



CCNA Wireless Official Exam Certification Guide (CCNA IUWNE 640-721)

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Cisco Press, 2008. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Foreword xix Introduction xx Part I Wireless LAN Fundamentals 2 Chapter 1 Introduction to Wireless Networking Concepts 5 Do I Know This Already? Quiz 5 Foundation Topics 8 Wireless Local-Area Networks 8 How Bandwidth Is Achieved from RF Signals 8 Unlicensed Frequency Bands Used in WLANs 9 900 MHz 112.4 GHz 115 GHz 12 Modulation Techniques and How They Work 12 DSSS 12 MIMO 16 Dynamic Rate Shifting 17 Sending Data Using CSMA/CA 17 Exam Preparation Tasks 18 Review All Key Concepts 18 Complete the Tables and Lists from Memory 18 Definition of Key Terms 18 Chapter 2 Standards Bodies 21 Do I Know This Already? Quiz 21 Foundation Topics 24 Wireless Standards and Regulatory Committees 24 FCC 24 ETSI 25 IEEE 27 Wi-Fi Certification 27 Exam Preparation Tasks 28 Review All the Key Topics 28 Complete the Tables and Lists from Memory 28 Definition of Key Terms 28 Chapter 3 WLAN RF Principles 31 Do I Know This Already? Quiz 31 Foundation Topics 34 Characteristics of Wireless Networks 34 Review of Wavelength 34 Review of Frequency 34 Review of Amplitude 35 What Is Effective Isotropic Radiated Power? 35 Influences on Wireless Transmissions 35 Understanding the Free Path Loss Model 35 Understanding Absorption 36 Understanding Reflection 38 Understanding Multipath 39 Understanding Scattering 39 Understanding Refraction 40 Understanding Line of Sight 41 Determining Signal Strength Influences 42 The Fresnel Zone 42 Received Signal...



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