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KEY=MANAGEMENT - DONNA BANKS

INTEGRATED TELECOMMUNICATIONS MANAGEMENT SOLUTIONS

Wiley-IEEE Press Electrical Engineering / Telecommunications Integrated Telecommunications Management Solutions A volume in the IEEE Press Series on Network Management Salah Aidarous and Thomas Plevyak, Series Editors In Integrated Telecommunications Management Solutions, two commercial software technologists offer you practical insights into managing the business software life cycle. This book will enable you to plan effective business solutions with the ever-changing technology requirements of the telecommunications industry. It provides the essentials for business process reengineering from a software-development perspective that transcends the search for the best technology of the day. The principles and processes of developing integrated solutions to telecommunications management problems discussed will outlast those offered by individual hardware and software technologies. An in-depth report on successful software-development solutions in a multiple-technology environment will help you to improve your own software-development practices. You will build better business solutions with guidance such as: Fundamental requirements for integrated solutions in the telecommunications industry A range of requirements and strategies for different types of technology integration from a software engineering perspective Commercially focused software development Business- and commercial-based open standards approaches Integrated Telecommunications Management Solutions is a valuable resource for technical managers, software architects, and designers who need to maintain efficient telecommunications networks on a daily basis.

TELECOM OPERATIONS MANAGEMENT SOLUTIONS WITH NETEXPERT

CRC Press The communications environment is rapidly changing. The barriers of traditional phone and data technologies are going to break down, and users can expect a true multimedia environment with existing services transferred and new services implemented. New suppliers, such as cable companies, will compete with interexchange carriers, RBOCs, and local phone companies for the market share. The differentiator is the price/performance ratio of the service under consideration. Today's migrated and new services lack powerful management solutions. Telecom Operations Management Solutions with NetExpert examines the most advanced products available to manage new technologies as well as addresses services, such as: Advanced telephony Wireless networks Commercial broadband Mass-market broadband Competitive access services Intercarrier communications Infrastructure services This resource also demonstrates how expert systems solve the problem of handling the large volume of data streams from numerous network components. Practical solutions support each example of an application - offering first-hand operational experience. The book provides practical examples to deploy management solutions based on NetExpert framework from Objective Systems Integrator. The framework consists of the principal modules, such as a gateway to managed devices and services as well as the workstation for operators. This framework is extended by point rulesets to manage individual devices by domain rulesets to manage device groups by enterprise rulesets to manage complete telco services The solution sets support all layers of telecommunication management networks, such as element, network, service, and business layers. As a result, these solution sets are extremely important to both incumbent and new telco service providers. Numerous cases cover customized solutions for managing wireless networks, sonet rings, ATM, old and new phone services, broadband services, and special access services of ISPs. Telecom Operations Management Solutions with NetExpert describes never-before-published information about solution sets based on an expert-system-based framework.

OSS DESIGN PATTERNS

A PATTERN APPROACH TO THE DESIGN OF TELECOMMUNICATIONS MANAGEMENT SYSTEMS

Springer Science & Business Media The management of telecommunications networks and services is one of the most challenging of software endeavors—partly because of the size and the distributed nature of networks; partly because of the convergence of communications techno- gies; but mainly because of sheer complexity and diversity of networks and services. The TM Forum s Solutions Frameworks (NGOSS) help address these challenges by providing a framework for the

development of management applications—those software applications that provide the building blocks for management solutions. The members of the TM Forum have elaborated many parts of NGOSS to make it practical—including in the area of information modeling, process analysis, and c- tract de?nition. This book further elaborates NGOSS by examining the challenging area of interface design. One of the costs of deploying a new service is the cost of integrating all the necessary applications into an effective software solution to manage the service. This cost has been dubbed the "integration tax" and can turn out to be ?ve times the capital cost of procuring the management software in the ?rst place. From their long experience of the design and standardization of management applications, the authors have extracted a core set of design patterns for the dev- opment of effective and consistent interfaces to management applications. Adopting these patterns across the industry could reduce the learning curve for software - velopers and allow service providers and systems integrators to rapidly and reliably deploy management solutions and thereby markedly reduce the integration tax.

