HCIA-5G V2.0 Exam Outline

HCIA-5G V2.0 Certification Exam

Certification	HCIA-5G
Exam Code	H35-660
Exam Name	HCIA-5G V2.0
Language	ENU/CHS
Exam Format	Single Answer, Multiple Answer, True-false Question
Exam Cost	200USD
Exam Duration	90 mins
Pass Score/ Total Score	600/1000

Exam Contents

The HCIA-5G V2.0 exam covers 5G development and evolution, 5G network architecture and key technologies, 5G + new technology innovative application, 5G basic service capabilities and applications, and 5G industrial applications and solutions.

No.	Knowledge Point	Proportion
1	5G Development and Evolution	18%
2	5G Network Architecture and Key Technologies	27%
3	5G + New Technology Innovative Application	15%
4	5G Basic Service Capabilities and Applications	20%
5	5G Industrial Applications and Solutions	20%

Knowledge Points

5G Development and Evolution

- Basics of Mobile Communications
- Industry Applications of Mobile Communications
- Driving Force of 5G Development
- 5G Standardization Progress
- Key Network Performance and Objectives in Three 5G Service Scenarios
- 5G Industry Chain Progress
- 5G Spectrum Resources and Country-specific Distribution and Allocation

5G Network Architecture and Key Technologies

- 5G Core Network, Bearer Network, and RAN Architecture
- 5G E2E Network Slicing and Functions
- Key Technologies of 5G New Radio: Uplink and Downlink Decoupling, New Coding Technologies, F-OFDM, etc.

- Principles and Gains of Massive MIMO
- 5G Cyber Security and Technologies

5G + New Technology Innovative Application

- Concepts Related to Digital Economy, and New Network Architecture and Service Models
- IoT Technical Architecture, Key Features, Technical Advantages, and Application Scenarios
- Cloud Computing Definition, Key Features, Technical Features, and Application Scenarios
- Big Data Concept, Technical Architecture, and Application Scenarios
- AI Classification, Machine Learning, Deep Learning, and AI Technology Applications

5G Basic Service Capabilities and Applications

- 5GtoB Industry Overview
- 5G Ultra-large Bandwidth Capability
- 5G Ultra-low Latency and Ultra-high Reliability
- 5G Mobility, Self-management, and Fast Service Capabilities
- Status Quo of 5G Basic Services in Industries
- 5G Basic Service Application Solutions

5G Industrial Applications and Solutions

- IoV Technical Features, and Industry and Standards Progress
- 5G IoV Application Scenarios and Solutions
- 5G Smart Healthcare Application Scenarios and Solutions
- 5G Smart Education Application Scenarios and Technical Requirements
- 5G Smart Grid Application Scenarios and Technical Requirements
- 5G Smart Port Application Scenarios and Technical Requirements
- 5G Smart Campus Application Scenarios and Technical Requirements
- 5G Smart Manufacturing Application Scenarios and Technical Requirements

📖 **NOTE**

The exam content includes but is not limited to that mentioned in this document.

References

HCIA-5G V2.0 Courses

Recommended Training

HCIA-5G V2.0 Training