

HCIA-WLAN V3.0 Version Description

Version	Owner	Date	Explanation
V3.0	Zhang Yaqi/00523040	Dec 28, 2020	Use V3.0 training materials, lab manuals, and question library. V3.0 was released on Dec 28, 2020, and V2.0 was discontinued on June 28, 2021. The old and new versions coexist for six months.

一、Changes in Training Materials

Knowledge points	V2.0	V3.0	Change Description
1. Basics, 802.11 Protocols, Working Mechanisms, and Corresponding Technologies	12%	18%	Deleted the introduction to the WLAN standard organization, and integrated the 802.11 content in V2.0 as a basic WLAN technology course.
2. Working Principles of WLAN	15%	18%	Optimized CAPWAP tunnel establishment, AP access, and STA access, and added descriptions of key WLAN packets and user roaming.
3. WLAN products, product features, and AP power supply modes	15%	8%	Added Wi-Fi 6 products and technologies. Simplified 802.11n and 802.11ac contents;
4. Basic WLAN concepts, networking architecture, and typical networking solutions	10%	13%	Optimized basic WLAN concepts, networking architecture, and typical WLAN networking solutions.
5. Introduction to Huawei VRP and Basic AP Operations	4%	5%	Optimized the description of the VRP system, AP upgrade, and fat AP configurations.
6. WLAN Access Security Technologies and Related Configurations	7%	6%	Optimize WLAN access security technologies.
7. WLAN Access Configuration	7%	10%	Optimized the WLAN configuration process and added the number of optional experiments.
8. WLAN Troubleshooting	10%	10%	Deleted the description of eSight.
9. WLAN Antenna Technology	5%	5%	Optimized the basic introduction to WLAN antennas and added the introduction to WLAN antenna selection.
10. WLAN Deployment Overview	15%	7%	Optimized the WLAN planning process and typical cases, and deleted the WLAN planning tool description.

二、Changes in Lab Manuals

Knowledge points	V2.0	V3.0	Change Description
1. Basic VRP configuration	0%	5%	Added basic VRP experiments for engineers without Huawei technical knowledge.

2. WLAN device upgrade	0%	15%	Added the AC and AP upgrade experiment to enhance the actual operation capability of engineers.
3. Test on Layer 2 bypass WLAN networking	35%	20%	The experiment content is simplified and the original basic configuration experiment is incorporated.
4. Test on Layer 3 bypass WLAN networking	35%	25%	Simplified the experiment content and incorporated the original security configuration experiment.
5. WLAN RF Resource Management Experiment	0%	15%	Added the contents of network optimization experiments.
6. WLAN Troubleshooting Basics	0%	20%	Added the WLAN troubleshooting experiment.
7. eSight WLAN NMS Experiment	30%	0%	Deleted eSight-related experiments.

三、Exam Point Changes

Knowledge points	V1.0	V2.0	Change Description
1. WLAN Overview	10%	2%	Simplify some basic contents.
2. WLAN Technology Basics	11%	16%	Increase the proportion of WLAN technology basic exams.
3. WLAN Networking Model	15%	7%	The exam scope remains unchanged, and the proportion is reduced.
4. Introduction to Wi-Fi 6 Technologies and Products	5%	13%	Added descriptions about Wi-Fi 6.
5. Working Principles of WLAN	15%	18%	Added the proportion of WLAN working principles exams.
6. Introduction to the VRP and AC Initialization Configuration	7%	5%	Simplify basic experiment appraisal contents.
7. WLAN Security	7%	7%	
8. WLAN Access Configuration	10%	10%	
9. WLAN Troubleshooting	5%	10%	Added the percentage of fault rectification.
10. WLAN Antenna Technology	10%	5%	Reduce the proportion of antenna courses.
11. WLAN Deployment Overview	5%	7%	Added project deployment.