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classrooms; 3.2.2 Web-based learning; 3.2.3 Technology of e-education; 3.3 Telemedicine applications; 3.3.1 What is telemedicine? 3.3.2 Overview of telemedicine applications 3.3.3 Requirements when transmitting medical diagnostic information; 3.3.4 Videoconferencing in telemedicine; 3.3.5 How does society benefit from telemedicine?; 3.4 E-government applications; 3.4.1 Overview; 3.4.2 Providing access to e-government services; 3.5 Summary; Part Two Business Models; 4 Key Legal and Regulatory Issues Affecting Community Broadband Projects in the United States; 4.1 Introduction; 4.2 The benefits of public fiber-to-the-home (FTTH) systems; 4.3 Burdens and risks of public broadband systems  
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## Sommario/riassunto

Access to the Internet is an increasing problem in many areas of the world. As the popularity and usefulness of the Internet increases on a daily basis, lack of access to the technology is putting many groups at a disadvantage in terms of better education, better jobs and even in terms of higher levels of civic participation. However, creating a network infrastructure to serve outlying communities and sectors of the population is not straight-forward. This book brings together all the aspects of the problem - technical, regulatory and economic - into one volume to provide a comprehensive

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