

# HPE7-A07 Frequent Updates & Reliable HPE7-A07 Exam Simulator

```
(MC2) #show auth-tracebuf mac 70:4d:7b:10:9e:c6 count 27
Warning: user debug is enabled on one or more specific MAC addresses;
only those MAC addresses appear in the trace buffer.

Auth Trace Buffer
-----
Jun 29 20:56:51 station-up      * 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6 - - wpa2 aes
Jun 29 20:56:51 eap-id.req      <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6 1 5
Jun 29 20:56:51 eap-start      <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6 - -
Jun 29 20:56:51 eap-id.req      <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6 1 5
Jun 29 20:56:51 eap-id.resp     >- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6 1 7 18
Jun 29 20:56:51 rad.req        <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6 42 174 10.1.140.101
Jun 29 20:56:51 eap-id.resp     >- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6 1 7 35
Jun 29 20:56:51 rad.resp       <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6/RADIUS1 42 88
Jun 29 20:56:51 eap.req        <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6 2 6
Jun 29 20:56:51 eap.resp       <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6 2 214
Jun 29 20:56:51 rad.req        <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6/RADIUS1 43 423 10.1.140.101
Jun 29 20:56:51 rad.resp       <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6/RADIUS1 43 228
Jun 29 20:56:51 eap.req        <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6 3 146
Jun 29 20:56:51 eap.resp       <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6 3 81
Jun 29 20:56:51 rad.req        <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6/RADIUS1 44 278 10.1.140.101
Jun 29 20:56:51 rad.resp       <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6/RADIUS1 44 128
Jun 29 20:56:51 eap.req        <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6 4 46
Jun 29 20:56:51 eap.resp       <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6 4 46
Jun 29 20:56:51 rad.req        <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6/RADIUS1 45 255 10.1.140.101
Jun 29 20:56:51 rad.accept     <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6/RADIUS1 45 271
Jun 29 20:56:51 eap.success    <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6 4 4
Jun 29 20:56:51 user registry change * 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6 65535 - 204c0306e799008000170000
Jun 29 20:56:51 macsec key change * 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6 65535 - 70:4d:7b:10:9e:c6
Jun 29 20:56:51 wpa2-key1      <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6 - 117
Jun 29 20:56:51 wpa2-key2      <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6 - 117
Jun 29 20:56:51 wpa2-key3      <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6 - 151
Jun 29 20:56:51 wpa2-key4      <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c6 - 95
```

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## HP HPE7-A07 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>Connectivity: The topic covers developing configurations, applying advanced networking technologies, and identifying design flaws. It tests the skills of a senior HP RF network engineer in creating reliable, high-performing networks tailored to specific customer needs.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>Network Resiliency and Virtualization: This section of the Aruba Certified Campus Access Mobility Expert Written exam assesses the expertise of a senior HP RF network engineer in designing and troubleshooting mechanisms for resiliency, redundancy, and fault tolerance. It is crucial for maintaining uninterrupted network services.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>Security: This topic evaluates the ability of a senior HP RF network engineer to design and troubleshoot security implementations, focusing on wireless SSID with EAP-TLS and GBP. It ensures the network is secure from unauthorized access and threats.</li></ul>
Topic 4	<ul style="list-style-type: none"><li>Routing: This Aruba Certified Campus Access Mobility Expert Written exam section measures the ability to design and troubleshoot routing topologies and functions, ensuring that data efficiently navigates through complex networks, a key skill for HP solutions architects.</li></ul>
Topic 5	<ul style="list-style-type: none"><li>WLAN: This HP HPE7-A07 Exam Topic tests the ability of a senior RF network engineer to design and troubleshoot RF attributes and wireless functions. It also includes building and troubleshooting wireless configurations, critical for optimizing WLAN performance in enterprise environments.</li></ul>
Topic 6	<ul style="list-style-type: none"><li>Troubleshooting: This topic of the HP HPE7-A07 exam assesses skills of a senior HP RF network engineer in troubleshooting. It also assesses the ability to remediate issues in campus networks. It is vital for ensuring network reliability and minimizing downtime in critical environments.</li></ul>
Topic 7	<ul style="list-style-type: none"><li>Switching: Senior HP RF network engineers must demonstrate proficiency in implementing and troubleshooting Layer 2</li><li>3 switching, including broadcast domains and interconnection technologies. This ensures seamless and efficient data flow across network segments.</li></ul>

## Reliable HPE7-A07 Exam Simulator, HPE7-A07 Updated Test Cram

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## HP Aruba Certified Campus Access Mobility Expert Written Exam Sample Questions (Q34-Q39):

### NEW QUESTION # 34

The wireless administrator for a college campus is getting reports of connectivity issues when students are working outdoors.

