

1. Record Nr.	UNINA9910143205703321
Titolo	GSM, GPRS, and EDGE performance [[electronic resource]] : evolution towards 3G/UMTS / / edited by Timo Halonen, Javier Romero, and Juan Melero
Pubbl/distr/stampa	Chichester, West Sussex, England ; ; Hoboken, NJ, USA, : J. Wiley, c2003
ISBN	1-280-27205-8 9786610272051 0-470-30043-4 0-470-86695-0 0-470-86696-9
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (655 p.)
Altri autori (Persone)	HalonenTimo RomeroJavier <1971-> MeleroJuan
Disciplina	621.3845/6 621.38456
Soggetti	Global system for mobile communications Electronic books.
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 and index.
Nota di contenuto	GSM, GPRS AND EDGE Performance; Contents; Acknowledgements; Foreword; Introduction; Abbreviations; Part 1 GERAN Evolution; 1 GSM/EDGE Standards Evolution (up to Rel'4); 1.1 Standardisation of GSM-Phased Approach; 1.1.1 GSM/TDMA Convergence through EDGE; 1.1.2 GERAN Standardisation in 3GPP; 1.2 Circuit-switched Services in GSM; 1.2.1 Adaptive Multi-rate Codec (AMR); 1.2.2 High Speech Circuit-switched Data (HSCSD); 1.3 Location Services; 1.3.1 LCS Standardisation Process; 1.4 General Packet Radio System (GPRS); 1.4.1 Introduction of GPRS (Rel'97); 1.4.2 GPRS Network Architecture 1.4.3 GPRS Interfaces and Reference Points1.4.4 GPRS Protocol Architecture; 1.4.5 Mobility Management; 1.4.6 PDP Context Functions and Addresses; 1.4.7 Security; 1.4.8 Location Management; 1.4.9 GPRS Radio Interface; 1.5 EDGE Rel'99; 1.5.1 8-PSK Modulation in GSM/EDGE Standard; 1.5.2 Enhanced General Packet Radio Service (EGPRS); 1.5.3

Enhanced Circuit-switched Data (ECSD); 1.5.4 Class A Dual Transfer Mode (DTM); 1.5.5 EDGE Compact; 1.5.6 GPRS and EGPRS Enhancements in Rel'4; References; 2 Evolution of GERAN Standardisation (Rel'5, Rel'6 and beyond); 2.1 GERAN Rel'5 Features 2.1.1 Iu Interface for GERAN and the New Functional Split 2.1.2 Header Adaptation of the IP Data Streams; 2.1.3 Speech Capacity and Quality Enhancements; 2.1.4 Location Service Enhancements for Gb and Iu Interfaces; 2.1.5 Inter-BSC and BSC/RNC NACC (Network-assisted Cell Change); 2.1.6 High Multi-slot Classes for Type 1 Mobiles; 2.2 GERAN Architecture; 2.2.1 General; 2.2.2 Architecture and Interfaces; 2.2.3 Radio Access Network Interfaces; 2.3 GERAN Rel'6 Features; 2.3.1 Flexible Layer One; 2.3.2 Single Antenna Interference Cancellation (SAIC) 2.3.3 Multimedia Broadcast Multicast Service (MBMS) in GERAN 2.3.4 Enhancement of Streaming QoS Class Services in GERAN A/Gb Mode; References; 3 GERAN QoS Evolution Towards UMTS; 3.1 Mobile Network as a Data Transport Media for IP-based Services; 3.2 Example of IP-based Applications Using Mobile Network as Data Bearer; 3.2.1 WAP Browsing; 3.2.2 Multimedia Messaging Service (MMS); 3.2.3 Audio/Video Streaming; 3.2.4 IMS Services; 3.3 End-to-end QoS in the 3GPP QoS Architecture; 3.4 PDP-context QoS Parameter Negotiation; 3.4.1 QoS Authorisation for IMS and Non-IMS Services with PDF 3.5 Negotiated PDP-context QoS Enforcement in GERAN (and UTRAN) 3.5.1 Control Plane QoS Mechanisms; 3.5.2 User Plane QoS Mechanisms; 3.6 End-to-end QoS Management; 3.6.1 Example of Service Activation Procedure; References; 4 Mobile Station Location; 4.1 Applications; 4.2 Location Architectures; 4.3 Location Methods; 4.3.1 Basic Service Level; 4.3.2 Enhanced Service Level; 4.3.3 Extended Service Level; 4.4 LCS Performance; 4.4.1 Basic Service Level Performance; 4.4.2 Enhanced Service Level Performance; References; Part 2 GSM, GPRS and EDGE Performance 5 Basics of GSM Radio Communication and Spectral Efficiency

Sommario/riassunto

GSM, GPRS and EDGE Performance - Second Edition provides a complete overview of the entire GSM system. GSM (Global System for Mobile Communications) is the digital transmission technique widely adopted in Europe and supported in North America. It features comprehensive descriptions of GSM's main evolutionary milestones - GPRS, (General Packet Radio Services) is a packet-based wireless communication service that promises data rates from 56 up to 114 Kbps and continuous connection to the Internet for mobile phone and computer users. AMR and EDGE (Enhanced Data GSM Environment), and such develop

2. Record Nr.	UNINA9910894846103321
Titolo	ENS news / European Nuclear Society
Pubbl/distr/stampa	Brussels, : ENS, 2003-
Descrizione fisica	Online-Ressource
Disciplina	620 530
Soggetti	Zeitschrift
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico