

1. Record Nr.	UNINA9910813379103321
Titolo	Service provision : technologies for next generation communications // edited by Kenneth J. Turner, Evan H. Magill, David J. Marples
Pubbl/distr/stampa	Chichester ; ; Hoboken, NJ, : Wiley, c2004
ISBN	9786610274987 9781280274985 1280274980 9780470020494 0470020490 9780470020500 0470020504
Edizione	[1st ed.]
Descrizione fisica	1 online resource (388 p.)
Collana	Wiley series in communications networking & distributed systems
Altri autori (Persone)	TurnerKenneth J MagillE (Evan) MarplesDavid John
Disciplina	621.382
Soggetti	Telecommunication systems Computer networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. [333]-358) and index.
Nota di contenuto	Service Provision; Contents; List of Contributors; Preface; Part I: Network Support for Services; 1 Introduction and Context; 1.1 Communications Services; 1.2 Network Support for Services; 1.3 Building and Analyzing Services; 1.4 The Future of Services; 2 Multimedia Technology in a Telecommunications Setting; 2.1 Definition of Multimedia; 2.2 Market Drivers for Multimedia; 2.2.1 User expectations; 2.2.2 Need for new revenue streams; 2.2.3 Effect of the Internet; 2.2.4 Content; 2.2.5 Increasing mobility; 2.2.6 Converged networks; 2.2.7 Charging for multimedia services 2.2.8 Public network performance 2.2.9 Ensuring Quality of Service (QoS); 2.3 Standards for Multimedia Services; 2.3.1 International Telecommunications Union (ITU); 2.3.2 Internet Engineering Task Force (IETF); 2.3.3 International Organization for Standardization (ISO); 2.3.4 The Open Mobile Alliance (OMA); 2.3.5 Proprietary standards; 2.4

Multimedia Services and their Constituent Media Components; 2.4.1 Media components; 2.4.2 Attributes of a multimedia connection; 2.4.3 Examples of multimedia services; 2.5 Interworking between Multimedia and Traditional Voice

2.6 Terminal Equipment and User Interfaces2.7 The Future; 3 Call Processing; 3.1 The Beginnings of Call Processing; 3.2 Key Attributes of Call Processing Systems; 3.2.1 User and network interfaces; 3.2.2 Number translation and route selection; 3.2.3 User subscription data; 3.2.4 Resource and switch control; 3.2.5 Generation of call recording data; 3.3 Switch Architectures and Call Models; 3.3.1 Half call model; 3.3.2 Three segment model; 3.3.3 Multi-segment model; 3.3.4 Mobile switches; 3.3.5 Implementation of call models; 3.4 Switch-Based Services; 3.4.1 PSTN services; 3.4.2 ISDN services

3.4.3 Feature interaction3.5 Call Processing for Intelligent Networks; 3.5.1 Triggering; 3.5.2 Service switching; 3.5.3 The IN and feature interaction; 3.5.4 The IN and mobility; 3.6 Softswitches; 3.6.1 Softswitch definition; 3.6.2 Capabilities; 3.6.3 Developments; 3.7 Future; 4 Advanced Intelligent Networks; 4.1 History of the Intelligent Network (IN/AIN); 4.2 Intelligent Network Architecture; 4.2.1 AIN and ITU-T IN architectures; 4.2.2 Differences between AIN (USA) and ITU-T (International) Intelligent Network architectures; 4.3 Components of IN Service Delivery

4.3.1 Service Switching Point4.3.2 Service Control Point; 4.3.3 Intelligent Peripherals (Specialized Resource Points); 4.4 Intelligent Network Services; 4.4.1 Service examples; 4.4.2 ITU-T CS 1 services; 4.5 Assessment of Intelligent Networks; 4.6 Future of Intelligent Networks; 5 Basic Internet Technology in Support of Communication Services; 5.1 Introduction; 5.1.1 Overview; 5.1.2 The Internet standardization process; 5.2 Transport Service Quality in the Internet; 5.2.1 Plain old IP; 5.2.2 Integrated Services; 5.2.3 Differentiated Services; 5.2.4 Multi-Protocol Label Switching (MPLS)

5.3 Internet Telephony

Sommario/riassunto

This book provides the first overview of the service technologies available to telecoms operators working in a post-convergence world. Previous books have focused either on computer networks or on telecoms networks. This is the first to bring the two together and provide a single reference source for information that is currently only to be found in disparate journals, tool specifications and standards documents. In order to provide such broad coverage of the topic in a structured and logical fashion, the book is divided into 3 parts. The first part looks at the underlying network suppor
