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Telecommunications Regulation Handbook Springer Nature
Practicing business with a conscience leaves no sector untouched. It trickles into how we treat our employees; approach our work in general; address stakeholders; engage in accounting, financial, and production management practices; implement and manage information technology; communicate on a direct and indirect basis; and market what we stand for. Business has encountered an interesting evolution in the first two decades of the twenty-first century, with social media as a catalyst aiding greater understanding and improvement regarding the critical value of soft skills, workplace diversity, change readiness, moral responsibility, sustainable awareness, and a general socially responsible mindset. This amalgamate spirit of business as we envision it in both the near and far future has found its way in all segments of business education, research, and practice. Adhering to the global trend of increased responsibility and evoking a constructive change in the narrative of business, this Research Companion serves as a critical reference work for business scholars and practitioners in various settings. It brings together contributing scholars from multiple business areas, from a variety of cultures and locations of the world, in order to achieve the compilation of a reference work that will find an expansive appeal. Including insights from the broad business spectrum ranging from internal managerial

practices to strategic applications, including international sensitivity, this volume highlights the urgency for increased awareness in business decision-making on all fronts. It will be of great value to researchers, academics, practitioners, and students in the fields of corporate social responsibility, business ethics, leadership, organizational studies, and entrepreneurship.
Intellectual Property Rights Springer Science & Business Media
"This reference set provides a complete understanding of the development of applications and concepts in clinical, patient, and hospital information systems"--Provided by publisher.
Digital Transformation in Business and Society National Academies Press
This book presents the fundamentals of wireless communications and services, explaining in detail what RF spectrum management is, why it is important, which are the authorities regulating the use of spectrum, and how is it managed and enforced at the international, regional and national levels. The book offers insights to the engineering, regulatory, economic, legal, management policy-making aspects involved. Real-world case studies are presented to depict the various approaches in different countries, and valuable lessons are drawn. The topics are addressed by engineers, advocates and economists employed by national and international spectrum regulators. The book is a tool that will allow the international regional and national regulators to better manage the RF spectrum, and will help operators and suppliers of wireless communications to better understand their regulators.
Principles of Health Interoperability HL7 and SNOMED Springer
This unique book provides a fully revised and up-to-date treatment of the TTCN-3 language TTCN-3 is an internationally standardised test language with a powerful textual syntax which has established itself as a global, universal testing language. Application of TTCN-3 has been widened beyond telecommunication systems to areas such as the automotive industry, internet protocols, railway signalling, medical systems, and avionics. An Introduction to TTCN-3 gives a solid introduction to the TTCN-3 language and its uses, guiding readers though the TTCN-3 standards, methodologies and tools with examples and advice based on the authors' extensive real-world experience. All the important concepts and constructs of the language are explained in a

step-by-step, tutorial style, and the authors relate the testing language to the overall test system implementation, giving the bigger picture. This second edition of the book has been updated and revised to cover the additions, changes and extensions to the TTCN-3 language since the first version was published. In addition, this book provides new material on the use of XML, test framework design and LTE testing with TTCN-3 Key Features: Provides a fully revised and up-to-date look at the TTCN-3 language Addresses language standardization, tool implementation and applying TTCN-3 in real world scenarios such as VoIP and LTE testing Explores recent advances such as TTCN-3 core language extensions on type parameterization, behavior types, real time and performance testing Introduces the use of ASN.1 and XML with TTCN-3 Written by experts in the field Includes an accompanying website containing code samples and links to the relevant standards documents (www.wiley.com/go/willcock_ttcn-3_2e) This book is an ideal reference for test engineers, software developers, and standards professionals. Graduate students studying telecommunications and software engineering will also find this book insightful.
India, a Reference Annual IntechOpen
The digital traces that people leave behind as they conduct their daily lives provide a powerful resource for businesses to better understand the dynamics of an otherwise chaotic society. Digital technologies have become omnipresent in our lives and we still do not fully know how to make the best use of the data these technologies could harness. Businesses leveraging big data appropriately could definitely gain a sustainable competitive advantage. With a balanced mix of texts and cases, this book discusses a variety of digital technologies and how they transform people and organizations. It offers a debate on the societal consequences of the yet unfolding technological revolution and proposes alternatives for harnessing disruptive technologies for the greater benefit of all. This book will have wide appeal to academics in technology management, strategy, marketing, and human resource management.
Global IPv6 Strategies IGI Global

