

1. Record Nr.	UNINA9910139019903321
Autore	Perez Andre
Titolo	Voice over LTE : EPS and IMS networks / / Andre Perez
Pubbl/distr/stampa	Hoboken, NJ : , : ISTE Ltd/John Wiley and Sons Inc, , 2013
ISBN	1-118-64884-6 1-118-64882-X 1-118-64883-8
Descrizione fisica	1 online resource (254 p.)
Collana	Networks and telecommunications series
Disciplina	621.38456
Soggetti	Long-Term Evolution (Telecommunications) Internet Protocol multimedia subsystem
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	""Cover ""; ""Titel Page ""; ""Contents ""; ""Preface ""; ""Acronyms ""; ""Chapter 1. The EPS Network ""; ""1.1.1. Access network ""; ""1.1.3. Protocol architecture Signaling protocols ""; ""1.2.2. RRC protocol ""; ""1.2.4. X2-AP protocol ""; ""1.3. Procedures ""; ""1.3.2. Location update activation ""; ""Chapter 2. The LTE Interface Structure of the radioelectric interface "" ""2.2. Data link layer ""; ""2.2.2. RLC protocol ""; ""2.3. Physical layer ""; ""2.3.2. Spatial multiplexing multiplexing channels "" ""2.2.1. PDCP protocol ""; ""2.2.3. MAC protocol ""; ""2.3.1. Frequency range ""; ""2.3.3. Time ""; ""2.3.4. Physical signals and channels "" ""2.4. Procedures

"""; ""2.4.1. Cell searching
"""; ""2.4.3. Random access
"""; ""2.4.5. Re-transmission in the case of error
"""; ""Chapter 3. The CSFB Function
Reminder about NGN
"""; ""3.1.2. Signaling transport
""3.1.3. Transport of voice data
CSFB function
""3.3.1. Attachment
"""; ""3.3.3. Outgoing call
"""; ""Chapter 4. SIP and SDP Protocols
Entities
""4.3. Structure of SIP

"""; ""2.4.2. System information
"""; ""2.4.4. Data scheduling
"""; ""3.1.
"""; ""3.1.1. Architecture of NGN
""
"""; ""3.2. The
"""; ""3.3. Procedures
"""; ""3.3.2. Tracking area update
"""; ""3.3.4. Incoming call
"""; ""4.1.
""
""

Sommario/riassunto

Voice over LTE (Long Term Evolution) presents the mechanisms put in place in 4G mobile networks for the transportation of IP packets containing voice data and telephone signaling, as well as the technologies used to provide a telephone service in the IMS (IP Multimedia Sub-system) network. Despite the difficulty connected to the handover of the 4G network to the 2G/3G network, a telephone communication will not be established on the 4G network. This book analyzes the technologies that have been put in place, such as CSFB (Circuit Service FallBack), an interim solution that enables a mobile co