Current settings:

**Access Points** | Switches | Gateways

**Radios**  
RF management configuration to optimize the wireless coverage for network.

ACTIVATE OPTIMIZATION ☒

Automatically deploy optimization at  
05:00 ▼

WIRELESS COVERAGE TUNING

Conservative | Balanced (Recommended) | Aggressive

5 GHz

Conservative | Balanced (Recommended) | Aggressive

6 GHz

Conservative | Balanced (Recommended) | Aggressive

**2.4 GHz RADIO** | **5 GHz RADIO**

1,6,11 | 36,40,44,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140,144,148,152,156,160,164,168,172,176,180

Min | Max | Min

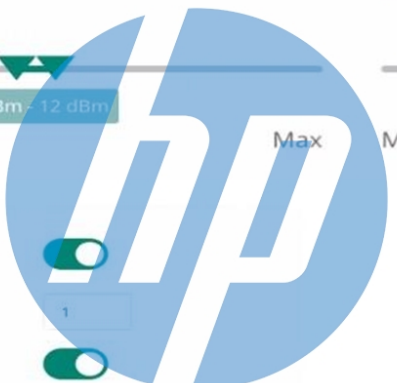
6 dBm - 12 dBm | 6 dBm - 12 dBm

**Fast Roaming**

802.11r: ☒

MDID: 1

802.11k: ☒



Reviewing the settings above, what change is needed to align with best practices?

- **A. increase 5GHz TX power range Min/Max.**
- B. Disable 802.11r.
- C. increase 5 GHz wireless coverage tuning to Aggressive.
- D. Disable 802.11k.

**Answer: A**

Explanation:

To address connectivity issues when students are working outdoors, increasing the transmission (TX) power range for the 5GHz radios can help improve signal strength and coverage. The setting shown indicates a conservative approach to power settings, which might not provide sufficient coverage for outdoor areas. By increasing the power range, you can extend the wireless signal reach, which aligns with best practices for outdoor wireless coverage.

### NEW QUESTION # 35

You are troubleshooting a WLAN deployment with APs and gateways set up with an 802.1X tunneled SSID.

End-users are complaining that they can't connect to the enterprise SSID. Which possible AP tunnel states could be the cause of the issue? (Select two.)

- **A. SM\_STATE\_SURVIVING**
- B. SM\_STATE\_REKEYING
- C. SM\_STATE\_CONNECTED
- D. SM\_STATE\_SURVIVED
- **E. SM\_STATE\_CONNECTING**

**Answer: A,E**

Explanation:

Comprehensive and Detailed Explanation From Exact Extract of HPE Aruba Networking Switching:

In Aruba gateway/AP tunnel state reporting, the following tunnel state semantics apply:

\* SM\_STATE\_CONNECTING - indicates the AP has received tunnel configuration/keys and is attempting to bring up the tunnel; the tunnel is not yet available for client traffic.

\* SM\_STATE\_SURVIVING - indicates the AP is in a survival/fallback condition (for example, it did not receive a fresh tunnel key and is attempting resolution via IKE); this state reflects a problem condition that can prevent successful client connectivity.

By contrast:

\* SM\_STATE\_CONNECTED - indicates the IPsec tunnel to the endpoint is established and available.

\* SM\_STATE\_REKEYING - indicates a rekey operation is in progress; the session is being updated, not necessarily failed.

\* SM\_STATE\_SURVIVED - indicates the AP completed survival procedures and the IPsec tunnel is available.

Because end-users cannot connect, the problematic states are those where the tunnel is not up in normal service:

SM\_STATE\_CONNECTING and SM\_STATE\_SURVIVING.

References: \* ArubaOS/ArubaOS 10 Gateway and AP Tunnel State Descriptions; Command Reference for tunnel endpoint status and state-machine definitions (section describing CONNECTING, SURVIVING, SURVIVED, CONNECTED, and REKEYING states). \* Aruba Campus WLAN Design and Operations Guide; Troubleshooting AP-to-Gateway IPsec Tunnel States (tunnel state meanings and client impact).

### NEW QUESTION # 36

Exhibit.

```
(MC2) #show auth-tracebuf mac 70:4d:7b:10:9e:c6 count 27
```

Warning: user-debug is enabled on one or more specific MAC addresses;  
only those MAC addresses appear in the trace buffer.