This book presents the fundamentals of wireless communications and services, explaining in detail what RF spectrum management is, why it is important, which are the authorities regulating the use of spectrum, and how is it managed and enforced at the international, regional and national levels. The book offers insights to the engineering, regulatory, economic, legal, management policy-making aspects involved. Real-world case studies are presented to depict the various approaches in different countries, and valuable lessons are drawn. The topics are addressed by engineers, advocates and economists employed by national and international spectrum regulators. The book is a tool that will allow the international regional and national regulators to better manage the RF spectrum, and will help operators and suppliers of wireless communications to better understand their regulators.

MITRE Systems Engineering Guide John Wiley & Sons
This book provides an introduction to health interoperability and the main standards used. Health interoperability delivers health information where and when it is needed. Everybody stands to gain from safer more soundly based decisions and less duplication, delays, waste and errors. The third edition of Principles of Health Interoperability includes a new part on FHIR (Fast Health Interoperability Resources), the most important new health interoperability standard for a generation. FHIR combines the best features of HL7's v2, v3 and CDA while leveraging the latest web standards and a tight focus on implementability. FHIR can be implemented at a fraction of the price of existing alternatives and is well suited for use in mobile phone apps, cloud communications and EHRs. The book is organised into four parts. The first part covers the principles of health interoperability, why it matters, why it is hard and why models are an important part of the solution. The second part covers clinical terminology and SNOMED CT. The third part covers the main HL7 standards: v2, v3, CDA and IHE XDS. The new fourth part covers FHIR and has been contributed by Grahame Grieve, the original FHIR chief.

Standards for Educational and Psychological Testing Routledge
To advance education about ICT standardization, comprehensive and up-to-date teaching materials must be available. With the support of the European Commission, ETSI has developed this textbook to facilitate education on ICT standardization, and to raise the knowledge level of ICT standardization-related topics among lecturers and students in higher education, in particular in the fields of engineering, business administration and law. Readers of this book are not required to have any previous knowledge about standardization. They are introduced firstly to the key concepts of standards and standardization, different elements of the ecosystem and how they interact, as well as the procedures required for the production of standardization documents. Then, readers are taken to the next level by addressing aspects related to standardization such as innovation, strategy, business, and economics. This textbook is an attempt to make ICT standardization accessible and understandable to students. It covers the essentials that are required to get a good overview of the field. The book is organized in chapters that are self-contained, although it would be advantageous to read the book from cover to cover. Each chapter begins with a list of learning objectives and key messages. The text is enriched with examples and case studies from real standardization practice to illustrate the key theoretical concepts. Each chapter also includes a quiz to be used as a self-assessment learning activity. Furthermore, each book chapter includes a glossary and lists of abbreviations and references. Alongside the textbook, we have produced a set of slides that are intended to serve as complementary teaching materials in face-to-face teaching sessions. For all interested parties there is also an electronic version of the textbook as well as the accompanying slides that can be downloaded for free from the ETSI website (www.etsi.org/standardization-education).

