

## Exam Questions 300-070

Implementing Cisco IP Telephony & Video, Part 1 v1.0

<https://www.2passeasy.com/dumps/300-070/>



#### NEW QUESTION 1

Which configuration output indicates a properly configured T1 digital voice interface?

- A. controller T1 0/0/0framing eslinecode b8zspri-group timeslots 1-24!
- B. isdn switch-type primary-ni!controller T1 0/0/0framing eslinecode b8zs!
- C. isdn switch-type primary-ni!controller T1 0/0/0framing eslinecode b8zspri-group timeslots 1-24isdn switch-type primary-ni!
- D. isdn switch-type primary-ni!controller T1 0/0/0framing eslinecode b8zs!dial-peer voice 1 potsdestination-pattern 54....direction-inward.dialport 0/0/0:23

**Answer:** C

#### NEW QUESTION 2

Which two can be targets of a route pattern? (Choose two.)

- A. gateway
- B. gatekeeper
- C. route group
- D. route list
- E. translation pattern
- F. CTI Port

**Answer:** AD

#### NEW QUESTION 3

What is the correct order for configuring call routing in Cisco Unified Communications Manager?

- A. gateway and SIP trunk, route group, route pattern, route list
- B. gateway and SIP trunk, route list, route group, route pattern
- C. gateway and SIP trunk, route group, route list, route pattern
- D. route list, gateway and SIP trunk, route group, route pattern

**Answer:** C

#### NEW QUESTION 4

Which two options can a route pattern be assigned? (Choose two.)

- A. a gateway that is not assigned to a route group
- B. a gateway that is assigned to a route group
- C. a route list with no route groups configured
- D. a route list with one or more route groups configured

**Answer:** AD

**Explanation:** Reference: [http://www.cisco.com/c/en/us/td/docs/voice\\_ip\\_comm/cucm/admin/7\\_1\\_2/ccmsys/accm-712cm/a03rp.html](http://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/admin/7_1_2/ccmsys/accm-712cm/a03rp.html) (Route Plan Overview)

#### NEW QUESTION 5

What is the best tool to test end verify a dial plan during the implementing phase?

- A. Translator X
- B. CUCM Dialed Number Analyzer.
- C. Real-Time Monitoring Tool.
- D. Cisco Prime Collaboration Tool.

**Answer:** B

#### NEW QUESTION 6

Which two codecs are the best codecs to use in WAN and LAN? (Choose two.)

- A. WAN codec G.711
- B. LAN codec G.729
- C. WAN codec G.729
- D. LAN codec G.711

**Answer:** CD

#### NEW QUESTION 7

Which parameter is required on MCU for ad hoc conferencing?

- A. Media Port reservation
- B. incoming calls to unknown conferences or auto-attendants
- C. DSP reservation for video
- D. MCU type
- E. MCU Conference Bridge SIP Port

**Answer:** A

#### NEW QUESTION 8

Which three are functions of Cisco Unified Border Element? (Choose three.)

- A. client registration
- B. H.323 and SIP interworking
- C. Lync interworking
- D. transcoding
- E. phone proxy
- F. mobile and remote access

**Answer:** BDE

#### NEW QUESTION 9

Which two describe how media resources and audio streams operate with Cisco Unified Communications Manager? (Choose two.)

- A. Audio streams are terminated differently depending on the signaling protocol, such as SCCP or SIP.
- B. Audio streams are always terminated by media resources.
- C. All media resources register with Cisco Unified Communications Manager.
- D. There are no situations in which IP phone-to-IP phone audio streams will go directly between endpoints.
- E. Signaling between Cisco Unified Communications Manager and hardware media resources uses the same protocol as the call-signaling type.

**Answer:** BC

#### NEW QUESTION 10

Which command is used to enter the DSP farm profile configuration mode?

- A. dspfarm-profile 100 transcode
- B. dspfarmprofile 100 transcode
- C. dspfarm profile 100 transcode
- D. dspfarm 100 profile transcode

**Answer:** C

#### NEW QUESTION 10

Which three items have a calling search space? (Choose three.)

- A. transcoder
- B. gateways
- C. phone lines
- D. phones
- E. partitions
- F. AAR groups

**Answer:** BCD

**Explanation:** Reference: <http://www.cisco.com/c/en/us/support/docs/voice-unified-communications/unifiedcommunications-manager-callmanager/22325-part-css-tn.html>

#### NEW QUESTION 11

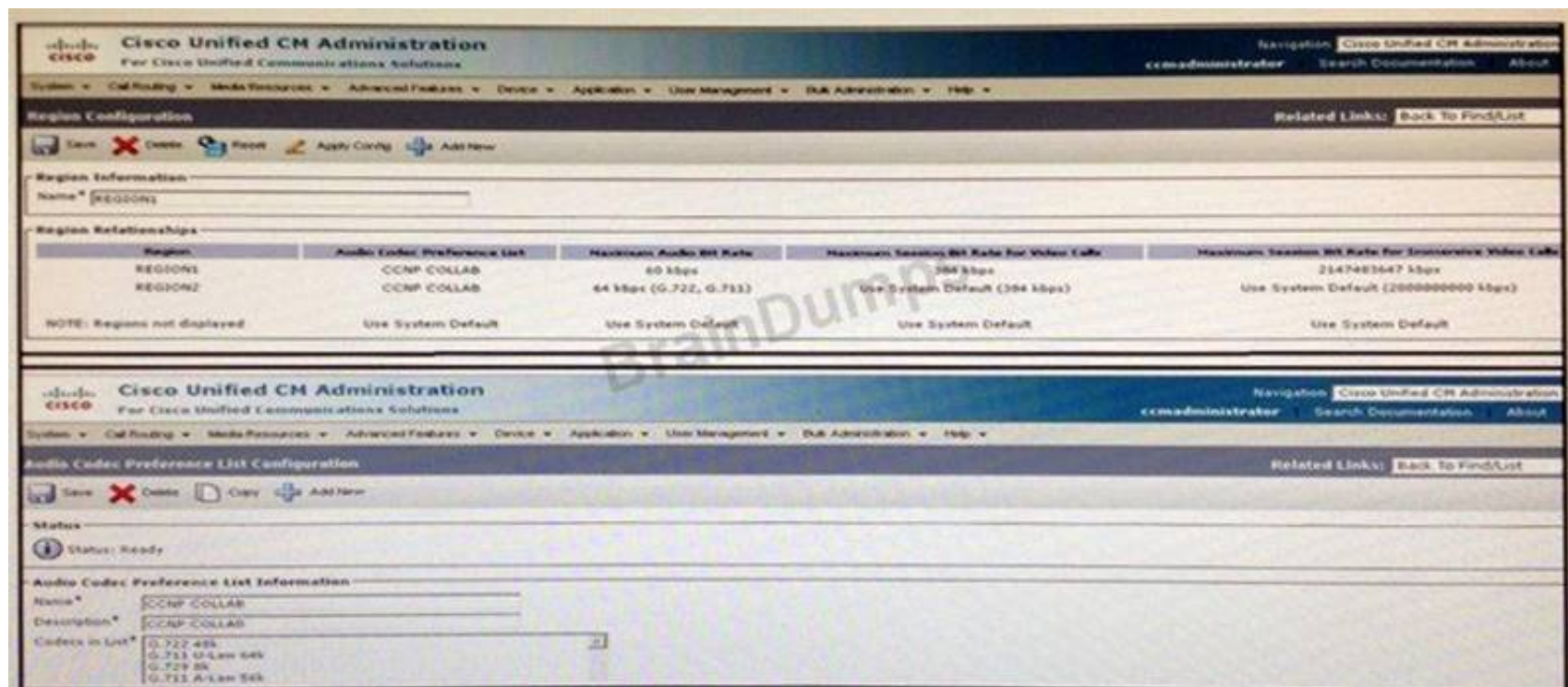
Which discard digits instruction removes the access code from a number before passing the number onto an adjacent system?

- A. PreDot
- B. PreAt
- C. NoDigits
- D. Trailing-#

**Answer:** A

#### NEW QUESTION 14

Refer to the exhibit.



An engineer is troubleshooting a codec negotiation issue where both endpoints that are involved in the call support the codecs listed in the exhibit. Which audio codec is selected if a call between two endpoints in Region 1 is placed?

- A. G722
- B. G729
- C. G711a
- D. G711u

Answer: A

#### NEW QUESTION 15

Which three configuration options are currently unsupported when configuring the Cisco Unified Border Element for videoconferencing? (Choose three)

- A. RSVP synchronization of H.323 calls.
- B. Multiple logical channels per call leg.
- C. H.323-to-SIP video traffic.
- D. FECC support.
- E. Video endpoints with different H.245 versions.
- F. Dual video/picture-in-picture.
- G. DSCP marking for video streams.

Answer: CEF

#### NEW QUESTION 20

Which tool would be useful for analyzing changes or additions to an existing dial plan?

- A. DRS
- B. car
- C. QRT
- D. dna

Answer: D

#### NEW QUESTION 25

Which two options are applications that support service categories in Cisco Unified Communications Manager? (Choose two)

- A. WAV
- B. Java MIDlet
- C. CSV
- D. XML

Answer: BD

#### NEW QUESTION 27

An organization with a centralized dial plan has user extensions as the last four digits of the external DID number. Some users at the head office have overlapping extensions with the users at the branch offices. Which action fixes this issue without changing user extensions and allowing users to call each other across sites?

- A. Use site codes.
- B. Use different CSSs for both sites.
- C. Place both extensions in different partitions.
- D. Change the number of digits in the internal extensions.

Answer: A

#### NEW QUESTION 29

The CSS on a line includes the partitions 911, internal and local. The CSS on the device includes the partitions 911, internal, local and long distance. Which CSS

will be used if the phone user dials a local number?

- A. The device CSS will be used since the device CSS is always used first on an IP phone.
- B. Since the dialed digits are a match to a partition in both Calling Search Spaces the call will use both matched partitions in both Calling Search Spaces in a round-robin format.
- C. If there is both a line and device CSS the line device will only be used.
- D. The line and device CSSs will be combined and the device CSS will take precedence.
- E. The line and device CSSs will be combined and the line CSS will take precedence.

**Answer:** E

#### NEW QUESTION 34

If the route patterns 5XXX, 51XX, 513X and 5134 exist within a call route database, which pattern would be matched if the dialed number was 5324?

- A. 5XXX
- B. 51XX
- C. 513X
- D. 5134

**Answer:** A

#### NEW QUESTION 39

Which two of these describe where phone services can appear on an IP phone and who can subscribe to phone services? (Choose two.)

- A. end user
- B. administrator
- C. end user and administrator
- D. Services button
- E. Services and Directories buttons
- F. Services, Directories, and Messages buttons

**Answer:** CF

#### NEW QUESTION 40

You are a Network Engineer at ABC Company. You want to ensure that when the contact center agent for the company makes an external call, the extension 897 654 300 is displayed. How do you resolve this issue?

- A. Configure a Line Text Label on the Directory Number configuration page.
- B. Configure an external phone number mask on the Directory Number configuration page.
- C. Configure a translation pattern with the pattern 897654300.
- D. Configure an external phone number mask on the Device configuration page.

**Answer:** B

#### NEW QUESTION 41

What is a VoIP dial peer?

- A. A nonaddressable call endpoint.
- B. A call routing mechanism to send and receive calls based on called or calling digits.
- C. A physical connection for call legs.
- D. A logical connection for call legs.

**Answer:** B

#### NEW QUESTION 42

Which two configuration items are necessary to configure Cisco Unified Border Element for video? (Choose two.)

- A. voice class codec
- B. voice translation-rule
- C. voice service voip
- D. dial-peer

**Answer:** CD

#### NEW QUESTION 43

Refer to the exhibit.

```
dial-peer voice 204 pots
description LLAMADA_CELULAR_SCZ_SALIENTE_SRST
destination-pattern 9[67].....$
port 0/1/0
forward-digits 7
```

What is the problem when 237 dials 972551915?



- A. The problem is in “forward-digits 7”; the dial peer should be with “forward-digits 9.”
- B. The problem is in “forward-digits 7”; the dial peer should be with “forward-digits 5.”
- C. The problem is in “forward-digits 7”; the dial peer should be with “forward-digits 2.”
- D. The problem is in “forward-digits 7”; the dial peer should be with “forward-digits 8.”

Answer: D

#### NEW QUESTION 45

A Cisco Unified Communications Manager group specifies a prioritized list of how many Cisco Unified Communications Managers?

- A. 1
- B. 2
- C. 3
- D. 4
- E. 5
- F. 6
- G. 7

Answer: D

#### NEW QUESTION 48

Refer to the exhibit. What CSS should be assigned to a phone in the Phones partition to block calls to international numbers while allowing all other calls?

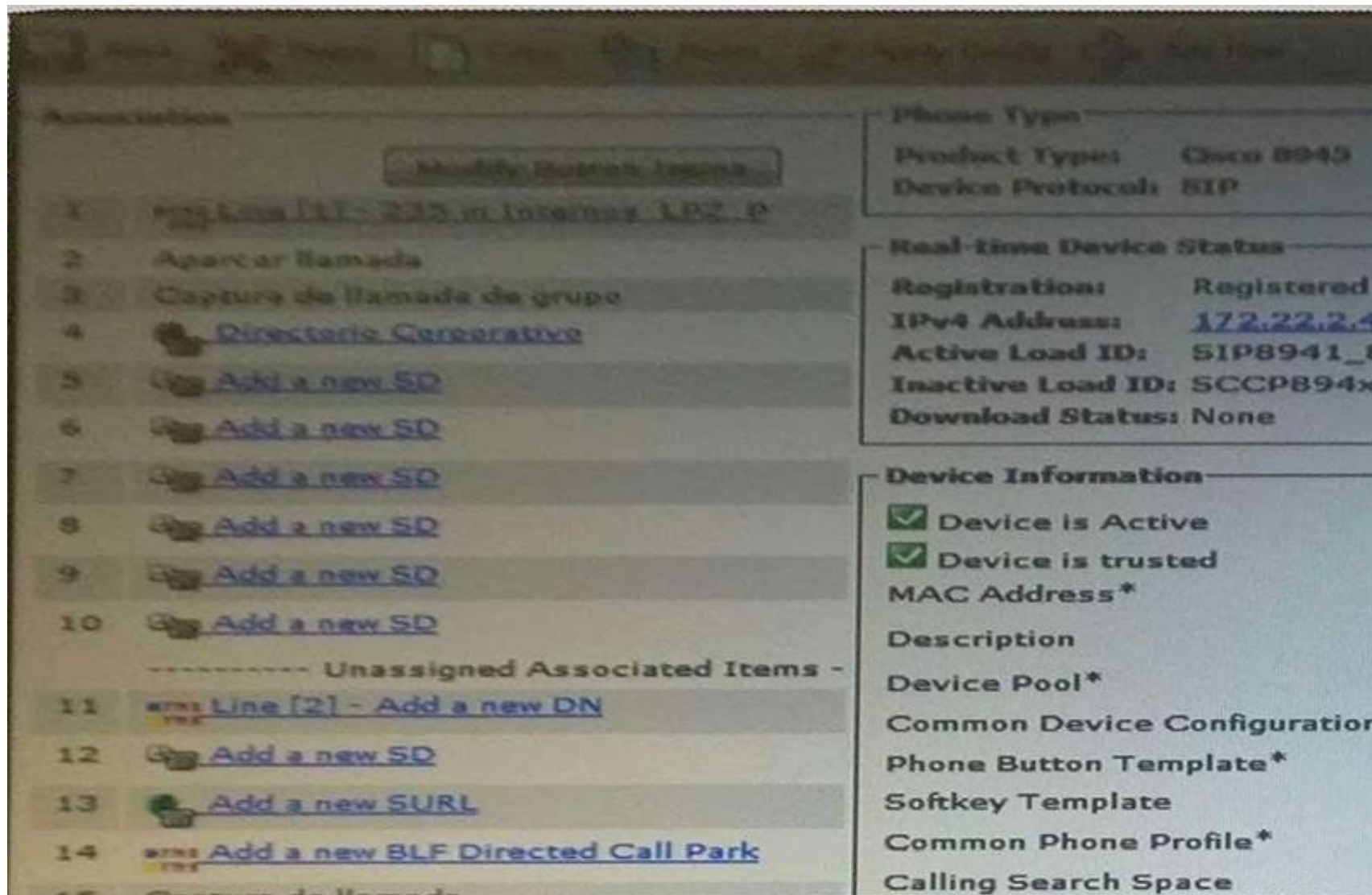
Partition = Phones	CSS A Phones International
Partition = Service_Numbers Route Pattern X11	CSS B LongDistance_PSTN
Partition = Local_PSTN Route Pattern X11 Route Pattern 9.@	CSS C Phones LongDistance_PSTN
Partition = LongDistance_PSTN Route Pattern X11 Route Pattern 9.[2-9]XXXXXX Route Pattern 9.1[2-9]XX[2-9]XXXXX	CSS D Phones Service_Numbers Local_PSTN LongDistance_PSTN
Partition = International Route Pattern 9.011!	

- A. CSS A
- B. CSS B
- C. CSS C
- D. CSS D

Answer: C

#### NEW QUESTION 50

Refer to the exhibit.



Which calling search space has the highest priority?

- A. Phone Configuration > Calling Search Space: CSS\_Internos.
- B. Phone Configuration > Calling Search Space: CSS\_Locales.
- C. Directory Number Configuration > Calling Search Space: CSS\_Locales.
- D. Directory Number Configuration > Calling Search Space: CSS\_Internos.

Answer: C

#### NEW QUESTION 55

By default, what value is voice traffic marked as on a Cisco Catalyst Switch?

- A. DSCP CAS6 value 21, Cos 3
- B. DSCP AF21 value 46, Cos 5
- C. DSCP EF value 46, Cos 7
- D. DSCP EF value 46, Cos 5

Answer: D

#### NEW QUESTION 59

Which statement best describes Urgent Priority operations in relation to call routing in Cisco Unified Communications Manager?

- A. An Urgent Priority operation is initiated whenever an IP phone user presses the # key for immediate dialing.
- B. An Urgent Priority operation can be configured on a route pattern to force immediate routing when a first match is detected, even if there are longer route patterns that are also potential matches.
- C. Urgent Priority operations are automatically performed in translation patterns and emergency route patterns in order to force immediate routing when a first match is detected, even if there are longer route patterns that are also potential matches.
- D. Urgent Priority operations cannot be used for VoIP route patterns; they are only applicable to PSTN route patterns.

Answer: B

**Explanation:** The Urgent Priority check box is often used to force immediate routing of certain calls as soon as a match is detected, without waiting for the T302 timer to expire when additional longer potential matches exist.

#### NEW QUESTION 60

Which of these determines the Cisco Unified Communications Manager server to which an IP phone registers?

- A. The Cisco Unified Communications Manager group is configured with a Device Pool that designates the primary, secondary, and tertiary servers in the group.
- B. Each IP phone is configured with a Device Pool containing the Cisco Unified Communications Manager group that determines which server the IP phone will use as its primary, secondary, and tertiary server.
- C. Each IP phone is configured with its primary, secondary, and tertiary server.
- D. The Cisco Unified Communications Manager group is configured in the publisher to designate the IP phone groups that will register with the primary, secondary, and tertiary servers in the group.

Answer: B

#### NEW QUESTION 61

What is the process of digit matching?

- A. Cisco Unified Communications Manager first performs a digit-by-digit analysis, looking for patterns that match the internal directory number
- B. If no match is found, the dialed string is matched against the route patterns.
- C. Cisco Unified Communications Manager collects all digits and compares them en bloc for patterns that match the internal directory number
- D. If no match is found, the dialed string is matched against the route patterns.
- E. Cisco Unified Communications Manager performs a digit-by-digit analysis, looking for patterns that match the internal directory numbers and ones that match the route patterns simultaneously.
- F. Cisco Unified Communications Manager collects all digits and compares them en bloc for patterns that match the internal directory numbers and ones that match the route patterns simultaneously.

**Answer:** C

#### NEW QUESTION 66

Which two codecs are supported by the Cisco Unified Communications Manager software conferencing media resource? (Choose two.)

- A. G.723
- B. G.729
- C. wideband
- D. GSM
- E. G.711

**Answer:** CE

#### NEW QUESTION 68

An engineer is setting up a system with voice and video endpoints using auto-QoS policy on the switches. Which DSCP values are expected for interactive voice and video?

- A. F and AF-41
- B. EF and CS6
- C. EF and CS3
- D. EF and AF21

**Answer:** A

**Explanation:** Reference: [http://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/WAN\\_and\\_MAN/QoS\\_SRND/QoS-SRND-Book/QoSIntro.html](http://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/WAN_and_MAN/QoS_SRND/QoS-SRND-Book/QoSIntro.html)

#### NEW QUESTION 69

Refer to the exhibit.



CISCO

Cisco Unified CM Administration

For Cisco Unified Communications Solutions

System ▾ Call Routing ▾ Media Resources ▾ Advanced Features ▾

IP Route Pattern Configuration

Save 

Delete

Copy

Add New

Status

Add successful

Pattern Definition

Pattern Usage

Enrutamiento de dirección IP

IPv4 Pattern\*

10.200.6.3

IPv6 Pattern

Description

Monterrey

Route Partition

Interna

SIP Trunk/Route List\*

RL-Monterrey

☐ Block Pattern

Calling Party Transformations

☐ Use Calling Party's External Phone Mask

Calling Party Transformation Mask

Prefix Digits (Outgoing Calls)

Calling Line ID Presentation\*

Default

CISCO

Cisco Unified CM Administration

For Cisco Unified Communications Solutions

System ▾ Call Routing ▾ Media Resources ▾ Advanced Features ▾ Dev

Gateway Configuration

Save 

Delete

Copy

Reset

Apply Config

Status

Status: Ready

Device Information

Product

H.323 Gateway

Device Protocol

H.225

Registration

Unknown

IP Address

10.200.6.3

Device is not trusted

Device Name\*

10.200.6.3

Description

10.200.6.3 Me

Device Pool\*

DP-Monterrey

Common Device Configuration

< None >

Call Classification\*

OffNet

Media Resource Group List

MRGL-Monter

Packet Capture Mode\*

None

Packet Capture Duration

0

A Network Administrator needs to create a SIP route pattern to communicate with Monterrey's Gateway.

The Administrator does not understand why this is not working properly. Which two statements explain the issue and resolve the problem? (Choose two.)

- A. The issue is caused by a failure of communication between the Monterrey's Gateway and CUCM.
- B. The Administrator should type the reload command into Monterrey's Gateway.
- C. The issue is caused by incorrect protocol integration between Monterrey's Gateway and CUCM.
- D. The Administrator needs to set up a SIP trunk between Monterrey's Gateway and CUCM.

