

1. Record Nr.	UNINA9910143715403321
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Titolo	Radio Network Planning and Optimisation for UMTS [[electronic resource]]
Pubbl/distr/stampa	Hoboken, : Wiley, 2006
ISBN	1-280-44890-3 9786610448906 0-470-03140-9 0-470-03139-5
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (663 p.)
Altri autori (Persone)	WackerAchim NovosadTomas
Disciplina	621.382 621.384
Soggetti	Code division multiple access Global system for mobile communications Radio Radio - Transmitters and transmission Transmitters and transmission Global system for mobile communications - Transmitters and transmission Telecommunications Electrical & Computer Engineering Engineering & Applied Sciences Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Radio Network Planning and Optimisation for UMTS; Contents; Preface; Acknowledgements; Abbreviations; 1 Introduction; 1.1 A Brief Look at Cellular History; 1.2 Evolution of Radio Network Planning; 1.3 Introduction to Radio Network Planning and Optimisation for UMTS; 1.4 Future Trends; 1.4.1 Towards a Service-driven Network Management; 1.4.2 Wireless Local Area Networks (WLANs); 1.4.3 Next-generation Mobile Communication; References; 2 Introduction to WCDMA for

UMTS; 2.1 Mathematical Background of Spread Spectrum CDMA Systems; 2.1.1 Multiple Access; 2.1.2 Spread Spectrum Modulation 2.1.3 Tolerance of Narrowband Interference 2.2 Direct Sequence Spread Spectrum System; 2.2.1 Modulation Example; 2.2.2 Tolerance of Wideband Interference; 2.2.3 Operation in Multi-path Environment; 2.3 CDMA in Cellular Radio Networks; 2.3.1 Universal Frequency Reuse; 2.3.2 Soft Handover; 2.3.3 Power Control; 2.4 WCDMA Logical, Transport and Physical Channels; 2.4.1 High-level UMTS Architecture Model; 2.4.2 Radio Interface Protocol Architecture and Logical Channels; 2.4.3 Transport Channels; 2.4.4 Physical Channels and Mapping of Transport Channels (FDD) 2.4.5 High-speed Downlink Packet Access (HSDPA) 2.4.6 Timing and Synchronisation in UTRAN (FDD); 2.4.7 Spreading, Scrambling and Channelisation Concepts; 2.5 WCDMA Radio Link Performance Indicators; 2.5.1 Definitions; 2.5.2 Classification according to Multi-path Channel Conditions and Services; 2.5.3 Link-level Simulation Principles; 2.5.4 Physical-layer Measurements Supporting the Measurement of Link-level Performance in a Live Network; References; 3 WCDMA Radio Network Planning; 3.1 Dimensioning; 3.1.1 WCDMA-specific Issues in Radio Link Budgets; 3.1.2 Receiver Sensitivity Estimation 3.1.3 Shadowing Margin and Soft Handover Gain Estimation 3.1.4 Cell Range and Cell Coverage Area Estimation; 3.1.5 Capacity and Coverage Analysis in the Initial Planning Phase; 3.1.6 Dimensioning of WCDMA Networks with HSDPA; 3.1.7 RNC Dimensioning; 3.2 Detailed Planning; 3.2.1 General Requirements for a Radio Network Planning Tool; 3.2.2 Initialisation: Defining the Radio Network Layout; 3.2.3 Detailed Uplink and Downlink Iterations; 3.2.4 Adjacent Channel Interference Calculations; 3.2.5 Post-processing: Network Coverage Prediction and Common Channel Analysis 3.3 Verification of Dimensioning with Static Simulations 3.3.1 Macro-cellular Network Layout; 3.3.2 Introduction to the Simulation Parameters; 3.4 Verification of Static Simulator with Dynamic Simulations; 3.4.1 Introduction to the Dynamic Simulator; 3.4.2 Comparison of the Results; 3.5 Optimisation of the Radio Network Plan; 3.5.1 Ideal Case; 3.5.2 Shinjuku Case; 3.6 Interference in WCDMA Multi-operator Environment; 3.6.1 Sources of Adjacent Channel Interference; 3.6.2 Minimum Coupling Loss; 3.6.3 Dead Zones; 3.6.4 ACI Simulation Cases; 3.6.5 Guidelines for Radio Network Planning to Avoid ACI 3.7 Cell Deployment Strategies

Sommario/riassunto

Radio Network Planning and Optimisation for UMTS, Second Edition, is a comprehensive and fully updated introduction to WCDMA radio access technology used in UMTS, featuring new content on key developments. Written by leading experts at Nokia, the first edition quickly established itself as a best-selling and highly respected book on how to dimension, plan and optimise UMTS networks. This valuable text examines current and future radio network management issues and their impact on network performance as well as the relevant capacity and coverage enhancement methods. In addition to cove

2. Record Nr.	UNINA9910966995703321
Titolo	Opposing the crusader state : alternatives to global interventionism // edited by Robert Higgs and Carl P. Close
Pubbl/distr/stampa	Oakland, Calif., : Independent Institute, c2007
ISBN	1-59813-105-2 1-59813-107-9 1-59813-106-0
Edizione	[1st ed.]
Descrizione fisica	1 online resource (318 p.)
Altri autori (Persone)	HiggsRobert CloseCarl P. <1962->
Disciplina	327.1/170973
Soggetti	Isolationism - United States - History Nonalignment - United States - History United States Foreign relations
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 and index.
Nota di contenuto	Cover ; Copyright; Table of Contents ; Introduction ; Part I: American Noninterventionism ; 1: Imperialism, Noninterventionism, and Revolution: Opponents of the Modern American Empire ; 2: New Deal Nemesis: The "Old Right" Jeffersonians ; 3: On the Brink of World War II: Justus Doenecke's Storm on the Horizon 4: The Republican Road Not Taken: The Foreign-Policy Vision of Robert A. TaftPart II: The Case Against Nation Building ; 5: The Prospects for Democracy in High-Violence Societies ; 6: Does Nation Building Work? ; 7: Did The United States Create Democracy in Germany? 8: A Matter of Small Consequence: U. S. Foreign Policy and the Tragedy of East Timor Part III: Debating the Democratic Peace ; 9: Democracy and War ; 10: Democracy and War: Reply ; 11: Democracy and War: Rejoinder ; 12: Stealing and Killing: A Property-Rights Theory of Mass Murder

Part IV: Free Trade as a Peace Strategy	13:
Commerce, Markets, and Peace: Richard Cobden's Enduring Lessons	
; 14: The Diffusion of Prosperity and Peace by Globalization	
; About the Editors and Contributors	; Index
; Praise for Opposing the Crusader State	
About the Independent Institute	Independent
Studies in Political Economy	; Back Cover

Sommario/riassunto

<DIV>Broken into four sections, this book illustrates the history of American foreign policy and demonstrates the current applicability of a non-interventionist model. For the past century, U.S. foreign policy has rested on the assumption that Americans' interests are best served by active intervention abroad to secure markets for U.S. exports, to combat potential enemies far from American shores, or to engage in democratic nation building. Earlier, however, non-interventionism was widely considered more desirable and more consistent with the principles of the American Revolution. The authors