Radio Spectrum Management BoD – Books on Demand
Biometric recognition-the automated recognition of individuals based on their behavioral and biological characteristic-is promoted as a way to help identify terrorists, provide better control of access to physical facilities and financial accounts, and increase the efficiency of access to services and their utilization. Biometric recognition has been applied to identification of criminals, patient tracking in medical informatics, and the personalization of social services, among other things. In spite of substantial effort, however, there remain unresolved questions about the effectiveness and management of systems for biometric recognition, as well as the appropriateness and societal impact of their use. Moreover, the general public has been exposed to biometrics largely as high-technology gadgets in spy thrillers or as fear-instilling instruments of state or corporate surveillance in speculative fiction. Now, as biometric technologies appear poised for broader use, increased concerns about national security and the tracking of individuals as they cross borders have caused passports, visas, and border-crossing records to be linked to biometric data. A focus on fighting insurgencies and terrorism has led to the military deployment of biometric tools to enable recognition of individuals as friend or foe. Commercially, finger-imaging sensors, whose cost and physical size have been reduced, now appear on many laptop personal computers, handheld devices, mobile phones, and other consumer devices. Biometric Recognition: Challenges and Opportunities addresses the issues surrounding broader implementation of this technology, making two main points: first, biometric recognition systems are incredibly complex, and need to be addressed as such. Second, biometric recognition is an inherently probabilistic endeavor. Consequently, even when the technology and the system in which it is embedded are behaving as designed, there is inevitable uncertainty and risk of error. This book elaborates on these themes in detail to provide policy makers, developers, and researchers a comprehensive assessment of biometric recognition that examines current capabilities, future possibilities, and the role of government in technology and system development.

World Telecommunication Development Conference
Cisco Press
Listing over 10,000 entries, Harrod's Librarians' Glossary and Reference Book spans everything from traditional printing terms to search engines and from book formats to URLs. Revisions for this tenth edition have centred in particular on the Information Society and its ramifications, on the general shift towards electronic resources, and on e-commerce, e-learning and e-government, whilst at the same time maintaining key

areas predating the IT revolution. Web terminology, URLs and IT terms have been checked and updated, and coverage of terms relating to digitization and digital resources, portals, multimedia and electronic products has been revised or expanded as necessary. Harrod's Glossary now includes Knowledge Management terms, and this edition has also focused on developments in the field of intellectual property, copyright, patents, privacy and piracy. It gives wide international coverage of names, addresses and URLs of major libraries and other important organizations in the information sector, of professional associations, fellowships, networks, government bodies, projects and programmes, consortia and institutions, influential reports and other key publications. Entries are included on classification and file coding, on records management and archiving and on both the latest and the most enduring aspects of library and information skills. Even with the Web at your fingertips Harrod's Librarians' Glossary and Reference Book remains a quicker reference for explaining specialist terms, jargon and acronyms, and for finding the URLs you need, whether you are working in a print-based or digital library, in archiving, records management, conservation, bookselling or publishing.

Alfresco CMIS John Wiley & Sons
Joined-up healthcare makes information available when and where it is needed to improve safety, efficiency and effectiveness. Politicians may take interoperability between healthcare computer systems for granted, but it is non-trivial. Healthcare integration projects are notoriously under-estimated and come in over-budget and over-time. Joined-up healthcare depends on standards. The two leading standards are the SNOMED CT, which is a clinical terminology (semantics) and HL7 Version 3, which is a specialised healthcare interoperability language (syntax). Both are new, complex and fit for purpose. Tim Benson believes there is an unmet need for a book on Healthcare Integration. Some health informatics textbooks include chapters on HL7 and/or SNOMED, but these are usually quite short and cannot provide even an adequate introduction. There is little of much value on the Internet, or in journals or conference proceedings.

