Exam Code: 920-141

Exam Name: NNCDS-Communication Server(cs)1000 release 4.0

Vendor: Nortel

Version: DEMO

Part: A

1: A customer wants to configure the Enterprise Media Gateways (EMG) on their CS 1000 Rls. 4.0 system for survivability. They also need to interpret the network requirements for the system. Which configuration ensures network survivability?
A.The survivable EMG TLAN IP address must be on the same TLAN subnet as the Call Server.
B.The survivable EMG ELAN IP address must be on the same ELAN subnet as the Call Server.
C.The survivable EMG ELAN IP address must be on a different ELAN subnet than the Call Server.
D.The survivable EMG must be separated from the Call Server by a Layer 3 device networked with the two Call Servers.
Correct Answers: B

2: A customer is considering the deployment of the a H.323 Gatekeeper in failsafe mode for a CS 1000 Rls. 4.0 solution. Which statement most accurately describes why you would recommend this configuration?
A.Communication to the primary and secondary H.323 Gatekeepers will never be lost.
B.The Failsafe H.323 Gatekeeper within a gatekeeper zone takes over gatekeeper responsibilities for all of its peers within the zone.
C.If communication is lost with the primary H.323 Gatekeeper, the secondary gatekeeper will become the primary and run in failsafe mode.
D.If communication is lost to both gatekeepers, the H.323 Gateway running the failsafe gatekeeper services will continue to route calls in a best-effort fashion until communication is restored.
Correct Answers: D

3: A company is planning the deployment of a new CS 1000 Rls. 4.0 system and requires ultra-high reliability. How would campus redundancy meet their needs?
A.It provides an optionally redundant Signaling Server.
B.It moves the Gatekeeper to a standalone Signaling Server.
C.It duplicates the entire processing core of a CS 1000E fault resilient system.
D.It provisions an Enterprise Media Gateway 1000E as a CS 1000E Call Server.
Correct Answers: C

4: In the process of provisioning a CS 1000S Rls. 4.0 system, a customer wants to include a branch office into the configuration with 50 analog and 400 IP Phones. Each IP Phone carries 6 Centi-Call Seconds (CCS) each; 50% of the calls go to other IP Phones and 50% go to analog telephones. The Voice Gateway Media Cards (VGMCs) for the Enterprise Media Gateway 1000B have a call capacity of 794 CCS. How many VGMCs will be needed?
A.one
B.two
C.three
D.four
Correct Answers: A

5: What is a the benefit of networking several CS 1000S Rls 4.0 system Call Servers together through LAN or WAN connections under the control of one Network Redirect Server (NRS)?
A.Double Virtual Trunk resources are used for intra-system, inter-Call Server calls.
B.IP Phones with a known community of interest can be registered on the same Call Server.
C.AMIS and VPIM networking of the voice messaging systems is more efficient using the NRS.
D.MCDN can be enabled providing Enterprise-wide feature transparency between the systems.
Correct Answers: D

6: When designing a geographic redundancy scheme for a CS 1000M Rls. 4.0 system, the failsafe Network Routing Service (NRS) must reside on which component in case network communications are lost with the Primary and Alternate NRS?
A.the Signaling Server designated as the Leader
B.the Signaling Server designated as the Follower
C.on both the Follower and the Leader Signaling Server
D.the CS 1000E Call Server that resides on the secondary system
Correct Answers: A

7: A company has a geographically dispersed workforce with laptop computers. They connect their PCs to the company intranet via cable modems and/or DSL over VPN using IPSec. They plan to deploy IP Softphone 2050s. A network assessment shows some shared Ethernet hubs between the VPN server and the CS 1000 Rls. 4.0. At a minimum, what is required to enable a deployment of the telephones?
A.Layer 3 switches with gigabit uplink
B.Layer 3 switches with VLAN support
C.Layer 2 switches with 802.1p support
D.Layer 2 switches with DiffServ capabilities
Correct Answers: C

