

AVAILABLE NOW...

GSM and UMTS

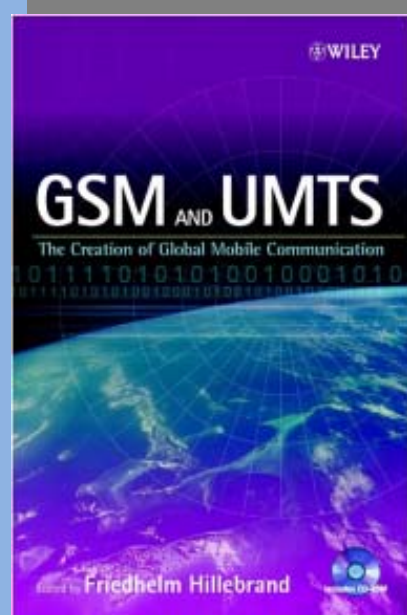
The Creation of Global Mobile Communication

Edited by **Friedhelm Hillebrand**

GSM (Global System for Mobile communication) provides a service to more than 500 million users throughout 168 countries worldwide. It is the world market leader serving 69 % of all mobile digital users and is currently evolving into UMTS (Universal Mobile Telecommunication System).

By describing the critical decisions and the phases of the development this key text explains how the GSM initiative became a success in Europe and how it evolved to the global mobile communication system. Initially the strategy and technical specifications were agreed for Europe and the subsequent evolution to a global solution was achieved by incorporating all non-European requirements and by inviting all committed parties worldwide to participate. The process started in 1982 and the first GSM networks went into commercial service in 1992. The first UMTS networks are expected in 2002 and the fourth generation discussions have begun.

- Presents a complete technical history of the development of GSM and the early evolution to UMTS
- Clarifies the creation of the initial GSM second generation system in CEPT GSM, the evolution to a generation 2.5 system in ETSI SMG and the evolution to the Third Generation (UMTS) in ETSI SMG and 3GPP
- Covers all of the services and system features together with the working methods and organisational aspects
- GSM and UMTS provides an interesting and informative read and will appeal to everyone involved in the mobile communications market needing to know how GSM and UMTS technologies evolved.



Hbk, 590 pages
October 2001
ISBN 13: 978-0-470-84322-2
£130.00, €159.00, \$250.00

Also available online. For further information, visit:
www.interscience.wiley.com/onlinebooks
OnlineBooks™
ISBN13: 9780470845547

Contents

GSM's Achievements

The Agreement on the Concepts and the Basic Parameter of the GSM Standard (Mid-1982 to Mid-1987)
The Detailed Specification Work Leading to the GSM Phase 1 Standard used for the Opening of Service (1987-1991)
Consolidating GSM Phase 1 and Evolving the Services and System Features to GSM Phase 2 in ETSI SMG (1992-1995)
Evolving the Services and System features to Generation 2.5 by the GSM Phase 2+ Program (1993-2000)
GSM Goes to North America
The UMTS Related Work of the European Commissions, UMTS Taskforce, UMTS Forum and GSM Association
The UMTS Standardization Work in ETSI (Philippe Dupuis and Friedhelm Hillebrand).
The Third Generation Partnership Project (3GPP)
Services and Services' Capabilities
System Architecture Evolution
Radio Aspects
The Subscriber Identity Module: Past, Present and Future
Voice Codes
Security Aspects
Short Message and Data Service
Mobile Stations Type Approval
Operations and Maintenance
Professional Technical Support and its Evolution
Working Methods and their Evolution
The Contributions of the GSM Association
GSM and UMTS Acceptance in the World
GSM Success Factors

www.wiley.com

 WILEY-BLACKWELL

HOW TO ORDER

All customers from Europe, Middle East and Africa (excluding Germany, Austria, Switzerland)

PHONE your credit card order:
FREE PHONE (UK only) 0800 243407 or
(for overseas orders) +44 (0)1243 843-294

FAX your completed order form to:
+44 (0)1243 843-296

POST your completed order form to:
John Wiley & Sons Ltd., 1 Oldlands Way,
Bognor Regis, West Sussex, PO22 9SA, UK

EMAIL: cs-books@wiley.co.uk

INTERNET: www.wiley.com

Postage rates
(Amounts shown for the total order)
UK £3.60
Europe Surface mail £5.20/€7.00
 Air mail £12.45/€16.80
Outside Europe
 Surface mail £7.75
 Air mail £14.95

Delivery will be arranged
by John Wiley & Sons Ltd,
on your behalf via Wiley
Distribution Services Ltd.
Alternatively you may collect
your order by prior arrange-
ment. We can also quote for
delivery by courier. Please
e-mail cs-books@wiley.co.uk
for details. Please allow 21
days for delivery.