Auth Trace Buffer

```
-----
Jun 29 20:56:51 station-up      * 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0 - - wpa2 aes
Jun 29 20:56:51 eap-id-req    <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0 1 5
Jun 29 20:56:51 eap-start     -> 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0 - -
Jun 29 20:56:51 eap-id-req    <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0 1 5
Jun 29 20:56:51 eap-id-resp   -> 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0 1 7 it
Jun 29 20:56:51 rad-req       -> 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0 42 174 10.1.140.101
Jun 29 20:56:51 eap-id-resp   -> 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0 1 7 it
Jun 29 20:56:51 rad-resp     <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0/RADIUS1 42 88
Jun 29 20:56:51 eap-req      <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0 2 6
Jun 29 20:56:51 eap-resp     <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0 2 214
Jun 29 20:56:51 rad-req      <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0/RADIUS1 43 423 10.1.140.101
Jun 29 20:56:51 rad-resp     <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0/RADIUS1 43 228
Jun 29 20:56:51 eap-req      <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0 3 146
Jun 29 20:56:51 eap-resp     <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0 3 61
Jun 29 20:56:51 rad-req      <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0/RADIUS1 44 270 10.1.140.101
Jun 29 20:56:51 rad-resp     <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0/RADIUS1 44 128
Jun 29 20:56:51 eap-req      <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0 4 46
Jun 29 20:56:51 eap-resp     <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0 4 46
Jun 29 20:56:51 rad-req      <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0/RADIUS1 45 255 10.1.140.101
Jun 29 20:56:51 rad-accept  <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0/RADIUS1 45 231
Jun 29 20:56:51 eap-success  <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0 4 4
Jun 29 20:56:51 user repkey change 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0 65535 - 204c0306e7900000000170008
Jun 29 20:56:51 macuser repkey change 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0 65535 - 70:4d:7b:10:9e:c6
Jun 29 20:56:51 wpa2-key1     <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0 - 117
Jun 29 20:56:51 wpa2-key2     <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0 - 117
Jun 29 20:56:51 wpa2-key3     <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0 - 151
Jun 29 20:56:51 wpa2-key4     <- 70:4d:7b:10:9e:c6 70:3a:0e:5b:0a:c0 - 95
```

Which wireless connection phase has Just been completed?

- A. 802.11 enhanced open association
- B. MAC Authentication and 4-way handshake
- C. L3 authentication and encryption
- **D. L2 authentication and encryption**

**Answer: D**

Explanation:

The wireless connection phase that has just been completed is L2 authentication and encryption. This phase includes processes such as the Extensible Authentication Protocol (EAP) exchange, RADIUS requests and responses, and the 4-way handshake which is characteristic of WPA2-AES encryption.

### NEW QUESTION # 37

A customer with a gateway connected to a device on gigabitethernet 0/0/3 configures an Asset ID TLV on the device for inventory management.

Refer to the exhibit.

```
#show lldp statistics interface gigabitethernet 0/0/3

LLDP Statistics
-----
Interface Received Unknown TLVs Malformed Transmitted
-----
GE0/0/3 130418 2 0 0

#show lldp neighbor interface gigabitethernet 0/0/3 detail
Interface: gigabitethernet 0/0/3, Number of neighbors: 1
-----

Chassis id: d8:c7:c8:ce:0d:63, Management address: 10.255.2.10
Interface description: eth0, ID: d8:c7:c8:ce:0d:63, MTU: 1522
Device MAC: d8:c7:c8:ce:0d:63
Time to live: 120, Expires in: 103 Secs
```

The customer mentions the Asset ID is not shown. What is causing the issue?

- **A. LLDP-MED needs to be enabled.**
- B. LLDP TX is not enabled.
- C. MTU size is too small.

- D. Unknown TLVs cannot be displayed.

**Answer: A**

Explanation:

- \* In Aruba gateways/switches, LLDP decodes and displays standard LLDP TLVs by default. LLDP- MED inventory TLVs (including Asset ID) are shown only when LLDP-MED is enabled.
  - \* When LLDP-MED is not enabled, received MED TLVs are counted as Unknown TLVs and are not decoded in the neighbor detail output.
  - \* In the exhibit, show lldp statistics shows "Unknown TLVs: 2" and show lldp neighbor ... detail displays only basic LLDP fields (Chassis ID, Mgmt Address, Port Description, MTU), with no MED inventory fields such as Asset ID. This is the expected symptom of LLDP-MED being disabled.
  - \* LLDP TX is not required to receive and display neighbor TLVs; the missing Asset ID is unrelated to transmit state. MTU is also not relevant to TLV decoding.
- References (HPE Aruba official materials): Aruba AOS-CX LLDP/LLDP-MED configuration-MED must be enabled to advertise/parse MED inventory TLVs (Asset ID, Serial, HW/FW/SW, etc.).

### NEW QUESTION # 38

Match each Group Based Policy (GBP) role description to its respective role ID.

GBP role ID = <100-8191>	GBP role ID = 2	GBP role ID = 0	Answer Area
			default GBP role
			infrastructure GBP role
			user-defined GBP role

**Answer:**

Explanation:

GBP role ID = <100-8191>	GBP role ID = 2	GBP role ID = 0	Answer Area
			default GBP role
			infrastructure GBP role
			user-defined GBP role

Explanation:

default GBP role = GBP role ID = 0  
infrastructure GBP role = GBP role ID = 2  
user-defined GBP role = GBP role ID = <100-8191>

### NEW QUESTION # 39


.....

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