



**EQACC SOLAR**

# **Communication 5g Co-construction and sharing of 5G base stations**



## Overview

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What are the key technical solutions for 5G co-construction and sharing networks?

The article focused on several key technical solutions for 5G co-construction and sharing networks, including network architecture, NSA sharing technology solutions, and SA sharing evolution solutions. There were two main 5G shared network solutions, access network sharing and roaming in different networks.

What is the automatic data configuration model of 5G co-construction and shared base stations?

This paper focuses on the automatic data configuration model of 5G co-construction and shared base stations. By interacting with the core network and wireless network, this model can identify and match different 5G network modes such as SA and NSA (including dual-anchor scenarios and single-anchor scenarios).

What is a 5G base station?

At the same time, a large number of 5G base stations (BSs) are connected to distribution networks, which usually involve high power consumption and are equipped with backup energy storage, giving it significant demand response potential.

What is 5G standalone (SA)?

Together, they have built the world's first, largest, and fastest 5G Standalone (SA) shared network, realising one physical network correlated with two logical networks, and multiple customised private networks.

## Communication 5g Co-construction and sharing of 5G base stations

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### Network Sharing Evolution

Indirect Network Sharing is specified in 3GPP TS 22.261, TS 23.501 and TS 23.502, allowing the communication between the shared RAN and the core network of the ...

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### Research on Key Technical Solutions for 5G Co-construction and Sharing

Single Anchor Implementation of NSA Sharing  
Double Anchors Implementation of NSA Sharing  
Voice Solution of NSA Sharing  
In the single anchor implementation of NSA network sharing, a single-anchor sharing carrier scheme or a single-anchor independent carrier scheme can be configured. The schematic diagram of the single anchor implementation is shown in Fig. 3. In this solution, both the 5G base station and the 4G anchor base station need to be shared, and the 5G base See more on link.springer Images of Communication 5G Co-construction and Sharing of 5G Base Stations  
Sichuan-Chongqing 5G network project empowers digital life of villages  
5G Base Station Market Size, Share , Forecast - 2030  
5G Base Station Evolution , OpenRAN: RUs, DUs, CUs, and Beamforming  
Multi-Connectivity for 5G



Networks and Beyond: A Survey5G for Construction: Use Cases and Solutions5G O-RAN Base Station technologiesChina Has 2.84 Million 5G Base Stations5G Network , NTT Technical ReviewSee all3GPP

## Network Sharing Evolution

Indirect Network Sharing is specified in 3GPP TS 22.261, TS 23.501 and TS 23.502, allowing the communication between the shared ...

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### Research on the co-construction and sharing mode of 5G base stations ...

The implementation of co-construction and sharing of 5G base stations in power infrastructure has brought new opportunities for the operation and development of basic power ...

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### Key technologies for 5G co-construction and shared base

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This paper focuses on the automatic data configuration model of 5G co-construction and shared base stations that can identify and match different 5G network modes such as SA and NSA ...

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## China Unicom-China Telecom 5G Co-construction and Sharing...

On September 9, China Unicom and China Telecom held a meeting in Beijing celebrating the one-year anniversary of their 5G network co-construction and sharing program. ...

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## Collaborative optimization of distribution network and 5G base stations

In this paper, a distributed collaborative optimization approach is proposed for power distribution and communication networks with 5G base stations. Firstly, the model of 5G ...

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## Research on Key Technical Solutions for 5G Co-construction and Sharing

Coupled with factors such as the high price of 5G base stations, high power consumption, and difficulty in site selection, it is very meaningful to explore the co-construction ...

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## 5G Network Co-Construction and Sharing Guide Whitepaper

The 5G Network Co-Construction and Sharing Guide Whitepaper provides a comprehensive review of the sharing and co-construction of 5G networks with entities ...

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#### Highvoltage Battery



#### 5G Network Co-Construction and Sharing

5G Network Co-Construction and Sharing  
Since 2019, China Telecom and China  
Unicom have been working on 5G  
network co-construction and sharing,  
with major breakthroughs made in ...

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#### Key technologies for 5G co-construction and shared base

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5G network consumes huge investment cost, including 5G network construction, 5G network operation and maintenance etc. Therefore, China Unicom and China Telecom ...

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#### Research on the co-construction and sharing mode of 5G base stations ...



A large-scale 5G macro base station network energy management model considering the coordination and optimization of communication and supporting equipment [J/OL]

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