



# The Essential Guide to Telecommunications (4th Edition)

By Annabel Z. Dodd

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**The Essential Guide to Telecommunications (4th Edition)** By Annabel Z. Dodd

Leading consultant Annabel Dodd presents easy-to-understand, insightful explanations of today's key trends and technologies: Industry Players and Trends, Broadband, VoIP, Wi-Fi and WiMax, 3G Mobile Networks, and Multimedia Networks. Previous editions have helped professionals worldwide understand the major changes transforming the telecommunications industry. In the past four years, the telecommunications industry has undergone major changes. This is the complete guide to the new realities of telecommunications. The new edition reflects all of today's most critical issues, trends, and technologies. In addition to providing crucial insights into the fast-changing competitive landscape, Dodd provides important information about the structure of, and key players in, the industry.

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### Editorial Review

#### Amazon.com Review

The telecommunications industry encompasses hundreds of different technologies, which in turn have spawned many trade names, jargon terms, and legal definitions. Those looking for a comprehensive introduction to the technologies, laws, and marketing programs that govern telecommunications need to read *The Essential Guide to Telecommunications*.

Author Annabel Z. Dodd begins by pointing out that telecommunications technologies have everything to do with signals moving over media. She then goes on to catalog some of the various kinds of signals and media, covering traditional switched telephone service, dedicated lines, public branch exchanges (PBXs), and automatic call distributors (ACDs) along the way. After that foray into technology, she gets into the U.S. telecommunications business environment, focusing heavily on the federal breakup of AT&T in 1984 and the Telecommunications Act of 1996. She then explains additional technologies; data communications and the Internet-ISDN, Frame Relay, and analog modems all get attention. The author also pays plenty of attention to wireless solutions, including satellite communications.

Unlike *Newton's Telecom Dictionary* (which remains an excellent resource), this book can be successfully read from start to finish by a reader with practically no telecommunications knowledge at the outset. Read and understand--that's what good technical books, like this one, enable you to do. --David Wall

#### From the Author

A non-technical guide to the industry

The issues and topics covered in "The Essential Guide to Telecommunications" are based on the concerns of end-user clients that I work with in my consulting practice. I also rely heavily on feedback from adults, all of whom work in telecommunications, who take my classes at Northeastern University. They include staff that manage their firm's telecommunications systems and people that work with or for telephone companies. My book is based on practical, everyday issues that carriers, customers and people that work with telecommunications firms need to understand.

Over 125,000 copies of the first two editions of "The Essential Guide to Telecommunications" were sold. Moreover, it has been translated into ten languages worldwide including Chinese, Russian and Portuguese. The Wharton School, MIT and other major universities and schools worldwide use it in courses on telecommunications. In addition, telephone companies, consulting firms, law firms and financial services companies have purchased my book for employees who need to understand telecommunications but want a book with non-technical descriptions of technology.

Along with explanations of technology, I have included examples of applications and historical highlights. I explain how the industry evolved and the technology changed. The stories and descriptions that accompany the technical details are key to the book.

#### From the Inside Flap

**Preface** In the twenty-two months between writing the first and second editions of this book, enormous changes occurred in telecommunications. The growing importance of the Internet and the rise of convergence are the most notable of these. Technology in the form of higher capacity fiber optic networks and faster processors hastened these developments and lowered the cost of building new networks. The

Internet and the lure of competition for local services have attracted large sums of money from investors. This money has been used to form new companies and promote mergers between network providers. Moreover, the world has become smaller. Network providers are expanding beyond their traditional territories. Local telephone companies are no longer strictly local-cable TV and utility companies are expanding into telecommunications and long distance providers are becoming local providers. In addition, many companies are attempting to establish a worldwide presence. The Essential Guide to Telecommunications, Second Edition presents profiles of industry segments and vendor types to provide readers with an understanding of the industry. The increase in the number of network providers, the growing role of resellers and the fast pace of mergers has created new layers of complexity. The roles of Internet Service Providers, backbone Internet providers, competitive local exchange carriers and cable TV companies are explained. In addition, regulatory rulings and the Telecommunications Act of 1996 are examined in light of their impact on consumers, commercial organizations, and carriers. The language and significance of important telecommunications technologies is explored. The Essential Guide to Telecommunications, Second Edition is not intended to be a deeply technical book. Rather, it is an overview of technologies and an explanation of the structure of the telecommunications industry. Technologies important in competition for local calling, high-capacity communications and Internet access are clarified. Intertwined with high-level technical explanations are examples of how the various vendors interconnect their networks. This book is intended for non-technical people working in the field of telecommunications, laymen interested in learning more about the field, and for people responsible for the administration of telecommunications services for their organizations. They include regulatory staff, salespeople, law firms, research organizations, marketing personnel, human resources professionals, project managers, telecommunications managers, and high-level administrators. The Essential Guide to Telecommunications, Second Edition starts out with interpretations of fundamental concepts so that readers will have a basis for understanding more complex, new telecommunications services. It explores the structure of the industry, local competition, regulatory proceedings, the Internet, convergence, and wireless services. Along with explanations of technology are examples of applications and historical highlights. How the industry evolved and how the technology changed is also explored. The stories and descriptions that accompany the technical

## **Users Review**

### **From reader reviews:**

#### **Benny Joiner:**

The Essential Guide to Telecommunications (4th Edition) can be one of your beginner books that are good idea. We all recommend that straight away because this guide has good vocabulary that could increase your knowledge in language, easy to understand, bit entertaining but nevertheless delivering the information. The article author giving his/her effort that will put every word into delight arrangement in writing The Essential Guide to Telecommunications (4th Edition) however doesn't forget the main point, giving the reader the hottest and also based confirm resource info that maybe you can be one among it. This great information can drawn you into completely new stage of crucial pondering.

#### **Leslie Heidelberg:**

This The Essential Guide to Telecommunications (4th Edition) is great e-book for you because the content and that is full of information for you who also always deal with world and get to make decision every minute. This specific book reveal it facts accurately using great plan word or we can state no rambling sentences within it. So if you are read the item hurriedly you can have whole facts in it. Doesn't mean it only

provides straight forward sentences but tough core information with lovely delivering sentences. Having The Essential Guide to Telecommunications (4th Edition) in your hand like finding the world in your arm, data in it is not ridiculous just one. We can say that no publication that offer you world within ten or fifteen minute right but this reserve already do that. So , this is certainly good reading book. Hi Mr. and Mrs. active do you still doubt this?

#### **Arthur Mead:**

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#### **Estella Pierre:**

What is your hobby? Have you heard this question when you got college students? We believe that that query was given by teacher to the students. Many kinds of hobby, Everyone has different hobby. Therefore you know that little person including reading or as reading become their hobby. You have to know that reading is very important and also book as to be the point. Book is important thing to increase you knowledge, except your current teacher or lecturer. You find good news or update about something by book. Numerous books that can you take to be your object. One of them are these claims The Essential Guide to Telecommunications (4th Edition).

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