The Design Thinking Playbook Packt Publishing Ltd
A radical shift in perspective to transform your organization to become more innovative The Design Thinking Playbook is an actionable guide to the future of business. By stepping back and questioning the current mindset, the faults of the status quo stand out in stark relief—and this guide gives you the tools and frameworks you need to kick off a digital transformation. Design Thinking is about approaching things differently with a strong user orientation and fast iterations with multidisciplinary teams to solve wicked problems. It is equally applicable to (re-)design products, services, processes, business models, and ecosystems. It inspires radical innovation as a matter of course, and ignites capabilities beyond mere potential. Unmatched as a source of competitive advantage, Design Thinking is the driving force behind those who will lead industries through transformations and evolutions. This book describes how Design Thinking is applied across a variety of industries, enriched with other proven approaches as well as the necessary tools, and the knowledge to use them effectively. Packed with solutions for common challenges including digital transformation, this practical, highly visual discussion shows you how Design Thinking fits into agile methods within management, innovation, and startups. Explore the digitized future using new design criteria to create real value for the user Foster radical innovation through an inspiring framework for action Gather the right people to build highly-motivated teams Apply Design Thinking, Systems Thinking, Big Data Analytics, and Lean Start-up using new tools and a fresh new perspective Create Minimum Viable Ecosystems (MVEs) for digital processes and services which becomes for example essential in building Blockchain applications Practical frameworks, real-world solutions, and radical innovation wrapped in a whole new outlook give you the power to mindfully lead to new heights. From systems and operations to people, projects, culture, digitalization, and beyond, this invaluable mind shift paves the way for organizations—and individuals—to do great things. When you're ready to give your organization a big step forward, The Design Thinking Playbook is your practical guide to a more innovative future.

Toward a Theory of Spacepower: Selected Essays Springer Science & Business Media
The book will show readers how to use Alfresco's implementation of CMIS through a tutorial-based approach. It also has plenty of examples to help illustrate the concepts that you will learn. If you are a developer who wants to learn how to build applications that talk to content management servers in a standard way using CMIS, this book is ideal for you. It will be helpful if you have a bit of programming experience, although it is not necessary.

MHealth John Wiley & Sons
[Vol. 2:] contributions from representatives of international and regional organizations and telecommunication operators and manufacturers / official statements and addresses.

Twelfth International Conference on Information Networking, (ICOIN-12), Koganei, Tokyo, Japan, January 21-23, 1998 Institute of Electrical & Electronics Engineers(IEEE)
"Prepared by the Joint Committee on Standards for Educatioanl and Psychological Testing of the American Educational Research Association, American Psychological Association and National Council on Measurement in Education"--T.p. verso.

Collection of the Basic Texts of the International Telecommunication Union John Wiley & Sons
Innovation in information and communication technology (ICT) fuels the growth of the global economy. How ICT markets evolve depends on politics and policy, and since the 1950s periodic overhauls of ICT policy have transformed competition and innovation. For example, in the 1980s and the 1990s a revolution in communication policy (the introduction of sweeping competition) also transformed the information market. Today, the diffusion of Internet, wireless, and broadband technology, growing modularity in the design of technologies, distributed computing infrastructures, and rapidly changing business models signal another shift. This pathbreaking examination of ICT from a political economy perspective argues that continued rapid innovation and economic growth require new approaches in global governance that will reconcile diverse interests and enable competition to flourish. The authors (two of whom were architects of international ICT policy reforms in the 1990s) discuss this crucial turning point in both theoretical and practical terms.

Harrod's Librarians' Glossary and Reference Book Routledge Network Business Series Justify Your Network Investment

