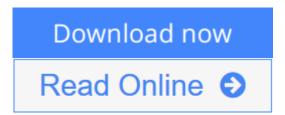# The LTE / SAE Deployment Handbook

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The LTE / SAE Deployment Handbook From Wiley

Describing the essential aspects that need to be considered during the deployment and operational phases of 3GPP LTE/SAE networks, this book gives a complete picture of LTE systems, as well as providing many examples from operational networks. It demystifies the structure, functioning, planning and measurements of both the radio and core aspects of the evolved 3G system.

The content includes an overview of the LTE/SAE environment, architectural and functional descriptions of the radio and core network, functionality of the LTE applications, international roaming principles, security solutions and network measurement methods. In addition, this book gives essential guidelines and recommendations about the transition from earlier mobile communications systems towards the LTE/SAE era and the next generation of LTE, LTE-Advanced.

The book is especially suitable for the operators that face new challenges in the planning and deployment phases of LTE/SAE, and is also useful for network vendors, service providers, telecommunications consultancy companies and technical institutes as it provides practical information about the realities of the system.

- Presents the complete end-to-end planning and measurement guidelines for the realistic deployment of networks
- Explains the essential and realistic aspects of commercial LTE systems as well as the future possibilities
- An essential tool during the development of transition strategies from other network solutions towards LTE/SAE
- Contains real-world case studies and examples to help readers understand the practical side of the system

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Editorial Review

From the Back Cover
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About the Author
Mr. Jyrki T.J. Penttinen began working in the telecommunications industry in 1994 with Telecom Finland its successors and since 2004 has worked with Nokia and Nokia Siemens Networks. He has held mobile networks research, design and technical management positions in Finland, Spain, Mexico and USA. Currently, his special interest areas are related to the radio interface of GSM/3G evolution and mobile TV and he holds the position of Senior Solutions Architect with NSN Innovation Center, Madrid, Spain.
Mr. Penttinen obtained his M.Sc., Lic.Sc. and D.Sc. degrees from Helsinki University of Technology (currently known as Aalto University, School of Science and Technology), Finland, in 1994, 1999, and 2011, respectively. He is an active lecturer, and has written various telecommunications books.

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