

# Avaya

## Exam 132-S-900-7

### Specialist-IP Telephony Design Elective Exam

Version: 6.0

[ Total Questions: 76 ]

**Topic 1, A**

A

**Question No : 1 - (Topic 1)**

A customer has two sites connected over a 512k serial WAN link. There are 40 employees at the main site and 20 employees at the remote site. Since the server bank and all trunks terminate at the main location, the customer has concerns about the bandwidth over the WAN link. They request a network assessment.

Which two design considerations are pertinent to the bandwidth on the WAN link? (Choose two.)

- A. VLAN capable Ethernet switch
- B. telecommuters using IP Softphone to access network resources
- C. number of voice calls going through the WAN link during peak time
- D. graphic-based programs used on the network between the two sites

**Answer: C,D**

**Question No : 2 - (Topic 1)**

Within an S8500 Server, 25 IP telephony endpoints are simultaneously connected to 10 digital sets, 10 IP sets, and 5 CO trunks.

How many DSPs are in use if G.711 is incorporated?

- A. 15
- B. 25
- C. 30
- D. 50

**Answer: A**

**Question No : 3 - (Topic 1)**

An Avaya customer with a large contact center is IP enabling their S87xx and will allow 25 users to work from home via IP Agent in the Telecommuter mode.

What is the minimum hardware required in the S87xx to provide this application?

- A. one CLAN board only
- B. one Media Processor board only
- C. one CLAN and one Media Processor board
- D. no hardware is required, only software.

**Answer: A**

**Question No : 4 - (Topic 1)**

What needs to be considered at an Enterprise Survivability Server (ESS) location when implementing an agent recording solution?

- A. H.323 trunks
- B. locally sourced announcements
- C. Application Enablement Services (AES)
- D. Separation of Bearer and Signaling (SBS)

**Answer: C**

**Question No : 5 - (Topic 1)**

You are developing IP Telephony bandwidth requirements for WAN traffic between two S87xx sites. The client estimates that simultaneous non-IP Telephony traffic will occupy 1.5 Mbps. In addition, they estimate that using G.729, 55 simultaneous IP calls need to be provided access to the WAN link.

What estimated bandwidth will the IP Telephony traffic add to the WAN traffic?

- A. 1.5 Mbps
- B. 275 Kbps
- C. 1650 Kbps
- D. 4675 Kbps

**Answer: C**

**Question No : 6 - (Topic 1)**

Which two recommendations of a network assessment allow Avaya IP phones to boot up properly with dynamic addressing? (Choose two.)

- A. DHCP Site Specific Option 167 being set up correctly
- B. DHCP Site Specific Option 176 being set up correctly
- C. using Fast Spanning Tree Protocol (FSTP) at the port level
- D. turning off Spanning Tree Protocol (STP) at the switch level

**Answer: B,C**

**Question No : 7 - (Topic 1)**

Which of the following does a typical Cisco design include?

- A. Right to Use for Call Manager
- B. Right to Use for Growth
- C. Right to Use for Phones
- D. Right to Use for Redundancy

**Answer: C**

**Question No : 8 - (Topic 1)**

Your client is planning to implement IP Telephony on their recently installed S8500. y will have local IP sets and IP connected remote users (IP Softphone). In addition, they need connectivity to a limited-bandwidth WAN between headquarters and their manufacturing plant. The client is interested in setting up network regions.

What are three reasons to consider network regions in your overall design? (Choose three.)

- A. to associate parameters such as codecs and locations to groups of IP endpoints
- B. to provide IP endpoints certain mandatory use of resources that belong in the same region as the endpoint
- C. to provide IP endpoints certain preference to use resources that belong in the same

region as the endpoint

**D.** to associate IP endpoints with a type of signaling resource (CLANS) to load balance registration among the CLANS in multiple regions

**E.** to associate IP endpoints with a type of signaling resource (CLANS) to load balance registration among the CLANS in the same region

**Answer: A,C,E**

**Question No : 9 - (Topic 1)**

A client is implementing an S87xx Media Server with several G650 Media Gateways. They are concerned with overheating in the equipment room, especially in the equipment power units.

Which two conditions cause a G650 power supply to initiate an emergency shutdown? (Choose two.)

- A.** overvoltage
- B.** overheating
- C.** undervoltage
- D.** high humidity

**Answer: A,B**

**Question No : 10 - (Topic 1)**

The customer plans to add remote IP users when they implement VoIP on their network.

What information about the customer's data network do you need to know to verify that remote users can be supported? (Choose three.)

- A.** codec administration
- B.** network region for each remote user
- C.** applications the remote user will be using
- D.** bandwidth the remote user will have access to
- E.** the average round trip between the VPN users and the voice network

**Answer: C,D,E**

**Question No : 11 - (Topic 1)**

A customer wants to use an Avaya S87xx Media Server with Avaya G700 Gateways at remote sites. Each G700 Gateway will include an S8300 Local Survivable Processor and approximately 75 IP sets incorporating G.711.

What Avaya feature allows IP sets to register with the S8300 if connectivity to the S87xx is lost?

- A. Local CLAN board
- B. Alternate Gatekeeper
- C. S8300 Auto-Registration
- D. Gateway Alternate Redirection

**Answer: B**

**Question No : 12 - (Topic 1)**

A customer has a four-floor building with 170 IP phones per floor and no other locations. The networks are as follows:

Floor 1 - 192.168.10.0/24

Floor 2 - 192.168.20.0/24

Floor 3 - 192.168.30.0/24

Floor 4 - 192.168.40.0/24

The customer would like to add 150 IP telephone sets on each floor.

What action, if any, would accommodate the additional IP telephone sets and be the least disruptive to the network?

- A. no action
- B. change to a class A network