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**QUESTION 1**

You have just installed a G700 Gateway with LSP at a remote location. The G700 will be placed in Network Region 5, and register with an S8500 Media Server at the corporate headquarters. What should you do to configure the QoS settings for the G700 in Network Region 5?

- A. Log in to the S8500 and configure the network map
- B. Log in to the S8300 LSP and configure the Network Region Form
- C. Log in to the G700 and configure the Network Region for the remote site
- D. Log in to the S8500 and configure Network Region Form for the remote site

Correct Answer: D

QUESTION 2

Which two design considerations must be re-examined any time additional capacity is added to an Enterprise Survivable Server (ESS) strategy? (Choose two.)

- A. avoid fragmenting the system
- B. avoid overloading of network resources with excessive call traffic
- C. avoid locally sourced Music on Hold (MOH) and Voice Announcements over LAN (VAL)
- D. consider the number and type of trunks between ESS and Local Survivable Processor (LSP) locations

Correct Answer: AB

QUESTION 3

Your client's department store business has 24 locations worldwide. Each location has its own communications switch and is included in a QSIG network. The stores have standardized on specific extension numbers representing departments. The client is considering moving to a single, distributed S8700 system but is concerned with the loss of dial plan functionalities. How do you address the client's concern?

- A. provide Uniform Dial Plan software
- B. utilize ACM Multi-location Dial Plan software
- C. create unique extensions per location for each application
- D. relate that standard S87xx dial plan software will address the issues

Correct Answer: B

QUESTION 4



Several Avaya G700 Media Gateways controlled by an Avaya S8300 Media Server have been proposed to a multi-location customer. The customer has an existing WAN and has expressed concern about backup if the primary S8300 Media Server fails. Which is the best option to provide increased survivability?

- A. a separate WAN link to each site
- B. a dedicated survivable G350 LSP
- C. an LSP implemented on a remote location G700
- D. an LSP at the main location on the same G700 where the S8300 resides

Correct Answer: C

QUESTION 5

Your client is considering a VoIP application for their S8500 Media Server and G650 Media Gateway. Due to the time-sensitive nature of VoIP applications, several issues should be discussed prior to arriving at a final design. Which two VoIP guidelines should you discuss with the customer? (Choose two.)

- A. VoIP should be implemented on an entirely switched network.
- B. VoIP will cause some discourse due to lower voice quality than TDM calls.
- C. VoIP endpoints should be placed on separate subnets or VLANs based on communities of interest.
- D. When PCs are attached to IP phones, the uplink to the Ethernet switch should be at least 20 Mbps.

Correct Answer: AC

QUESTION 6

A sales engineer completes an S87xx Media Server/G650 Media Gateway design which includes IP Telephony, multi-locations, and LAN/WAN integration. One of the deliverables for handoff to the implementation team is the network region design. What four IP endpoint characteristics may be included in the network region design document? (Choose four.)

- A. codec set
- B. UDP port ranges
- C. 802.1p/Q settings
- D. VLAN assignments
- E. identification of locations

Correct Answer: ABCE

QUESTION 7



A major call center outsourcer is in the process of implementing a disaster recovery location and is placing an S8500 Media Server configured as an Enterprise Survivable Server (ESS) at their backup facility. To successfully design a solution that meets the customer needs for survivability and prioritization, what must be done when deploying and administering the ESS servers? (Choose two.)

- A. Avoid overloading the network resources with excessive call traffic
- B. Avoid fragmenting the system so the ESS server controls as much of the network as possible
- C. Ensure that the Manual Backup Server is configured in the priority list of each IP Server Interface (IPSI)
- D. Ensure that every Local Survivable Processor (LSP) is aware of any G650 Media Gateways that will register to it in the event of a network outage

Correct Answer: AB

QUESTION 8

Your Customer plans to move their existing G3r High system to the latest Media Server Technology. Which platform will give them the same level of reliability?

- A. S8500 media server
- B. S87xx media server
- C. S8400 media server
- D. S8300 media server

Correct Answer: B

QUESTION 9

In a converged solution, including IP Telephony and merging data and voice on the same network, what common data security item should be considered?

- A. IP monitor watch
- B. LAN monitor watch
- C. codec security bridge
- D. internal and external firewalls

Correct Answer: D

QUESTION 10

In reviewing the network assessment, you find the customer includes Category (CAT) 3 and Category 5 wiring in place. One of the customer's goals is to have an infrastructure that is able to support voice and data needs for at least 10 years. What two solutions should you discuss with the customer? (Choose two.)



- A. CAT 5 and CAT 6 gigabit cabling
- B. upgrading CAT 3 to CAT 5 to support 100 Mb bandwidth
- C. upgrading to CAT 5 to support 200 Mb bandwidth capability
- D. replacing CAT 3 with CAT 5 to provide sets requiring greater distances

Correct Answer: AB

QUESTION 11

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

Correct Answer: BC

QUESTION 12

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
- C. change subnet mask to 25 bits
- D. change the subnet mask to 23 bits

Correct Answer: D

QUESTION 13

Why is Port Usage Rate (PUR) a better measurement than Call Usage Rate (CUR) to evaluate how busy a system is in support of call volume?

- A. Busy ports can be identified, occupied time slots cannot.



- B. Occupied time slots can be identified, busy ports cannot.
- C. PUR uses more precise equations to calculate results than CUR.
- D. PUR is based on Centum Call Seconds (CCS), which are more widely understood.

Correct Answer: A

QUESTION 14

When optimizing the customer's WAN for both voice and bandwidth considerations, what techniques can most adversely effect router performance? (Choose two.)

- A. Reducing the Maximum Transmission Unit (MTU)
- B. RTP Header Compression
- C. Link Fragmentation and Interleaving (LFI)
- D. Increasing the Jitter Buffer

Correct Answer: AB

QUESTION 15

During the solution design process, the client should provide you with information on factors that may affect voice quality over their WAN. These existing WAN factors need to be considered when implementing a new IP Telephony application. What information should you request from the client? (Choose three.)

- A. serialization delay
- B. WAN routing protocol
- C. available WAN bandwidth
- D. available IP to IP endpoint LAN bandwidth

Correct Answer: ABC

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