**Answer:** CD

#### NEW QUESTION 73

Which two codecs are required for Cisco WebEx Enabled TelePresence? (Choose two.)

- A. G.711 codec for audio
- B. H.264 codec for video
- C. G.729 codec for audio
- D. G.711 or G.729 codec for audio
- E. H.263 codec for video
- F. H.264 or H.263 codec for video

**Answer:** AB

#### NEW QUESTION 76

Which tool can you use to verify and troubleshoot a dial plan?

- A. Audit Log Configuration
- B. Dialed Number Analyzer
- C. CDR Analysis and Reporting
- D. Troubleshooting Trace Settings

**Answer:** B

#### NEW QUESTION 78

What is the difference between policing and shaping?

- A. Policing: Transmit and mark, then transmit the packet
- B. Shaping: Buffer the exceeding packets.
- C. Policing: Transmit the packet
- D. Shaping: Buffer the exceeding packets.
- E. Policing: Transmit, drop or mark, then transmit the packet
- F. Shaping: Buffer the exceeding packets.
- G. Policing: Buffer the exceeding packet
- H. Shaping: Transmit and mark, then transmit the packets.

**Answer:** C

#### NEW QUESTION 80

Which two of these are required in order for Cisco Unified Communications Manager to support software conferencing? (Choose two.)

- A. The Cisco IP Voice Media Streaming Application needs to be activated on the server running the conferencing service in the cluster.
- B. The service parameter for the Cisco IP Voice Media Streaming Application needs to have Run Flag set to True.
- C. The software conference bridge resource needs to be configured in Cisco Unified Communications Manager.
- D. The Cisco IP Voice Media Streaming Application needs to be activated for all servers in the cluster.
- E. Under the Cisco IP Voice Media Streaming Application parameters, the conference bridge needs to have Run Flag set to True.

**Answer:** AE

#### NEW QUESTION 84

What is the maximum number of 1080p30 HD Conference Participants if an MSE 8000 has four MSE8710 blades clustered?

- A. 48
- B. 180
- C. 720
- D. 800

**Answer:** A

#### NEW QUESTION 89

You are a Voice Engineer working at ABC Company. You are asked to configure Cisco Unified Border Element in Cisco Unified Communications Manager. Which two configurations are required? (Choose two.)

- A. Configure a SIP profile with Early Offer support for voice and video calls; insert MTP as needed.
- B. Change the SIP trunk security profile to a nonsecure SIP trunk profile.
- C. Under the SIP information configuration, set the destination port to 5061.
- D. Bind the SIP signaling to the Cisco Unified Border Element interface.
- E. Configure dial peers on Cisco Unified Border Element for inbound and outbound calls appropriately.



Answer: AB

## NEW QUESTION 92

Refer to the following Exhibits.

Exhibit 1	
<b>Pattern Definition</b>	
Translation Pattern	0.00!#
Partition	HQ_Intl_Pt
Description	
Numbering Plan	< None >
Route Filter	< None >
MLPP Precedence*	Default
Resource Priority Namespace Network Domain	< None >
Route Class*	Default
Calling Search Space	PSTN.CSS
External Call Control Profile	< None >
Route Option	<input checked="" type="radio"/> Route this pattern <input type="radio"/> Block this pattern No Error

Exhibit 2	
<b>Pattern Definition</b>	
Translation Pattern	0.00!#
Partition	HQ_Blz_Intl_Pt
Description	
Numbering Plan	< None >
Route Filter	< None >
MLPP Precedence*	Default
Resource Priority Namespace Network Domain	< None >
Route Class*	Default
Calling Search Space	PSTN.CSS
External Call Control Profile	< None >
Route Option	<input type="radio"/> Route this pattern <input checked="" type="radio"/> Block this pattern No Error

Exhibit 3	
CSS	Partition
Phone Device CSS	HQ_Blz_Intl_pt
Phone Line CSS	HQ_Intl_pt
PSTN.CSS	PSTN_Pt

Assume that route pattern for international calls is assigned to the PSTN\_Pt partition. After applying the CSSs shown in the exhibit to a phone and placing a call to 00014087071222#, which of the following statements is true?

- A. The call will be blocked because the line and device CSS will be combined and partitions in the device CSS will take precedence.
- B. The call will be permitted because the line and device CSS will be combined and partitions in the line CSS will take precedence.
- C. The call will be blocked because any translation pattern that is blocked will take precedence.
- D. Only calls from the primary line will be permitted.
- E. Secondary lines will be blocked.

Answer: B

**Explanation:** the Line CSS configured on the directory number associated with the user's device profile. Link:  
[http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/cucm/srnd/8x/cmapps.html](http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/srnd/8x/cmapps.html)

## NEW QUESTION 95

Which pattern does the route pattern \+61278[^5]59 match?

- A. \+61278359001
- B. +61278459001
- C. 278259001
- D. +61278259001
- E. +612783559001

**Answer:** D

#### NEW QUESTION 100

When implementing a global dial plan, which digit manipulation feature in CUCM does Cisco recommend for adding +1 to all outbound calls?

- A. Called party transformation.
- B. Calling party transformation.
- C. Translation pattern.
- D. External phone mask.

**Answer:** A

#### NEW QUESTION 103

If you have configured translation rules, what command do you use to verify digit manipulation?

- A. execute translation-rule
- B. show translation-rule
- C. test translation-rule
- D. debug translation-rule
- E. set translation-rule

**Answer:** C

**Explanation:** If you have configured translation rules, use the test translation-rule command to verify digitmanipulation. Page 136.

#### NEW QUESTION 104

What are two characteristics of a Cisco Unified Communications Manager Express dial plan? (Choose two.)

- A. partitions and calling search spaces
- B. COR
- C. dial peers
- D. voice translation rules
- E. route patterns

**Answer:** BC

#### NEW QUESTION 105

What are three features of Cisco Unified Border Element? (Choose three).

