Telecommunications Essentials: The Complete Global Source for Communications Fundamentals, Data Networking and the Internet, and Next-Generation Networks

By Lillian Goleniewski

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Whether you're new to telecommunications and IT or simply want an understandable, comprehensive review of the state-of-the-art, this book is for you. Leading telecommunications trainer and consultant Lillian Goleniewski combines clear explanations of fundamental principles with in-depth, up-to-the minute coverage of networking and the Internet. More than competitive guides, Telecommunications Essentials combines the global breadth and technical depth readers need to truly master telecommunications. Telecommunications Essentials covers the entire spectrum of telecommunications technology and services, current and emerging: telephony (voice networks), IP telephony, data networks, broadband, cable, xDSL, wireless, the PSTN (Public Switched Telephone Network), pervasive computing, Quality of Service, and much more. The book is supported by a telecommunications knowledge Web portal delivering over 5,500 key telecom and Internet technology resources. For every professional who needs to understand telecommunications, including IT professionals, business decision-makers, marketers, salespeople, public relations professionals, investors, and many others.

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Telecommunications Essentials: The Complete Global Source for Communications Fundamentals, Data Networking and the Internet, and Next-Generation Networks By Lillian Goleniewski Bibliography

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Editorial Review

From the Author
Telecommunications Essentials is the complete global reference on telecommunications technologies, applications, and networks. The book is based on the globally acclaimed LIDO Telecommunications Essentials(R) seminar series, which I've had the pleasure of conducting, globally, since 1984.

This book is designed to allow a non-technical professional, as well as technical professional wishing to expand their range of knowledge, to develop an understanding of the language and concepts comprising telecommunications, while also providing enough technical depth to develop a sound knowledge of the key technologies and network infrastructures. Its organization reflects the logical progression of telecommunications developments and solutions, allowing one to develop a historical basis for appreciating the evolution of telecommunications, while developing an enthusiasm for realizing the magnitude of the revolution yet to come.

My academic background in clinical psychology, combined with 21 years of practical experience in telecommunications consulting and education, allows me to deliver information about complex technologies with a distinct human touch, one designed not just to teach you the principles of telecommunications, but to also engage your interest, and inspire your desire to learn more.

Realizing that the study of telecom involves lifelong learning, Telecommunications Essentials is supported with an online learning environment, including LIDO Telecom WebCentral(R), a knowledge portal offering access to over 6,000 web resources, as well as the Telecom Essentials Learning Center, where you can take online quizzes, engage in or create discussion groups, access an online glossary, and find over 1,000 recommendations on selected books, magazines and websites, all organized according to the chapters of the book.

From the Back Cover

Praise for *Telecommunications Essentials*

"In *Telecommunications Essentials*, Goleniewski guides us through the ever-changing world of telecommunications with much sense and a great deal of style. Her wide ranging and in-depth study into this complex field is superbly researched and written. Its emphasis on learning and technology is thought-provoking and never fails to be relevant to the field today. It is essential reading."

—**Chris Barclay**, Director, Strategy & Planning, Retail, Telstra

"Lillian Goleniewski has a gift in presenting the complexity of telecommunications to her audiences. The careers of countless people in Australia have benefited from their contact with her. Her material is now captured in this book, which should rightfully grace any self-respecting technical collection."

—**Dr. Bob Horton**, Deputy Chairman, Australian Communications Authority

"If you need one good reference book on telecom, this is it. It's comprehensive, easy to understand, and up-to-date on latest technology—definitely a must-have for both beginners and professionals."

—**To Chee Eng**, Principal Anaylst, Telecoms and Internet, Gartner Group

"Lili Goleniewski is a gifted communicator and educator who combines clear explanation of complex technologies with a firm grasp of the dynamic commercial environment in which those technologies are being deployed. The author's extensive international experience in communicating to an audience drawn from diverse cultures and differing levels of familiarity with technical concepts and the English language enables her to enliven subject matter that otherwise can be dauntingly unapproachable. I commend this book to anyone seeking to develop their understanding of developing communications technologies, regardless of their technical background."

