Cellular Internet of Things: Technologies, Standards, and Performance Kindle Edition

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Description:

Cellular Internet of Things: Technologies, Standards and Performance gives insight into the recent work performed by the 3rd Generation Partnership Project (3GPP) to develop systems for the Cellular Internet of Things. It presents both the design of the new Narrowband Internet of Things (NB-IoT) technology and how GSM and LTE have evolved to provide Cellular Internet of Things services. The criteria used for the design and objectives of the standardization work are explained, and the technical details and performance of each technology is presented. This book discusses the overall competitive landscape for providing wireless connectivity, also introducing the most promising technologies in the market.

Users will learn how cellular systems work and how they can be designed to cater to challenging new requirements that are emerging in the telecom industry, what the physical layers and procedures in idle and connected mode look like in EC-GSM-IoT, LTE-M, and NB-IoT, and what the expected performance of these new systems is in terms of expected coverage, battery lifetime, data throughput, access delay time and device cost.

Learn:

How cellular systems work, and how they can be designed to cater for challenging new requirements emerging in the telecom industry.

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