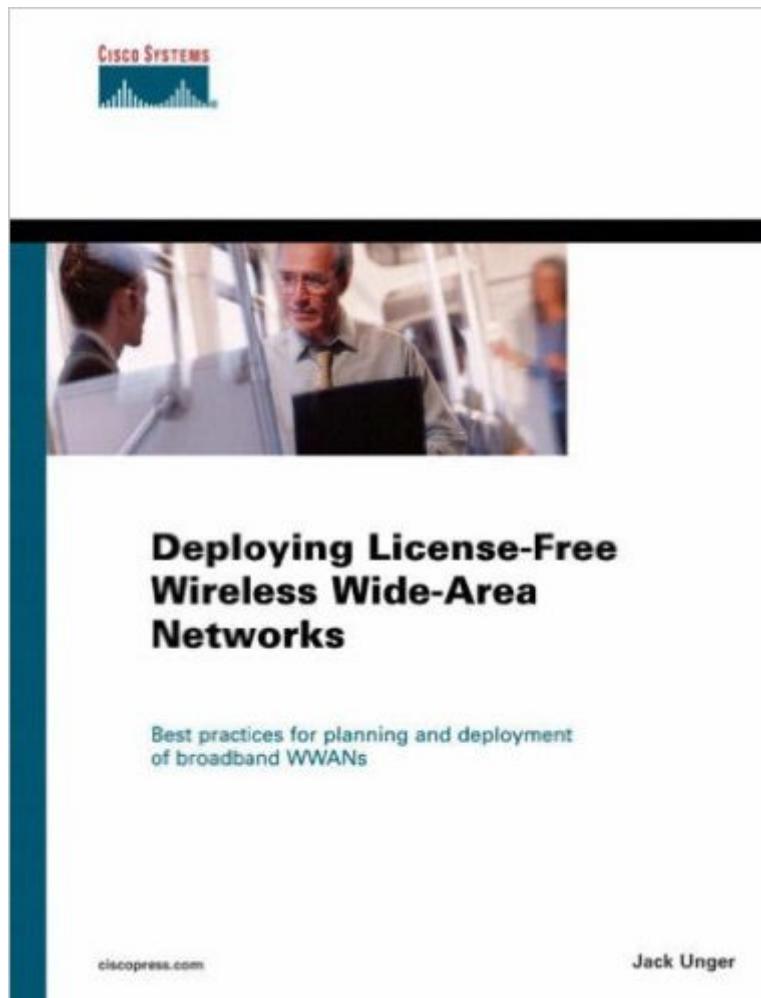


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# Deploying License-Free Wireless Wide-Area Networks



## Synopsis

Best practices for planning and deployment of broadband WWANs Learn insider tips from an experienced wireless industry leader Understand the principles that underlie the operation of all wireless systems Learn how to provide profitable and reliable wireless Internet access Select the most effective equipment and antenna systems for your area Avoid common pitfalls encountered by new wireless network operators Minimize the effects of noise and interference on your network Enjoy the satisfaction of providing wireless Internet access to your community Practice the business principles used by successful wireless ISPs (WISPs) Use 802.11a, 802.11b, and 802.11g equipment more successfully in your own home, office, or outdoor environment Choose the right network architecture for your wireless network Conduct physical site surveys and radio-frequency (RF) site surveys License-free broadband wireless wide-area networks (WWANs) provide fast deployment of low-cost, high-speed "last-mile" wireless Internet access. License-free wireless technology delivers these benefits without requiring the use of products or services provided by local telephone or cable companies. WWANs enable Internet service providers (ISPs) and corporate IT managers to deploy their own cost-efficient broadband networks that deliver high-speed access for buildings and areas where traditional wired connectivity is either completely unavailable or is cost-prohibitive. Deploying License-Free Wireless Wide-Area Networks is the first book that provides complete, real-world "start-to-finish" design, installation, operation, and support information for wireless ISPs and other organizations deploying outdoor wireless WANs—including coverage of 802.11a, 802.11b, 802.11g, and proprietary-protocol networks. This vendor-neutral book covers all brands of broadband wireless equipment and explains the principles upon which all wireless equipment is based. Inside, you'll find step-by-step instructions and crystal-clear explanations that walk you through initial planning stages and onto full wireless network operation. End-of-chapter review questions reinforce important concepts. Whether you're an IT director, ISP engineer, network architect, or field technician, Deploying License-Free Wireless Wide-Area Networks is your essential reference. With practical, in-depth coverage of the real-world challenges of outdoor, license-free wireless WAN deployment, this book provides a comprehensive, vendor-neutral guide to successful wireless network design and operation.

## Book Information

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## Customer Reviews

If you are interested in a wireless Wide Area network then this is the book for you. Novices to experts will get a comprehensive detailed explanation of how to implement wireless wide area networks. From the definitions to the diagrams and equations detailing what is needed, where to place it, how it works and how to troubleshoot it to keep it running, Mr. Unger has covered it all. He is direct and to the point in giving you useful information on site surveying, antenna evaluation, selecting equipment, installing outdoor wireless systems, solving noise and interference problems, internet access. One look at the table of contents of each chapter listed in the beginning of the book you will have the entire story. Each chapter is full of information to enrich your knowledgebase and will also assist in the pursuit of the wireless certifications. The book keeps the focus on the subject matter at hand while not subjecting you to a dry boring delivery. Although technical, it is easy to follow no matter what your experience level. There is a ten step process for selecting the preliminary network architecture that makes the reader feel that success is very easy to achieve. There are details on how perform site surveys, he makes understanding radio frequencies simple, you learn almost everything there is to know about antennas and evaluating and selecting your equipment. This book gives you the principles of all wireless systems while staying vendor neutral you know you are able to apply this information to most brands of hard ware and software. The information on 802.11a, 802.11b, 802.11g equipment is useful whether you are using it in your home, office or outdoors. This a real-world guide to designing and the implementation of the license free wireless WAN. Mr.

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