THE MANAGEMENT OF TELECOMMUNICATIONS

BUSINESS SOLUTIONS TO BUSINESS PROBLEMS ENABLED BY VOICE AND DATA COMMUMNICATIONS

Irwin Professional Pub Rather than solely concentrating on the technology of telecommunications, Carr and Snyder's The Management of Telecommunications: Business Solutions to Business Problems 2/e caters more to the needs of today's business students. Management Of Telecommunications is the ideal textbook for exposing students to all facets of being a telecommunications end-user. It stresses the importance of the managerial decision-making side of telecommunications by applying the use of an integrated continuing case to illustrate key concepts and show the decision process. This book will provide business students with the technical vocabulary, technical understanding, and decision-making ability necessary to be an effective business telecommunications manager. Students using Carr and Snyder's book will lead the decision-making process by having an understanding of technology tradeoffs in relation to costs, marketing, customer service, and competition. Students will learn how telecommunications and telecommunications-intensive information systems, in particular, are part of the strategic, tactical, and operational decision processes of an organization.

MANAGEMENT OF TELECOMMUNICATIONS

BUSINESS SOLUTIONS TO BUSINESS PROBLEMS

MANAGEMENT SOLUTIONS FOR MESSAGE HANDLING SYSTEMS (MHS)

NETWORKS AND SERVICE

SECURITY MANAGEMENT OF NEXT GENERATION TELECOMMUNICATIONS NETWORKS AND SERVICES

John Wiley & Sons This book will cover network management security issues and currently available security mechanisms by discussing how network architectures have evolved into the contemporary NGNs which support converged services (voice, video, TV, interactive information exchange, and classic data communications). It will also analyze existing security standards and their applicability to securing network management. This book will review 21st century security concepts of authentication, authorization, confidentiality, integrity, nonrepudiation, vulnerabilities, threats, risks, and effective approaches to encryption and associated credentials management/control. The book will highlight deficiencies in existing protocols used for management and the transport of management information.

CUSTOMER-CENTERED TELECOMMUNICATIONS SERVICES MARKETING

Artech House Offering telecom service providers a survival strategy based on customer-centered marketing, this forward-looking resource helps strategic planners and managers assess their company's market potential and target desirable segments successfully.

THE IRWIN HANDBOOK OF TELECOMMUNICATIONS MANAGEMENT

McGraw Hill Professional Information and Solutions for Today's Telecommunications Systems Regardless of your industry, you'll find James Harry Green's The Irwin Handbook of Telecommunications Management, Third Edition an authoritative how-to solutions manual for every telecommunications management question. Now comprehensively revised and updated, this classic resource provides hands-on techniques for understanding today's major technological changes -- and incorporating them into your organization's telecom strategy. Covering the entire spectrum of 21st century telecommunications, the Handbook makes it easy to locate, understand, and implement: * Long-range planning, feasibility analysis, and forecasting * The selection and management of telecom equipment and services, writing and evaluating responses to RFPs, managing long distance services, and more * Management of a telecom facility -- including PBX and key telephone equipment, automatic call distributors, voice processing equipment, local area networks and Internets, wide area networks, convergence, and video and audio conferencing equipment * Specific techniques for effective cost containment * Telecommunications operations -- from fraud and disaster prevention to project management, quality control, security and more

