

1. Record Nr.	UNINA9910877050603321
Autore	Pareek Deepak
Titolo	The business of WiMAX // Deepak Pareek
Pubbl/distr/stampa	Chichester, England ; ; Hoboken, NJ, : John Wiley, c2006
ISBN	1-282-34617-2 9786612346170 0-470-03529-3 0-470-03528-5
Descrizione fisica	1 online resource (329 p.)
Disciplina	004.62 621.3845
Soggetti	IEEE 802.16 (Standard) Wireless communication systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. [309]-311) and index.
Nota di contenuto	The Business of WiMAX; Contents; Preface; PART One Understanding WiMAX; 1 Introduction; 1.1 Wireless Communication: Any Time, Any Place; 1.2 Wireless Networks; 1.3 Wireless Technologies; 1.4 Third-generation Mobile Systems; 1.5 WLAN; 1.6 WiMAX; 1.7 What Next? 4G; 2 WiMAX in Depth; 2.1 WiMAX: Broadband Wireless Access; 2.2 WiMAX Revolution; 2.3 WiMAX: Working; 2.4 WiMAX: Building Blocks; 2.5 WiMAX Technology; 2.6 WiMAX Standards; 2.7 WiMAX ForumTM; 2.8 WiMAX: Regulation; 2.9 WiMAX Roll-out; 3 WiMAX Hype; 3.1 The Confusion(s); 3.2 The 'Ahaa(s)'; 3.3 The 'Why(s)'; 3.4 The 'Oop(s)' PART Two WiMAX Effect4 WiMAX Solutions; 4.1 LOS; 4.2 Benefits of NLOS; 4.3 Self-install CPE; 4.4 Nomad, Portable and Mobile Deployment; 4.5 Nomadicity and Portability; 4.6 Mobility; 4.7 Spectrum; 4.8 Licensed Spectrum; 4.9 Licence-exempt; 5 WiMAX Applications; 5.1 Metropolitan-area Networks; 5.2 Last-mile High-speed Internet Access or Wireless DSL; 5.3 Backhaul; 5.4 The Rural Broadband Problem; 5.5 3 Vs: VoIP, VPLS and Video; 6 WiMAX Impact; 6.1 Broadband for the Masses; 6.2 Affordable Broadband; 6.3 Moore Meets Marconi: Wireless Applications; 6.4 Expanding Competition: WiMAX 6.5 Get Ready For Disruption6.6 Catalyst to Economic Growth; 6.7 The

Road Ahead; PART Three WiMAX Business; 7 WiMAX Markets; 7.1 Market Dynamics; 7.2 Market Types; 7.3 Market Segment; 7.4 Market Structure; 8 Economics of WiMAX; 8.1 Why Wireless?; 8.2 When is Wireless Right?; 8.3 The Economic Analysis; 8.4 The Business Case for WiMAX; 8.5 Business Considerations; 8.6 WiMAX Business Models; 9 WiMAX Opportunity; 9.1 Broadband Wireless Trends: Building Momentum; PART Four WiMAX Strategy; 10 Strategy for Success: Service Providers; 10.1 Understanding Diversity: Service Providers 10.2 Strategy Development 10.3 Wireline Carriers; 10.4 New Entrants; 10.5 Alternative Carriers; 10.6 Cellular and Mobile Service Providers; 10.7 New Revenue Opportunities; 10.8 Value Added Services - The Business Imperative; 10.9 Recommendation; 11 Strategy for Success: Equipment Vendors; 11.1 WiMAX Value Chain; 11.2 Original Equipment Manufacturers; 11.3 Chip Manufacturers; 11.4 Dynamics of the Value Chain; 11.5 Recommendations; 12 Strategy for Success: Government and Regulators; 12.1 Making More Spectrum Available; 12.2 Ideal Framework for Spectrum Allocation; 12.3 Reducing Legacy Regulation 12.4 Governments Can Make a Positive Impact 12.5 Recommendations; 13 Strategy for Success: Users and Investors; 13.1 Wireless - Investment Picks Up; 13.2 BWA: Industry Matures; 13.3 WiMAX: Bubble or Lifetime Opportunity; 13.4 Recommendations; Appendices; A1 WiMAX Certification Process; Abstract Test Suite Process; A2 WiBro; A3 Proprietary BWA Systems; Arraycom; Flarion; IP Wireless; Navini; Conclusion; Glossary; Bibliography; Index

Sommario/riassunto

WiMAX holds great promise for the future of broadband communications. Companies and consumers are increasingly dependent on broadband and are committed to taking broadband to the next level with mobile broadband or 802.16e, the WiMAX standard. The Business of WiMAX offers a complete guide to this exciting technology, addressing the critical issues surrounding WiMAX and its future. The author discusses the need for the technology, before explaining its architecture and deployment, modulation technology, wireless standards, spectrum issues, and network topology. Applications an