- A. Protocol Interworking.
- B. Bandwidth Control.
- C. Admission Request.
- D. Automated Alternate Routing.
- E. Address Hiding.
- F. Security.
- G. Video Integration.

**Answer:** AFG

#### NEW QUESTION 108

What is the maximum number of 1080p30 HD Conference Participants if an MSE 8000 has four MSE8710 blades clustered?

- A. 48.
- B. 180
- C. 720
- D. 800

**Answer:** A

#### NEW QUESTION 111

Which of the following simplifies and enhances conference resource management?

- A. Cisco Telepresence Server
- B. Cisco Telepresence MCU
- C. Cisco Telepresence MSE 8000
- D. Cisco IOS routers with packet voice/data module (PVDM)
- E. Cisco Telepresence Conductor



Answer: E

#### NEW QUESTION 113

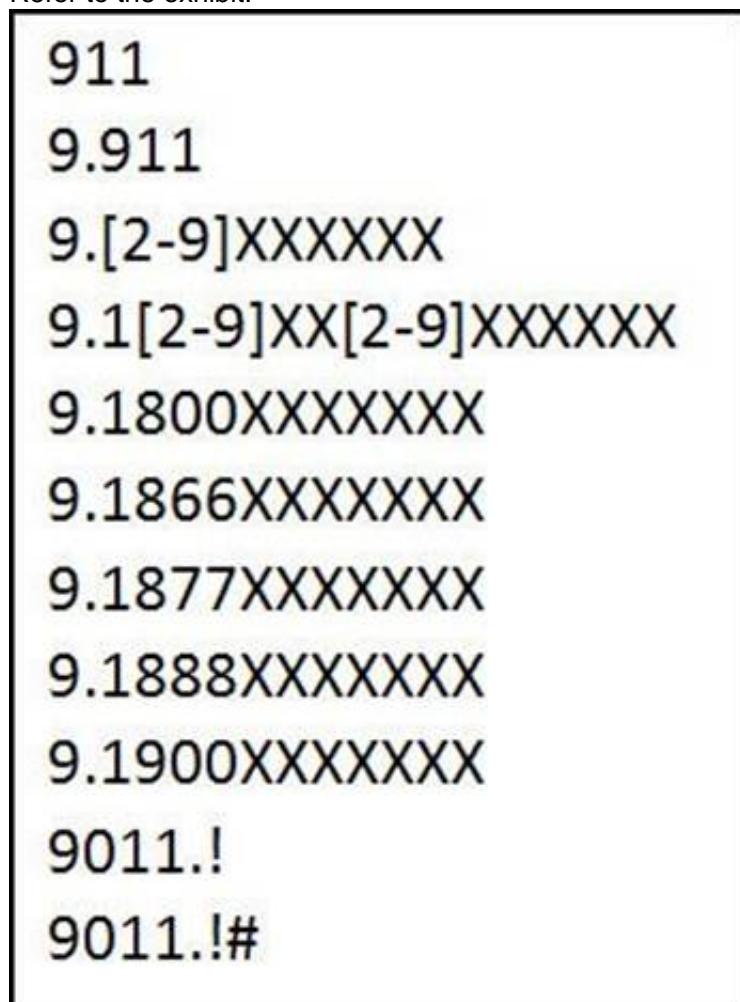
How are Cisco Unified CallManager location parameters used?

- A. Assign directory numbers to devices as they connect to the IP telephony network.
- B. Specify the bandwidth used for audio and video calls.
- C. Implement call admission control in a centralized call processing deployment.
- D. Provide alternate call routing when the primary call path is unavailable.

Answer: C

#### NEW QUESTION 116

Refer to the exhibit.



911  
9.911  
9.[2-9]XXXXXX  
9.1[2-9]XX[2-9]XXXXXX  
9.1800XXXXXXX  
9.1866XXXXXXX  
9.1877XXXXXXX  
9.1888XXXXXXX  
9.1900XXXXXXX  
9011.!  
9011.!#

To reach an external number, a user first dials a 9. Which route pattern will be matched if a user dials the toll-free number 18005550123?

- A. 911
- B. 9.[2-9]XXXXXX
- C. 9.1[2-9]XX[2-9]XXXXXX
- D. 9.1800XXXXXXX
- E. 9.1866XXXXXXX
- F. 9.1877XXXXXXX
- G. 9.1888XXXXXXX
- H. 9.1900XXXXXXX
- I. 9011!

Answer: D

#### NEW QUESTION 118

What is the recommended default value that is used between regions for video calls?

- A. 384 Kbps.
- B. G.722.
- C. G.711.
- D. G.728.

Answer: A

#### NEW QUESTION 123

Managers have asked to be able to have an extension call them back if it is busy when they try to call it. In what two places can this feature be assigned to the Managers phone? (Choose two.)

- A. Device Settings > Softkey Template
- B. Device Settings > Default Device Profile Configuration
- C. Device Settings > Phone Button Template
- D. Device Settings > Device Profile
- E. Device Settings > Device Defaults
- F. Device Settings > Firmware Load Information

Answer: AD

#### NEW QUESTION 126

You are a Voice Engineer at ABC Company. You want to provision a new voice gateway for a remote site, and you need to configure 24 channels of a T1 CAS interface. Which set is the correct set of commands for this configuration?