INTEGRATED MANAGEMENT FROM E-BUSINESS PERSPECTIVE

CONCEPTS, ARCHITECTURES AND METHODOLOGIES

Springer Science & Business Media E-Business covers a broad spectrum of businesses based on the Internet, including e-commerce, e-healthcare, e-government and e tailing. While substantial attention is being given to the planning and development of e-business applications, the efficiency and effectiveness of e-business systems will largely depend on management solutions. These management solutions demand a good grasp of both the technical and business perspectives of an e-business service. There have been many books on the Internet based on e-commerce, Internet protocols, distributed components etc. However, none of these books address the problem of managing e business as a set of networked services. They do not link enterprise management with network and systems management. This book provides an overview of the emerging techniques for IT service management from a business perspective with case studies from telecommunication and healthcare sectors. It integrates the business perspective with relevant technical standards, such as SNMP, WBEM and DMI. This book presents some concepts and methodologies that enable the development of effective and efficient management systems for networked services. The book is intended to familiarize practicing managers, engineers, and graduate level students with networked service management concepts, architectures and methodologies with reference to evolving standards. It should be useful in a number of disciplines, such as business management, information systems, computers and networking, and telecommunications. Appendix 2 is based on TeleManagement (TM) Forum's documents on TOM (GB921,GB910 and GB908). While this appendix has explained the basic management concept of an e-telco, TMForum now recommends the use of eTOM as explained in www.tmforum.com. An overview of eTOM is available in the report The TeleManagement Forum's enhanced Telecom Operations Map (eTOM) by Michael Kelly appearing in the Journal of Network and Systems Management in March 2003.

CRC HANDBOOK OF MODERN TELECOMMUNICATIONS

CRC Press Addressing the most dynamic areas of the ever-changing telecommunications landscape, the second edition of the bestselling CRC Handbook of Modern Telecommunications once again brings together the top minds and industry pioneers in wireless communication networks, protocols, and devices. In addition to new discussions of radio frequency identification (RFID) and wireless sensor networks, including cognitive radio networks, this important reference systematically addresses network management and administration, as well as network organization and governance, topics that have evolved since the development of the first edition. Extensively updated and expanded, this second edition provides

new information on: Wireless sensor networks RFID Architectures Intelligent Support Systems Service delivery integration with the Internet Information life cycle and service level management Management of emerging technologies Web performance management Business intelligence and analytics The text details the latest in voice communication techniques, advanced communication concepts, network organization, governance, traffic management, and emerging trends. This comprehensive handbook provides telecommunications professionals across all fields with ready access to the knowledge they require and arms them with the understanding of the role that evolving technologies will play in the development of the telecommunications systems of tomorrow.

TMN

TELECOMMUNICATIONS MANAGEMENT NETWORK

McGraw-Hill Companies TMN is a network monitoring system that allows telecommunications providers to monitor every element of their networks. While TMN is a powerful tool for controlling telecommunication networks, it is difficult to manage. This is the book that helps telecommunications managers effectively use TMN.

SUPPORTING RURAL TELECOMMUNICATION NETWORKS VIA HUB CITIES

A COMPROMISE SOLUTIONS APPROACH

TELECOMMUNICATIONS DEREGULATION AND THE INFORMATION ECONOMY

Artech House A comprehensive economic examination of the global competitive restructuring that is now occurring as a result of the US Telecommunications Act 1996. The book guides the reader to the most effective methods of building and enhancing competitive advantage in new markets.

TELECOMMUNICATIONS AND IT CONVERGENCE. TOWARDS SERVICE E-VOLUTION

7TH INTERNATIONAL CONFERENCE ON INTELLIGENCE IN SERVICES AND NETWORKS, IS&N 2000, ATHENS, GREECE, FEBRUARY 23-25, 2000 PROCEEDINGS

Springer Creation Techniques for Software Development and Deployment, Agent-Based Management, Virtual Home Environment, Integrated and Scalable Solutions for Telecommunications Management. This shows that the issues related to communications management, architectures, and service creation are still of great interest, while the virtual home environment is emerging as a new key topic in IS&N. In summary, this book

