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Autore	Vanelli-Coralli Alessandro
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Sommario/riassunto

This book provides an in-depth exploration of 5G networks, focusing on the integration of Non-Terrestrial Networks (NTN) within the 3GPP standards. It addresses the technical challenges and advancements necessary for achieving global service continuity and network resiliency by combining terrestrial and satellite communication technologies. The text covers numerous aspects of 5G NTN, including system architecture, network protocols, radio interface, and the impact of new technologies such as NB-IoT and eMTC. It aims to prepare industry stakeholders for the evolving requirements of 5G-Advanced and 6G networks, offering insights into the current and future landscape of telecommunications. The content is designed for professionals and researchers in the field of telecommunications engineering, providing a comprehensive overview of the standards and innovations shaping the future of global communications.
