COMPTIA A+ CORE 1 (220-1001) EXAM CHAPTER 20: WIRELESS NETWORKING

OBJECTIVE MAPPING*

EPISODE: WIRELESS NETWORK HARDWARE

CORE 1 EXAM OBJECTIVES

DOMAIN 2.0 - NETWORKING

2.2 Compare and contrast common networking hardware devices

- Access points

CORE 2 EXAM OBJECTIVES**

DOMAIN 2.0 - SECURITY

2.10 Given a scenario, configure security on SOHO wireless and wired networks

- Wireless-specific
  - Antenna and access point placement

EPISODE: WI-FI STANDARDS

CORE 1 EXAM OBJECTIVES

DOMAIN 2.0 - NETWORKING

2.4 Compare and contrast wireless networking protocols

- 802.11a
- 802.11b
- 802.11g
- 802.11n
- 802.11ac
- Frequencies
  - 2.4Ghz
  - 5Ghz
- Channels
  - 1–11

EPISODE: BASIC WAP SETUP

CORE 1 EXAM OBJECTIVES

DOMAIN 2.0 - NETWORKING

2.10 Given a scenario, configure security on SOHO wireless and wired networks

- Wireless-specific
  - Changing default SSID
  - Radio power levels

EPISODE: CONNECTING TO A WI-FI NETWORK

2.3 Given a scenario, install and configure a basic wired/wireless SOHO network

EPISODE: IT'S A HUGH MESH

CORE 1 EXAM OBJECTIVES

DOMAIN 2.0 - NETWORKING

2.7 Compare and contrast Internet connection types, network types, and their features
- Network types
  - WMN

EPISODE: BEYOND WI-FI

CORE 1 EXAM OBJECTIVES

DOMAIN 1.0 – MOBILE DEVICES

1.5 Given a scenario, connect and configure accessories and ports of other mobile devices
- Connection types
  - Wireless
    - NFC
    - Bluetooth

DOMAIN 2.0 - NETWORKING

2.4 Compare and contrast wireless networking protocols

- Bluetooth
- NFC
- RFID

2.7 Compare and contrast Internet connection types, network types, and their features

- Network types
  - PAN

DOMAIN 3.0 - HARDWARE

3.6 Explain the purposes and uses of various peripheral types

- NFC/tap pay device

EPISODE: TROUBLESHOOTING WIRELESS CONNECTIONS

CORE 1 EXAM OBJECTIVES

DOMAIN 2.0 - NETWORKING

2.8 Given a scenario, use appropriate networking tools

- Wi-Fi analyzer

DOMAIN 5.0 - HARDWARE AND NETWORK TROUBLESHOOTING

5.7 Given a scenario, troubleshoot common wired and wireless network problems
- Common symptoms
  - Low RF signal
  - SSID not found

*This document can be used to determine what CompTIA A+ exam objectives are in each episode, as well as map where those objectives are in the official "CompTIA A+ 220-1001 Exam Objectives (2.0)" PDF resource that accompanies this course.

**Why am I seeing different Core exams than what I'm studying? In some cases, you may be watching a video series that focuses on the Core 1 exam, however some of the episodes contain Core 2 exam objectives, or vice versa. There are 2 reasons for this: 1) The other Core exam topic is covered to give you a better, fuller understanding of the surrounding topics, and 2) Some episodes contain information from both Core exams because the topics coincide with each other and are more easily taught in 1 episode than breaking them out into separate episodes.