reflects the state of the art in research on IS&N topics, with the focus mentioned above, not only from European Union co-funded projects (mainly in the ACTS programme), but also from research organisations around the globe. February 2000 Jaime Delgado George D. Stamoulis Alvin Mullery Didoe Prevedourou Keith Start Previous IS&N Conferences and Proceedings The first IS&N conference was organised in 1992 in Paris, France. Since then, the IS&N conferences have been held almost every year, with proceedings published as part of the Lecture Notes in Computer Science (LNCS) series of Springer-Verlag. These are as follows. "Towards a Pan-European Telecommunication Service Infrastructure - IS&N'94", Hans-Jiirgen Kugler, Al Mullery, Norbert Niebert (Eds.), Aachen, Germany, September 1994, LNCS 851, ISBN 3-540-58420-X. "Bringing Telecommunication Services to the People - IS&N'95", Anne Clarke, Mario Campolargo, Nikos Karatzas (Eds.), Heraklion, Greece, October 1995, LNCS 998, ISBN 3-540-60479-0. "Intelligence in Services and Networks: Technology for Cooperative Competition — IS&N'97\ Al Mullery, Michel Besson, Mario Campolargo, Roberta Gobbi, Rick Reed (Eds.), Cernobbio, Italy, May 1997, LNCS 1238, ISBN 3-540-63135-6.

NEXT GENERATION TELECOMMUNICATIONS NETWORKS, SERVICES, AND MANAGEMENT

John Wiley & Sons An unprecedented look into the present and future of next generation networks, services, and management in the telecommunications industry The telecommunications industry has advanced in rapid, significant, and unpredictable ways into the twenty-first century. Next Generation Telecommunications Networks, Services, and Management guides the global industry and academia even further by providing an in-depth look at current and developing trends, as well as examining the complex issues of developing, introducing, and managing cutting-edge telecommunications technologies. This is an orchestrated set of original chapters written expressly for this book by topic experts from around the globe. It addresses next generation technologies and architectures, with the focus on networks, services, and management. Key topics include: Opportunities and challenges of next generation telecommunications networks, services, and management Tri/Quad Play and IP-based networks and services Fault, Configuration, Accounting, Performance, and Security (FCAPS) requirements Convergence and an important convergence vehicle, IP Multimedia Subsystem (IMS) Next generation operations and network management architecture Ad hoc wireless and sensor networks and their management Next generation operations and network management standards from a strategic perspective A defining look at the future in this field This book will serve as a contemporary reference for the growing global community of telecommunication and information professionals in industry, government, and academia. It will be important to faculty and graduate students of

telecommunications as a graduate textbook.

PLUNKETT'S TELECOMMUNICATIONS INDUSTRY ALMANAC 2008: TELECOMMUNICATIONS INDUSTRY MARKET RESEARCH, STATISTICS, TRENDS & LEADING COMPANIES

Plunkett Research, Ltd. Plunkett's Telecommunications Industry Almanac 2008 is the only complete reference guide to the telecommunications technologies and companies that are changing the way the world communicates today. This massive reference book's market research section provides complete access to the U.S. telecommunications and communications industry. This section includes over a dozen major statistical tables covering everything from revenues for the fixed line and wireless service sectors, to the number of telephone subscribers worldwide, to telephone equipment import and export market numbers. Finally, in this carefully-researched volume, you will receive an abundance of data on: national and global telecommunications statistics, new telecommunications technology, telecommunications market forecasts, telecommunications trends and leading telecommunications companies. In the corporate profiles section, you'll receive vital details on the "Telecommunications 500 Firms," the largest, most successful corporations in all facets of the telecommunications business. These in-depth profiles include corporate name, address, phone, fax, web site, growth plans, competitive advantage, financial histories and up to 27 executive contacts by title. You will also find information regarding local exchange and long distance telephone service markets and trends, wireless and cellular telephone markets and trends, satellite telecommunications, Wi-Fi, telephone industry equipment, software and support. Telecommunications is one of the fastest-growing and most dynamic industries in the world today, and Plunkett's Telecommunications Industry Almanac will be your guide to this rapidly-changing business. Purchasers of the printed book or PDF version may receive a free CD-ROM database of the corporate profiles, enabling export of vital corporate data for mail merge and other uses.