MONEY BACK GUARANTEE

If you are not completely satis-
fied we will refund your payment
without question, if books are
returned in a resaleable condition
within 30 days of receipt.

Sub Total _____

Postage _____

TOTAL _____

PAYMENT METHODS

Cheque enclosed, payable to John Wiley & Sons Ltd
Credit/charge card: Maestro Mastercard
 Visa American Express

Card number _____

Start date _____ Expiry date _____

Maestro issue number _____ Card security code: _____

Cardholder's signature _____

Cardholder's name _____

Cardholder's registered address _____

Postcode _____

Country _____

Invoice for prepayment
Purchase order number _____ enclosed

EU customers please include your VAT number _____

Yes, I would like to order

(Please insert ISBN and title)

copy(ies)

copy(ies)

copy(ies)

copy(ies)

Each volume will be invoiced and despatched upon publication.

Send my order to

Title & Name _____

Job Title/Department _____

Company/University _____

Address _____

Town/City _____

Post/Zip Code _____

Country _____

Daytime Tel./Fax _____

Yes! Please place me on the Wiley
Email list. My E-mail address is _____

YOUR PERSONAL DATA

We, John Wiley & Sons Ltd, will use the information you have provided to
fulfill your request. In addition, we would like to:

1. Use your information to keep you informed by post of titles and offers
of interest to you and available from us or other Wiley Group companies
worldwide, and may supply your details to members of the Wiley Group
for this purpose.

Please tick the box if you do not wish to receive this information

2. Share your information with other carefully selected companies so that
they may contact you by post with details of titles and offers that may be
of interest to you.

Please tick the box if you do not wish to receive this information.

If, at any time, you wish to stop receiving information, please contact The
Database Marketing Dept (databasegroup@wiley.co.uk) at John Wiley &
Sons Ltd, The Atrium, Southern Gate, Chichester, West Sussex. PO19 8SQ, UK.

Customers from Germany, Austria and Switzerland

PHONE +49 (0)6201 606-400

FAX your completed order form to:
+49 (0)6201 606-184

POST your completed order form to:
Wiley-VCH, Customer Service Department,
P.O. Box 10 11 61, 69451 Weinheim, Germany

EMAIL: service@wiley-vch.de

INTERNET: www.wiley-vch.de

TERMS OF PAYMENT:

Please send me an invoice

Cheque is enclosed

Please charge my credit card:

Mastercard Visa Amex

In EU countries the local VAT is effective for books and journals. Postage will be charged. Whilst every effort is made to ensure that the contents of this leaflet are accurate, all information is subject to change without notice. Our standard terms and delivery conditions apply.

Card Number _____

Expiry Date _____

Date, Signature _____

Customers from the Rest of the World

PHONE +1 877 762-2974 (toll free)

FAX +1 800 597-3299

MAIL your completed order form to:
John Wiley & Sons, Inc., 10475 Crosspoint Blvd,
Indianapolis, IN 46256 USA

EMAIL: custserv@wiley.com

INTERNET: www.wiley.com

METHOD OF PAYMENT:

Payment enclosed. Total amount enclosed:

_____ (Make checks or money orders payable to
John Wiley & Sons, Inc.)

Please note that all prices are correct at time of going to press but are subject to change without notice.

Please charge my credit card:

Mastercard Visa Amex Discover

Acct.# _____

Expiry Date _____

Signature (Credit card orders invalid unless signed) _____

ONLINEBOOKS™

Communications Technology

With OnlineBooks™ you can...

- SEARCH for a term across thousands of chapters in an instant
- VIEW FREE CONTENT Table of Contents and Chapter Summaries may be viewed online free of charge
- PAY AND DOWNLOAD INDIVIDUAL CHAPTERS by using a credit card, Pay-Per-View allows instant, full-text access to book chapters without the need for a subscription. Access is available for 24 hours
- SAVE TIME TODAY AND TOMORROW... Sign up for Saved Search Alerting Service and we will send an email direct to your inbox when a new chapter or journal article is published that meets your search terms



WILEY-BLACKWELL

Find out more at <http://www.wiley.com/go/commsbooks>