The definitive guide to IPv6 decision making for non-technical business leaders Every year, organizations rely on Internet applications and services more deeply—and every year, Internet infrastructure grows more powerful and complex. As the limitations of traditional IPv4 addressing become increasingly apparent, many decision makers recognize that a transition to IPv6 is needed far sooner than anticipated. Global IPv6 Strategies gives non-technical decision makers the information to plan and execute an orderly, efficient migration to IPv6—and reap the business benefits. This book's authors offer practical scenarios, proven best practices, and real-world case studies drawn from their unsurpassed experience helping enterprises and service providers move to IPv6. Writing for non-technical decision makers, they systematically review the costs, benefits, impacts, and opportunities associated with IPv6 migration. Their insights and strategies can help you address both the technical side of IPv6 and the rarely discussed organizational issues that can make or break your transition. Patrick Grossetete, manager of Product Management at Cisco®, is responsible for key Cisco IOS® software technologies including IPv6 and IP Mobility. A member of the IPv6 Forum Technical Directorate, he has been honored with the IPv6 Forum Internet Pioneer Award. Ciprian P. Popoviciu, PhD, CCIE® No. 4499, technical leader at Cisco, focuses on architecting, designing, and testing large IPv6 network deployments for service providers and enterprises worldwide. Grossetete and Popoviciu co-authored Deploying IPv6 Networks (Cisco Press). Fred Wettling manages architecture and strategic planning for Bechtel. Wettling is a member of the IEEE, North American IPv6 Task Force, and IPv6 Forum; directs the IPv6 Business Council; chaired the Network Applications Consortium (NAC); and served on the President's National Security Telecommunications Advisory Committee Next Generation Network Task Force. Understand how efficient IP communications are rapidly becoming even more central to business and economic growth. Get past the "IPv4 vs. IPv6" myths that prevent effective decision making and planning. Objectively assess the constraints of existing IPv4 infrastructures—and learn how IPv6 can overcome them. Develop and analyze the business case for IPv6—with help from real-world, never-before-published case studies. Identify hidden business opportunities IPv6 can unleash. Choose the optimal IPv6 adoption strategy for your enterprise or organization. Learn realistic best practices for planning successful migrations This volume is in the Network Business Series offered by Cisco Press®. Books in this series provide IT executives, decision makers, and networking professionals with pertinent information about today's most important technologies and business strategies. Category: Networking Technology Covers: IPv6

Standards for the Sustainable Development Goals Smashbooks

The use of mobile and wireless technologies to support the achievement of health objectives (mHealth) has the potential to transform the face of health service delivery across the globe. A powerful combination of factors is driving this change. These include rapid advances in mobile technologies and applications, a rise in new opportunities for the integration of mobile health into existing eHealth services, and the continued growth in coverage of mobile cellular networks. According to the International Telecommunication Union (ITU), there are now over 5 billion wireless subscribers; over 70% of them reside in low- and middle-income countries. For the first time the World Health Organization's Global Observatory for eHealth (GOe) has sought to determine the status of mHealth in Member States; its 2009 global survey contained a section specifically devoted to mHealth. Completed by 114 Member States, the survey documented for analysis four aspects of mHealth: adoption of initiatives, types of initiatives, status of evaluation, and barriers to implementation. Fourteen categories of mHealth services were surveyed: health call centres, emergency toll-free telephone services, managing emergencies and disasters, mobile telemedicine, appointment reminders, community mobilization and health promotion, treatment compliance, mobile patient records, information access, patient monitoring, health surveys and data collection, surveillance, health awareness raising, and decision support systems.

Electronic Communication Equipment John Wiley & Sons "Since the fourth edition of this book was published, the field has seen continued innovations and improvements. In this new edition, we try to capture these changes while maintaining a broad and comprehensive coverage of the entire field. There have been a number of refinements to improve pedagogy and user-friendliness, updated references, and mention of recent security incidents, along with a number of more substantive changes throughout the book"--

Transforming Global Information and Communication Markets World Economic Forum
In the last decades the restless evolution of information and communication technologies (ICT) brought to a deep transformation of our habits. The growth of the Internet and the advances in hardware and software implementations modified our way to communicate and to share information. In this book, an overview of the major issues faced today by researchers in the field of radio communications is given through 35 high quality chapters written by specialists working in universities and research centers all over the world. Various aspects will be deeply discussed: channel modeling, beamforming, multiple antennas, cooperative networks, opportunistic scheduling, advanced admission control, handover management, systems performance assessment, routing issues in mobility conditions, localization, web security. Advanced techniques for the radio resource management will be discussed both in single and multiple radio technologies; either in infrastructure, mesh or ad hoc networks.