AMERICAN NATIONAL STANDARD FOR TELECOMMUNICATIONS

ALARM SURVEILLANCE IN A TELECOMMUNICATIONS MANAGEMENT NETWORK (TMN)

THE CRC HANDBOOK OF MODERN TELECOMMUNICATIONS

CRC Press This authoritative handbook, contributed to by a team of international experts, covers the most dynamic areas in the changing telecommunications landscape. Written for telecommunications specialists who implement the new technologies, The CRC Handbook of Modern Telecommunications is an excellent companion volume to the authors' The Telecommunicatio

BUSINESS MANAGEMENT OF TELECOMMUNICATIONS

Prentice Hall With the increasing necessity of today¿s use of telecommunications technologies, businesses need to manage their telecommunications machines effectively to derive the benefits of telecommunication technology. This book provides readers with the knowledge to develop both strong business management and technology skills necessary to become successful telecommunications managers. Combines both topics of business management and technology management skills by using business management tools and techniques to manage a company¿s telecommunications function, thereby maximizing benefits and minimizing associated costs. A reference manual for individuals working in the telecommunications field.

HANDBOOK OF RESEARCH ON TELECOMMUNICATIONS PLANNING AND MANAGEMENT FOR BUSINESS

IGI Global "This book provides original, in-depth, and innovative articles on telecommunications policy, management, and business applications"-- Provided by publisher.

PLUNKETT'S TELECOMMUNICATIONS INDUSTRY ALMANAC 2009

Plunkett Research, Ltd. A market research guide to the telecommunications industry. It offers a tool for strategic planning, competitive intelligence, employment searches or financial research. It includes a chapter of trends, statistical tables, and an industry-specific glossary. It provides profiles of the 500 biggest, companies in the telecommunications industry.

OSS ESSENTIALS

SUPPORT SYSTEM SOLUTIONS FOR SERVICE PROVIDERS

John Wiley & Sons Incorporated A guide to mastering one of the most strategically critical aspects of any telecommunications, ISP, or ASP business Operational Support Systems (OSS) refers to the technical infrastructure that enables telecommunications companies, ISPs, ASPs, and CLECs to provide services directly to customers. In this important book, author Kornel Terplan draws upon his 25 years of experience as a top global telecommunications consultant to provide telecom operations managers and developers with the expert information and guidance they need to make strategic decisions about OSS in their companies. He reviews protocols and technology for service support, explores best practices for service development and provisioning, and provides expert guidance on tools and human resources for the technical service provider. Throughout, Terplan's approach to teaching OSS principles and practices is to present a real business problem and then walk you through the best solution.

THE DOW JONES-IRWIN HANDBOOK OF TELECOMMUNICATIONS MANAGEMENT

Irwin Professional Publishing Information and Solutions for Today's Telecommunications Systems Regardless of your industry, you'll find James Harry Green's The Irwin Handbook of Telecommunications Management, Third Edition an authoritative how-to solutions manual for every telecommunications management question. Now comprehensively revised and updated, this classic resource provides hands-on techniques for understanding today's major technological changes -- and incorporating them into your organization's telecom strategy. Covering the entire spectrum of 21st century telecommunications, the Handbook makes it easy to locate, understand, and implement: * Long-range planning, feasibility analysis, and forecasting * The selection and management of telecom equipment and services, writing and evaluating responses to RFPs, managing long distance services, and more * Management of a telecom facility -- including PBX and key telephone equipment, automatic call distributors, voice processing equipment, local area networks and Internets, wide area networks, convergence, and video and audio conferencing equipment * Specific techniques for effective cost containment * Telecommunications operations -- from fraud and disaster prevention to project management, quality control, security and more

THE TELECOM MANAGER'S SURVIVAL GUIDE

THE ESSENTIAL REFERENCE FOR TELECOMMUNICATIONS SYSTEMS, SOLUTIONS, AND COST CONTROL

Amacom Books "Between phones, networks, equipment, and vendors, being a telecom manager can be a difficult task. Using four companies' actual experiences as case studies, The Telecom Manager's Survival Guide presents an easily understandable method for lining up the best possible services, putting the right tools in place, and saving the business money. The book takes a practical approach, providing a proactive system for: * Project management for the implementation of new services * Trouble resolution for equipment * Billing audit and reviews * Strategic planning for the future The Telecom Manager's Survival Guide is an important resource for anyone taking charge of their organization's telecommunications initiatives."

