

Kongres Container

Estonia 5G base station communication construction project EPC model



Overview

Is the EPC still relevant in 5G?

The EPC plays a vital role in the current 4G LTE networks and continues to be relevant in the early stages of 5G deployment. However, the transition to 5GC brings significant architectural and functional enhancements, paving the way for the advanced capabilities of 5G networks.

Can Estonia achieve 5G connectivity by 2023?

In addition, achieving goals set by the Gigabit society will require further investments by the state of approximately EUR 200 million. With its 5G roadmap, Estonia would like to achieve 5G connectivity in major cities by 2023 and along transport corridors by 2025. A dedicated working group on 5G has been set up at ministry level.

What is the vision for telecommunications in Estonia?

To implement the vision, three specific goals have been set: By 2030, ultrafast, reliable and affordable telecommunications connections should be available in Estonia irrespective of the location, making it possible to create and use innovative services. All should have access to connections of at least 100 Mbps which can be increased up to 1 Gbps.

What is a standalone 5G network?

Standalone (SA): standalone networking. SA uses an end-to-end 5G network architecture, where 5G standards are used on terminals, base stations, and core networks. SA supports a variety of 5G new services, including eMBB, URLLC, and mMTC, and is applicable to the middle and later stages of 5G network construction. Routers support NSA and SA.

How AI & 5G impact the EPC industry?

AI and 5G play a pivotal role in enabling innovation and automation in the EPC industry. 5G-integrated AI systems, with their state-of-the-art analytical

capabilities, enable real-time decision-making and improve production efficiencies.

What's new in 5GC?

New Network Functions: 5GC introduces new functions such as the Access and Mobility Management Function (AMF) and the Session Management Function (SMF), which replace the MME in EPC. These functions provide more granular control over network resources and support advanced 5G features.

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