- A. R1(config)# controller t1 1/0R1(config-controller)# framing esfR1(config-controller)# linecode b8zsR1(config-controller)# primary-group 1 timeslot 1-24 type fxo-loop-start
- B. R1(config)# controller t1 1/0R1(config-controller)# linecode hdb3R1(config-controller)# framing crc4R1(config-controller)# clock source lineR1(config-controller)# ds0-group 1 timeslot 1-24 type fxo-loop-start
- C. R1(config)# isdn switch-type primary-5essR1(config)# controller t1 t1/0R1(config-controller)# pri-group timeslots 1-24
- D. R1(config)# controller t1 1/0R1(config-controller)# framing esfR1(config-controller)# linecode b8zsR1(config-controller)# clock source lineR1(config-controller)# ds0-group 1 timeslot 1-24 type fxo-loop-start

**Answer:** D

#### NEW QUESTION 129

Which statement about a partition is true?

- A. A partition is a logical group of transformation patterns with similar accessibility characteristics.
- B. A partition is a group of gateways with similar accessibility characteristics.
- C. A partition is a logical group of directory numbers with similar accessibility characteristics.
- D. A partition is a logical group of route patterns with similar accessibility characteristics.

**Answer:** C

#### NEW QUESTION 132

Which two types of encoding are available to configure a T1 controller for CAS? (Choose two.)

- A. B8SF
- B. AMI
- C. B8ZS
- D. SF
- E. AME
- F. ESF

**Answer:** BC

#### NEW QUESTION 136

Time-of-day routing in Cisco Unified Communications Manager is configured in which of these ways?

- A. by specifying a time schedule on the phone device CSS
- B. by specifying a time period on the phone device CSS
- C. by specifying a time schedule on the partition that is being used for time-of-day routing
- D. by specifying a time period on the partition that is being used for time-of-day routing
- E. directly on the route pattern using an explicit timetable

**Answer:** C

**Explanation:** Time-of-Day routing comprises individual time periods that the administrator defines and groups into time schedules. The administrator associates time schedules with a partition. In the Partition Configuration window, the administrator chooses either the time zone of the originating device or any specific time zone for a time schedule.

Link: [http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/cucm/admin/8\\_5\\_1/ccmsys/a03tod.html](http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmsys/a03tod.html)

Reference: Cisco Unified Communications Manager System Guide Release 8.5(1), page- 177.

#### NEW QUESTION 140

What are two characteristics of a partition? (Choose two.)

- A. Assigned to sources of call routing requests
- B. Any group of numbers with the same reachability
- C. Used in conjunction with calling search spaces to track calls to certain numbers
- D. Used in conjunction with calling search spaces to restrict outgoing calls to certain numbers
- E. Contains calling search spaces

**Answer:** BD

#### NEW QUESTION 143

You are performing route pattern configuration. You need to ensure that internal extensions are automatically expanded to full external phone numbers for calling line information on outgoing calls. What should you use?

- A. calling extension expansion
- B. called number expansion
- C. external number mask of the called party
- D. external phone number mask of the calling party

**Answer:** D

#### NEW QUESTION 144

Which statement about the DiffServ QoS deployment architecture is true?

- A. DiffServ does not differentiate traffic types and thus cannot provide service levels.
- B. DiffServ architecture differentiates and classifies various types of traffic and provides several levels of service based on that classification.
- C. Resource Reservation Protocol is an example of a DiffServ mechanism where each router on the path for packet transmission is informed of the upcoming packet stream.
- D. DiffServ architecture provides QoS by assuring treatment for a specific traffic flow.

**Answer:** B

#### NEW QUESTION 148

Which three options can be used to configure digit manipulation for dial peers? (Choose three.)

- A. digit translation rules
- B. called party transformations
- C. route partitions
- D. forward digits
- E. route patterns
- F. digit stripping and prefixes
- G. calling party transformations

**Answer:** ADF

**Explanation:** Reference: [http://www.cisco.com/c/en/us/td/docs/ios/12\\_2/voice/configuration/guide/fvfax\\_c/vvfpeers.html#w p1244453](http://www.cisco.com/c/en/us/td/docs/ios/12_2/voice/configuration/guide/fvfax_c/vvfpeers.html#w p1244453)

#### NEW QUESTION 151

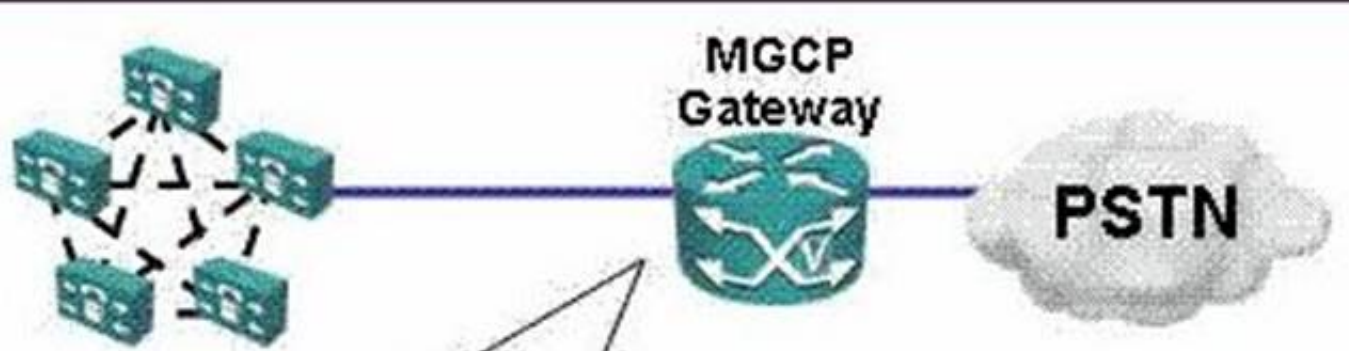
Which two elements of a dial plan define the domains that are accessible and are assigned to an endpoint? (Choose two)

- A. Partitions.
- B. Calling Search Spaces.
- C. Route patterns.
- D. Translation patterns.
- E. Call Admission Control.