STRATEGIES FOR SUCCESS IN THE NEW TELECOMMUNICATIONS MARKETPLACE

Artech House Publishers In today's crowded and confusing telecom marketplace, determining the right strategic direction is the key to differentiating your company from the pack and to attracting and retaining the best customers. Here's the book that helps you do just that!

MARKETING TELECOMMUNICATIONS SERVICES

NEW APPROACHES FOR A CHANGING ENVIRONMENT

Artech House Publishers Gain the leading-edge intelligence and insight needed to market telecommunications services successfully amidst greater competition from local exchange companies, deregulation of long-distance services, and the proliferation of wireless technology with this first-of-its-kind resource. Whether you're a novice or veteran marketing professional, you find valuable guidance in developing the most effective marketing strategies, improving market readiness, and increasing profitability in this rapidly expanding marketplace. Specifically, you get comprehensive coverage of fundamental marketing concepts, competitive intelligence and insight on the marketing activities of telecommunications carriers, descriptions of the changes caused by deregulation, and implementation instructions for marketing strategies in channel selection, entry, market segmentation, pricing, and more.

OSS FOR TELECOM NETWORKS

AN INTRODUCTION TO NETWORK MANAGEMENT

Springer Science & Business Media Places OSS software in the context of telecommunications as a business Gives a concrete understanding of what OSS is, what it does and how it does it, avoiding deep technical details Frequently relates OSS software to business drivers of telecom service providers

MANAGEMENT OF MULTIMEDIA NETWORKS AND SERVICES

Springer With the continual growth in telecommunication services in today's multimedia environment, reliability and control are essential elements in the provision of services. This book addresses the need for an integration of service and management in multimedia networks in order to facilitate greater accuracy and quality in the services provided. The book aims to disseminate all facets of network and service management in broadband networks and multimedia services while providing an overview of state-of-the-art research and implementation experiences in the field.

PLUNKETT'S TELECOMMUNICATIONS INDUSTRY ALMANAC 2007

TELECOMMUNICATIONS INDUSTRY MARKET RESEARCH, STATISTICS, TRENDS & LEADING COMPANIES

Plunkett Research, Ltd. Presents a market research guide to the telecommunications industry - a tool for strategic planning, competitive intelligence or financial research. This title includes a chapter of trends, statistical tables, and an industry-specific glossary. It provides profiles of the 500 companies in various facets of the telecommunications industry.

DNS SECURITY MANAGEMENT

John Wiley & Sons An advanced Domain Name System (DNS) security resource that explores the operation of DNS, its vulnerabilities, basic security approaches, and mitigation strategies DNS Security Management offers an overall role-based security approach and discusses the various threats to the Domain Name Systems (DNS). This vital resource is filled with proven strategies for detecting and mitigating these all too frequent threats. The authors—noted experts on the topic—offer an introduction to the role of DNS and explore the operation of DNS. They cover a myriad of DNS vulnerabilities and include preventative strategies that can be implemented. Comprehensive in scope, the text shows how to secure DNS resolution with the Domain Name System Security Extensions (DNSSEC). In addition, the text includes discussions on security applications facility by DNS, such as anti-spam, SPF, DANE and related CERT/SSHFP records. This important resource: Presents security approaches for the various types of DNS deployments by role (e.g., recursive vs. authoritative) Discusses DNS resolvers including host access protections, DHCP configurations and DNS recursive server IPs Examines DNS data collection, data analytics, and detection strategies With cyber attacks ever on the rise worldwide, DNS Security Management offers network engineers a much-needed resource that provides a clear understanding of the threats to networks in order to mitigate the risks and assess the strategies to defend against threats.

