DESCRIPTION

2G/GSM and 3G/UMTS are key mobile communication technologies, chosen by more than 2 billion people around the world. In order to adapt to new services, increasing demand for user bandwidth, quality of service and requirements for network convergence, major evolutions are introduced in 3G network standard.

*Evolved Packet System (EPS)* presents the EPS evolution of the 3G/UMTS standard introduced by the 3rd Generation Partnership Project (3GPP) standard committee. This new topic is looked at from a system perspective, from the radio interface to network and service architecture. Hundreds of documents being issued by Standard organisations are summarised in one book to allow the reader to get an accessible comprehensive view of EPS evolution.

- Proposes a system view of Evolved UMTS, from the radio to Core and service architecture
- Gives a comprehensive and global view of the system that technical specifications do not provide
- Describes the new system as well as the inheritance and migration from 2G/GSM and 3G/UMTS
- Written by experts in the field who specialise in two complementary but very different technical domains (i.e. "radio interface" and "network architecture")
- Contains many figures and examples for better understanding.
This book is essential for industry professionals in the telecommunication business, telecommunication system architects and designers, product manufacturers and operators and postgraduate students.

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**ABOUT THE AUTHOR**

**Pierre Lescuyer** – Currently working as a UMTS System Architect in the Strategic Evolutions department of Nortel, France. For more than 10 years he has worked in different R&D positions, from system and architecture design to participation in 3GPP and ETSI standard committees. He has produced material written in English, mainly about GSM, GSM-R (the Railway declination of GSM) and UMTS features or system general description or specification. Most of these being intended for internal use or external distribution to Nortel customers.

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