

HCIA-5G-RNP&RNO



Online Course



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Course Modules

1. Overview of 5G Wireless Network Principles

- 5G Overview
- 5G Network Architecture and Interface
- 5G Physical Layer
- Overview of 5G Basic Signaling Process

2. 5G Base Station Basic Operation

- Huawei 5G Base Station Product Overview
- 5900 Series Base Station Function & Performance Introduction
- 5900 Series Base Station Modules Introduction
- 5900 Series Base Station Typical Configuration in 5G Scenarios

3. 5G Base Station Basic Operation

- 5900 Base Station O&M System Structure
- 5900 Base Station Equipment Management
- 5900 Base Station Interface and Link Management
- 5900 Base Station Wireless Basic Parameters Management
- 5900 Base Station Basic Operation Practice

4.5G Radio Network Basic Feature Overview

- Overview of 5G NR Radio Resource Management
- NSA Networking with Dual Connection Feature
- 5G NR Power Control Feature
- 5G NR Mobility Management Feature
- 5G NR Scheduling Feature
- 5G MIMO Feature
- Uplink Fallback to LTE

5.5G Wireless Network Coverage and Capacity Estimation

- 5G Network Planning Objectives and Process
- Link Budget for 5G Wireless Network Coverage
- Link Budget for NR FDD Wireless Coverage
- 5G Wireless Capacity Estimation

6.5G NR Site Solution and Modernization Design Overview

- NR Site Solution Overview
- BBU and AAU Deployment and Modernization
- Front-Haul and Power Supply Deployment and Modernization
- Synchronization Solution and EHS



7.5G Site Survey

- 5G Site Selection
- 5G Site Survey

8.5G Network Test Overview

- GENEX Probe Operation Guide
- GENEX Assistant Operation Guide
- 5G Network Test and Problem Analysis
- Introduction to Test Devices
- Test Item and Requirements
- 5G NSA&SA Access Procedure
- Common Fault Cases during the Test

9.5G Coverage Problem Analysis

- Overview of 5G NR Coverage Analysis
- 5G NR Coverage Analysis Process and Operations
- Common Coverage Problem Analysis

10. 5G Wireless Network Performance Management

- Basic Concepts of 5G Counters
- 5G KPI Description
- 5G Radio Network performance management practice
- 5G KPI Problem Analysis
- KPI Problem Analysis Procedure
- 5G Accessibility KPI Analysis
- 5G Mobility KPI Problem Analysis
- 5G Retain ability KPI Problem Analysis

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in terms of time management,
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