—**Peter Leonard**, Managing Partner, Technology and Communications, Gilbert & Tobin Lawyers

"*Telecommunications Essentials* provides a thorough overview of all aspects of the telecommunications network. Whether you are new to telecom or have years of experience, this well-organized and detailed reference will help you learn what you need to know or remember what you have forgotten."

—**David West**, Vice President, Equinox Information Systems

"Here is a book that demystifies a technical world. Lili applies a matter-of-fact style and laces this with humor and the occasional wonder to weave all the complex building blocks of the telecommunications industry into a readable book. The book will be a permanent fixture on my 'go to find an answer' reference list."

—**Kiron Chatterjee**, Koshen Holdings and Former CEO of Asia Online

"*Telecommunication Essentials* is an excellent high-level view of telecom. It provides interesting examples of actual and potential applications in telecom. This is an extraordinarily useful and timely book."

—**Natasha K. Zaslove**, Lawyer

"Reviewing Lili's book was a joy. *Telecommunications Essentials* approaches the subject unlike typical academic or reference texts—instead, it tells stories, effectively and engagingly explaining the new culture evolving around telecommunications, with just the right amount of relevant technical details. *Telecommunications Essentials* traces the evolution of public networks from simple voice conduits to the life-changing multiservice information universe of the near future, intriguingly and provocatively predicting how we, as humans, might radically change our interactions—with each other and with machines—as a result. I recommend Lili's book to anyone seeking an informative, enjoyable ride through today's telecommunications landscape."

—**Steven Riley**, Microsoft Telecommunications Consulting

 Telecommunications Essentials is an in-depth introduction to the rapidly growing world of telecommunications. The book provides a global perspective, which ensures a complete understanding of telecommunications technologies and standards worldwide. Providing a comprehensive, one-stop reference for anybody wanting to get up to speed on the $2.5 trillion telecommunications industry, this book not only covers the basic building blocks but also introduces the most current information on new technologies like wireless, broadband, and optical networking.
Connections to telecom career groups and newsgroups.

About the Author
Lillian Goleniewski is Founder and President of the LIDO Organization, Inc., an internationally acclaimed

provider of education, information, and advisory services in the area of telecommunications technologies, services and networks.Ms. Goleniewski lectures extensively on telecommunications technology and management topics throughout the world. She is the author and creator of LIDO Telecommunications Essentials® (www.telecomessentials.com). Ms. Goleniewski's seminars and eLearning series have been conducted on an international basis since 1984, and are offered throughout Asia, Australia/New Zealand, Africa, Europe, the Middle East, North America and South America.Prior to forming the LIDO Organization, Ms. Goleniewski held the position of telecommunications operations manager at the Electric Power Research Institute (EPRI), the research and development arm of the U.S. utility industry. Before joining EPRI, Ms. Goleniewski was vice-president of operations for a San Francisco-based telecommunications consulting firm.Ms. Goleniewski graduated Phi Beta Kappa and Summa Cum Laude from Wayne State University in Detroit, Michigan. She holds a B.A. in psychology and has completed numerous post-graduate studies in information technologies as well as psychology. Ms. Goleniewski was the recipient of a NSF Award to conduct research in the area of human perception and information processing.

Users Review**From reader reviews:**
Julie Ross:Have you spare time for any day? What do you do when you have a lot more or little spare time? Yep, you can choose the suitable activity for spend your time. Any person spent their particular spare time to take a stroll, shopping, or went to the Mall. How about open or even read a book eligible Telecommunications Essentials: The Complete Global Source for Communications Fundamentals, Data Networking and the Internet, and Next-Generation Networks? Maybe it is to be best activity for you. You know beside you can spend your time with your favorite's book, you can better than before. Do you agree with its opinion or you have additional opinion?

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