BUSINESS SERVICE 36 SUCCESS SECRETS - 36 MOST ASKED QUESTIONS ON BUSINESS SERVICE - WHAT YOU NEED TO KNOW

Emereo Publishing A source of Business Service inspiration. There has never been a Business Service Guide like this. It contains 36 answers, much more than you can imagine; comprehensive answers and extensive details and references, with insights that have never before been offered in print. Get the information you need--fast! This all-embracing guide offers a thorough view of key knowledge and detailed insight. This Guide introduces what you want to know about Business Service. A quick look inside of some of the subjects covered: HP Software Division - Business service management software, Business Service Management - Service Management, NHS Business Services Authority - Help with Health Costs, Orange Business Services - Services and solutions, Steria - NHS Shared Business Services, Business service provider - Further reading, Business Service Management - Compared to traditional network monitoring, Comcast Business Services, Air Traffic Organization - Acquisition and Business Services, NHS Business Services Authority - Services, Royal Mail - Business services, Orange Business Services - Case studies, IBM Global Services - IBM Global Business Services, Business Service Management - BSM Technology Tools, Orange Business Services - Evolution of business services arm of France Telecom: 2000 - 2006, Oce - Business Services, Holiday Inn Express - Business Services, NHS Business Services Authority -

Counter Fraud Service, Orange (telecommunications) - Business services, HP Software & Solutions - Business service management software, Business Service Management - Business Services and IT Services, American Express - Small business services (also known as American Express OPEN), Orange (company) - Business services, Time Warner Cable - Business services, Orange Business Services - Launch of Orange Business Services: 2006 - present, and much more...

SECURITY FOR TELECOMMUNICATIONS NETWORK MANAGEMENT

Wiley-IEEE Press This book provides an intuitive introduction to TMN. While it covers the full breadth of the TMN at a high level, it delves into technical details that are relevant to security. It provides an easy yet comprehensive discussion of the security mechanisms used to protect the TMN and shows how to integrate security of network management, the management of security-related information and network operations.

CLOUD SERVICES, NETWORKING, AND MANAGEMENT

John Wiley & Sons Cloud Services, Networking and Management provides a comprehensive overview of the cloud infrastructure and services, as well as their underlying management mechanisms, including data center virtualization and networking, cloud security and reliability, big data analytics, scientific and commercial applications. Special features of the book include: State-of-the-art content Self-contained chapters for readers with specific interests Includes commercial applications on Cloud (video services and games)

CABLE NETWORKS, SERVICES, AND MANAGEMENT

John Wiley & Sons This is the first book describing cable networks, services, and their management in greater detail by thirteen experts in various fields covering network architectures and services, operations, administration, maintenance, provisioning, troubleshooting (OAMPT) for residential services; network architectures, services, and OAMPT for business services; Software Defined Networks (SDN) and Virtualization concepts Comprehensive reference book useful for people working for a multiple systems operator Includes chapter introductions Written by 13 experts in various fields such as network services and soft defined networks

TELECOM MANAGEMENT CRASH COURSE

MANAGING AND SELLING TELECOM SERVICES AND PRODUCTS

McGraw Hill Professional The period of effortless, double-digit growth and skyrocketing capitalization for telecom carriers is over! The long-term telecommunications market potential is still enormous, but getting there now requires a sharp business and technology savvy. In this resource, P.J.

Louis shows telecom service providers how to efficiently manage their technology advantages and back-end operations to survive in this challenging economic climate. * Basics of billing: staying alive * Short, smart biz and tech strategies for tough times in telecom * Using CRM (Customer Relationship Management) to drive business * How to manage regulatory uncertainty * How globalization affects every carrier