8: A company plans to deploy a CS 1000M-SG Rls. 4.0 system at their headquarters. Some of their call center agents are located in a branch office. They want all applications to be centrally located and managed at the headquarters. Agents are to access services via an IP connection and get local access to the PSTN through PRI connections. What should the company consider as part of their traffic plan? (Choose three.)
A.the number of PRI cards for ESN access
B.the creation of private zone for the agents
C.the engineering requirements for Multimedia Processing Units (MPUs)
D.the total WAN requirements for data between the branch office and the main office
E.the total WAN bandwidth required for the remote call center agent telephony needs
Correct Answers: B D E

9: In the process of designing a CS 1000 Rls. 4.0 system per the customer specifications, you need to order two Enterprise Media Gateway 1000T (EMG 1000T) and eight EMG 1000E systems. Each EMG 1000T will have three digital trunk cards (TMDI) and the EMG 1000E systems are

provisioned for digital and analog lines. At a minimum, how many Clock Controllers are required?
A.two
B.three
C.six
D.ten
Correct Answers: A

10: A customer has a CS 1000M-SG Rls. 4.0 system installed with one Signaling Server with 512 MB of memory. This system networks to multiple sites with VoIP using 200 IP Peer H.323 trunks. Because additional sites have been added, the customer needs to expand this network. To configure an additional 200 IP Peer H.323 trunks, what must be done?
A.Add one IP Trunk card.
B.Just configure the additional trunks.
C.Add one additional Signaling Server.
D.Just purchase additional virtual trunk licenses.
Correct Answers: D

11: You have been requested to provide a CS 1000M Rls. 4.0 system quote for a customer with the following requirements: ? 35 ISDN PRI trunks (two T1/E1s) ? 16 analog Central Office trunks ? 5,250 IP Phones ? 297 analog telephones ? Two Attendant PC Consoles ? CallPilot 1002rp with 96 voice messaging channels ? Meridian Integrated Conference Bridge ?60 Ports ? Meridian Integrated RAN Large ? Music Broadcast for 60 users and RAN Broadcast for 60 users The customer requires Signal Server redundancy. Which system solution should you recommend?
A.CS 1000M-SG Rls. 4.0 with two Signaling Servers
B.CS 1000M-MG Rls. 4.0 with two Signaling Servers
C.CS 1000M-SG Rls. 4.0 with three Signaling Servers
D.CS 1000M-MG Rls. 4.0 with three Signaling Servers
Correct Answers: D

12: In a Geographic Redundancy (N+1) configuration, what should the customer be aware of before opting for this redundancy scheme?
A.The secondary system requires equivalent hardware specifications.
B.The primary and secondary systems must both be the same model systems.
C.The secondary system requires more administrative attention in exchange for more flexibility.
D.The secondary system may provide support for TDM telephones with additional licensing costs.
Correct Answers: C

13: When engineering a CS 1000 Rls. 4.0 system that contains Enterprise Media Gateway 1000E systems, what is the minimum amount of IP user licenses that must be ordered with the base package?
A.8
B.12
C.16
D.20

Correct Answers: C

14: A company with a CS 1000 Rls. 4.0 system plans to deploy IP Phone 2004s for its Call Center agents. How can you assure the company that the agents will have sufficient Digital Signal Processor (DSP) resources during peak traffic periods?
A.Program the agents in a separate node.
B.Use Private IP voice zones for the agents.
C.Provide for additional Media Processing Unit (MPU) requirements.
D.Create Layer 2 VLANs and divide up the agents to load balance the calls.
Correct Answers: B

15: When engineering a Geographic Redundancy (N+1) configuration for a CS 1000M Rls. 4.0 system, which statements are true? (Choose two.)
A.Primary and Secondary systems may be different system models.
B.Primary and Secondary systems must be identical system models.
C.TDM equipment can be dual-homed to the Primary and Secondary systems
D.Database replication for the Secondary Call Server must be performed manually.
E.Primary and Secondary systems must have a minimum release of CS 1000 Rls. 4.0 software.
Correct Answers: A D