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CHARACTERISTICS OF WIRELESS METROPOLITAN AREA NETWORKS

This contribution was developed by IEEE Project 802, the Local and Metropolitan Area Network Standards Committee (“IEEE 802”), an international standards development committee organized under the IEEE and the IEEE Standards Association (“IEEE-SA”)*.

The content herein was prepared by a group of technical and regulatory experts in IEEE 802 and was approved for submission by the IEEE 802.18 Radio Regulatory Technical Advisory Group, the IEEE 802.16 Working Group on Wireless Metropolitan Area Networks, and the IEEE 802 Executive Committee, in accordance with the IEEE 802 Policies and Procedures, and represents the view of IEEE 802.

IEEE 802.16 has developed a standard for broadband wireless access systems, which will enable deployments in various bands, including the 2500 – 2690 MHz band. In particular the following document includes physical layer specifications applicable to systems operating between 2 and 66 GHz and it supports point-to-multipoint and optional mesh topologies.

[IEEE 802.16-2001](#) IEEE Standard for Local and Metropolitan Area Networks--Part 16 -- Air Interface for Fixed Broadband Wireless Access Systems.

[IEEE 802.16a-2003](#) IEEE Standard for Local and Metropolitan Area Networks. Part 16: Air Interface for Fixed Broadband Wireless Access Systems — Amendment 2: Medium Access Control Modifications and Additional Physical Layer Specifications for 2–11 GHz.

The standard is freely available at this page: <http://standards.ieee.org/getieee802/802.16.html>

IEEE 802.18 will assess the progress of the studies in ITU-R JTG 6-8-9 in the preparations for WRC-07 and will contribute to the work as required.

IEEE 802 hopes that this contribution will prove useful in stimulating productive discussion in JTG 6-8-9 and will contribute in a positive way to the development of appropriate sharing criteria that will protect the IEEE 802.16 systems operating in the band 2500-2690 MHz.

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