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2.5 Introduction to Transporting Electrical Signals
2.5.1 Wire Pair; 2.5.2 Coaxial Cable Transmission; 2.5.3 Fiber-Optic Cable; 2.5.4 Radio Transmission; Review Exercises; References; Chapter 3 Quality of Service and Telecommunication Impairments; 3.1 Objective; 3.2 Quality of Service: Voice, Data, and Image; 3.2.1 Signal-to-Noise Ratio; 3.2.2 Voice Transmission; 3.2.3 Data Circuits; 3.2.4 Video (Television); 3.3 The Three Basic Impairments and How They Affect the End-User; 3.3.1 Amplitude Distortion; 3.3.2 Phase Distortion; 3.3.3 Noise; 3.4 Level; 3.4.1 Typical Levels; 3.5 Echo and Singing
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5.3 Operation of the Telephone Subset

Sommario/riassunto

The Second Edition of this critically-acclaimed text continues the standard of excellence set in the first edition by providing a thorough introduction to the fundamentals of telecommunication networks without bogging you down in complex technical jargon or math. Although focusing on the basics, the book has been thoroughly updated with the latest advances in the field, including a new chapter on metropolitan area networks (MANs) and new sections on Mobile Fi, ZigBee and ultrawideband. You'll learn which choices are now available to an organization, how to evaluate them and how to devel
