

1. Record Nr.	UNINA9910829987903321
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Titolo	Mobile broadband communications for public safety : the road ahead through LTE technology // Ramon Ferraus and Oriol Sallent, Universitat Politècnica de Catalunya (UPC), Spain
Pubbl/distr/stampa	Chichester, West Sussex, United Kingdom : , : Wiley, , 2015 [Piscataway, New Jersey] : , : IEEE Xplore, , [2015]
ISBN	1-118-83122-5 1-118-83123-3 1-118-83124-1
Edizione	[1st edition]
Descrizione fisica	1 online resource (359 p.)
Classificazione	TEC061000
Altri autori (Persone)	SallentOriol <1969->
Disciplina	363.10028/4
Soggetti	Long-Term Evolution (Telecommunications) Emergency communication systems Telephone - Emergency reporting systems Public safety radio service
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.
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Sommario/riassunto

"This book provides a timely and comprehensive overview of the introduction of LTE technology for PPDR communications. It describes the operational scenarios and emerging multimedia and data-centric applications in demand and discusses the main techno-economic drivers that are believed to be pivotal for an efficient and cost-effective delivery of mobile broadband PPDR communications. The capabilities and features of the LTE standard for improved support of mission-critical communications (e.g., proximity services, group communications) are covered in detail. Also, different network implementation options to deliver mobile broadband PPDR communications services over dedicated or commercial LTE-based networks are discussed, including the applicability of the Mobile Virtual Network Operator (MVNO) model and other hybrid models. Radio spectrum matters are also discussed in depth, outlining spectrum needs and providing an outlook into allocated and candidate spectrum bands for PPDR communications and suitable dynamic spectrum sharing solutions in PPDR communications. Explanations are accompanied by a vast collection of references that allow the more intrigued reader to gain further insight into the addressed topics"--