COMMUNICATION NETWORKS AND SERVICE MANAGEMENT IN THE ERA OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

John Wiley & Sons COMMUNICATION NETWORKS AND SERVICE MANAGEMENT IN THE ERA OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING Discover the impact that new technologies are having on communication systems with this up-to-date and one-stop resource Communication Networks and Service Management in the Era of Artificial Intelligence and Machine Learning delivers a comprehensive overview of the impact of artificial intelligence (AI) and machine learning (ML) on service and network management. Beginning with a fulsome description of ML and AI, the book moves on to discuss management models, architectures, and frameworks. The authors also explore how AI and ML can be used in service management functions like the generation of workload profiles, service provisioning, and more. The book includes a handpicked selection of applications and case studies, as well as a treatment of emerging technologies the authors predict could have a significant impact on network and service management in the future. Statistical analysis and data mining are also discussed, particularly with respect to how they allow for an improvement of the management and security of IT systems and networks. Readers will also enjoy topics like: A thorough introduction to network and service management, machine learning, and artificial intelligence An exploration of artificial intelligence and machine learning for management models, including autonomic management, policy-based management, intent based management, and network virtualization-based management Discussions of AI and ML for architectures and frameworks, including cloud systems, software defined networks, 5G and 6G networks, and Edge/Fog networks An examination of AI and ML for service management, including the automatic generation of workload profiles using unsupervised learning Perfect for information and communications technology educators, Communication Networks and Service Management in the Era of Artificial Intelligence and Machine Learning will also earn a place in the libraries of engineers and professionals who seek a structured reference on how the emergence of artificial intelligence and machine learning techniques is affecting service and network management.

TELECOMMUNICATIONS CONVERGENCE

BRIDGING THE GAP BETWEEN TECHNOLOGIES AND SERVICES

McGraw-Hill Telecom Portable C Here is a profit-making blueprint for advancement in the convergence marketplace and the first book to address all of the issues that telecom providers--and customers--must confront to meet customer challenges. The book covers all aspects of telecommunications convergence, including not only the technologies themselves but the management, marketing, and business aspects of the telecommunications industry.This new edition, featuring nearly 200 pages of revised material, details the toll convergence has taken on the industry, how the fleetest companies are responding to it, and presents a best practices guide to staying afloat. Delivering the right service, at the right time, regardless of the underlying technology has never been easier! * Top Ten industry bestseller * Provides a blueprint for surviving in the difficult, converged market * Shows how smart companies are thriving * Website provides monthly updates.

IP ADDRESS MANAGEMENT

John Wiley & Sons This new edition discusses IP address management (IPAM) needs and methods that have evolved over the past decade. Such evolution includes mainstream use of private and public cloud services, maturation of IPv6 implementations, increased interest in DNS security approaches, and proliferation of Internet of Things (IoT) devices. These broad trends are serving to broaden the IPAM purview of network managers. The book begins with a basic overview of IP networking, including a discussion of protocol layering, addressing, and routing. After a review of the IP address management (IPAM) technologies, the book introduces the major components, motivation, benefits, and basic approaches of IPAM.

MANAGEMENT OF DATA CENTER NETWORKS

John Wiley & Sons MANAGEMENT OF DATA CENTER NETWORKS Discover state-of-the-art developments in DCNs from leading international voices in the field In Management of Data Center Networks, accomplished researcher and editor Dr. Nadjib Aitsaadi delivers a rigorous and insightful exploration of the network management challenges that present within intra- and inter-data center networks, including reliability, routing, and security. The book also discusses new architectures found in data center networks that aim to minimize the complexity of network management while maximizing Quality of Service, like Wireless/Wired DCNs, server-only DCNs, and more. As DCNs become increasingly popular with the spread of cloud computing and multimedia social networks employing new transmission technologies like 5G wireless and wireless fiber, the editor provides readers with chapters written by world-leading authors on topics like routing, the reliability of inter-data center networks, energy

management, and security. The book also offers: A thorough overview of the architectures of data center networks, including the classification of switch-centric, server-centric, enhanced, optical, and wireless DCN architectures An exploration of resource management in wired and wireless data center networks, including routing and wireless channel allocation and assignment challenges and criteria Practical discussions of inter-data center networks, including an overview of basic virtual network embedding Examinations of energy and security management in data center networks Perfect for academic and industrial researchers studying the optimization of data center networks, Management of Data Center Networks is also an indispensable guide for anyone seeking a one-stop resource on the architectures, protocols, security, and tools required to effectively manage data centers.