.1 Duplexing modes (FDD, TDD, HFDD)
- 4.2 Multiple Access (TDM, TDMA, OFDMA)
- 4.3 Adaptive Modulations
- 4.4 Channel Coding
- 4.4.1 Reed Solomon and Convolutional Coding
- 4.4.2 Turbo Product Coding (optional)
- 4.4.3 Interleaving / Scrambling schemes

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- 5 MAC and PHY Interface
- 5.1 Convergence layer
- 5.2 Frame Structure to accommodate both SC-FDE and OFDM
- **6** Single Carrier PHY Layer
- 7 OFDM PHY Layer
- 8 References
- 9 APPENDICES
- 9.1 Similarity to other standards
- 9.2 Minimum Performance Requirements
- 9.3 FRD Compliance
- 9.4 Deployment Models
- 9.5 RF Channel Models