**Answer:** AB

#### NEW QUESTION 153

Refer to the exhibit. What should be entered in the Name field when configuring Cisco Unified Communications Manager to control voice port T1 1/0/0 in BR2 GW?



```
BR2_GW#show interface FastEthernet0/0
FastEthernet0/0 is up, line protocol is up
  Hardware is Gt96k FE, address is 0012.005f.eef0 (bia 002.005f.eef0)
  Internet address is 10.2.120.1/24
  MTU 1500 bytes, BW 100000 Kbit, DLY 1000000 usec,
    reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA, loopback not set
  ARP type: ARPA, ARP Timeout 04:00:00
```

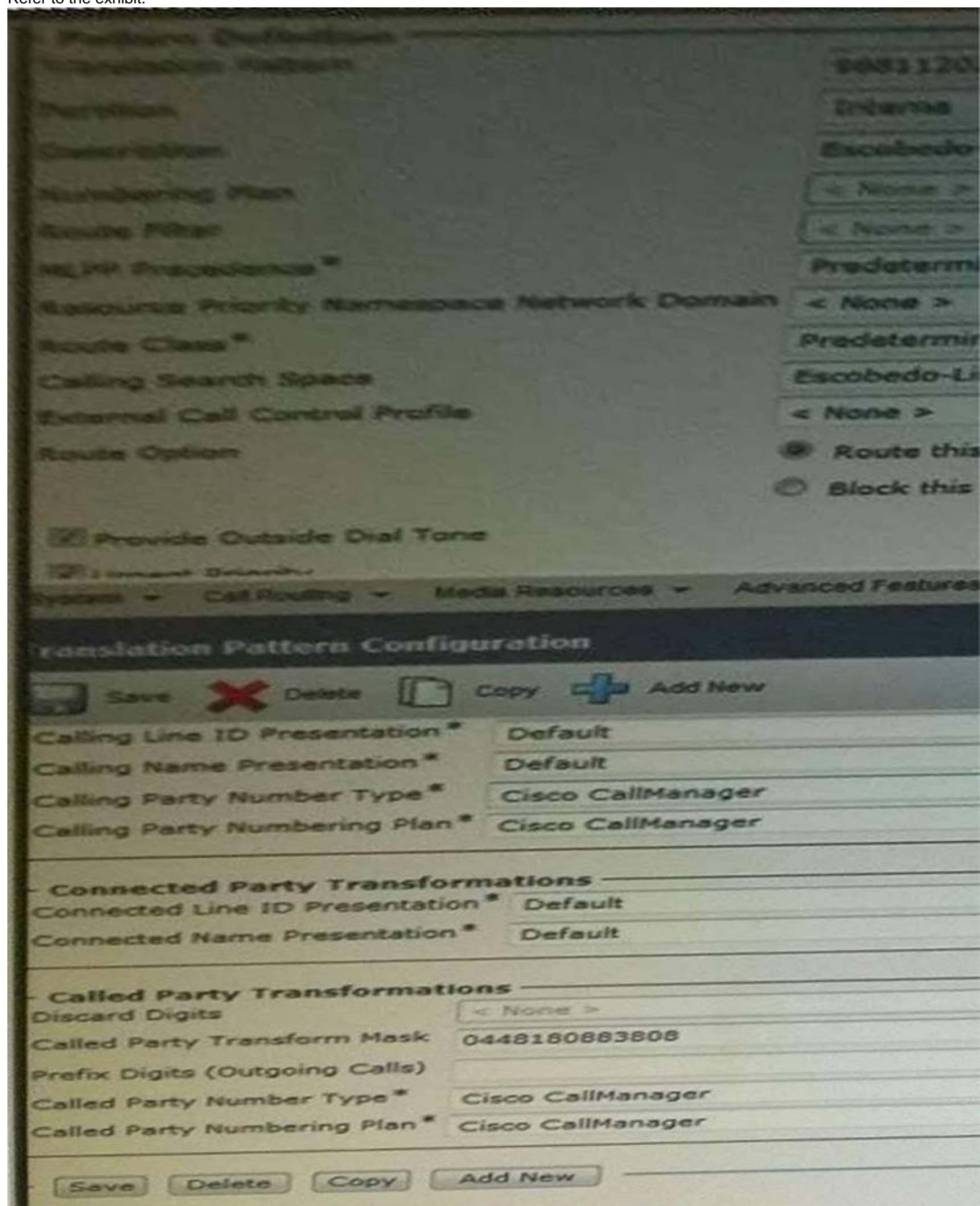
- A. S0/DS1-0@BR2\_GW
- B. BR2\_GW
- C. 10.2.120.1
- D. S0/DS1@SDA0012005FEEF0



Answer: B

#### NEW QUESTION 154

Refer to the exhibit.



ABC Company uses the digit 9 to get a dial tone and type a DN. A user needs to type 8811202 and automatically send the call to a cellphone. The Network Administrator did this configuration, but it is not working.

Which two actions can the Administrator take to solve this problem? (Choose two)

- A. In the Translation Pattern option, delete the digit "8".
- B. In the Translation Pattern option, delete the digit "9".
- C. In the Route Option option, select Block this Pattern.
- D. In the Called Party Transform Mask option, prefix the digit "9".

Answer: BD

#### NEW QUESTION 158

To verify that proper digit manipulation is being applied when using called party transformation patterns, which Cisco IOS command do you use from the router or voice gateway?

- A. show voice ccapi inout



- B. debug voice ccapi in
- C. show voice ccapi
- D. show voice ccapi in
- E. debug voice ccapi inout
- F. debug voice ccapi out
- G. show voice ccapi out

**Answer:** E

**Explanation:** Reference: <http://www.netcraftsmen.com/called-party-transformation-patterns-example-andvalidation/>

#### NEW QUESTION 161

Which three elements are used to configure calling privileges? (Choose three)

- A. Route pattern.
- B. Calling search space.
- C. Replica.
- D. User.
- E. Partition
- F. Time schedule.

**Answer:** BEF

#### NEW QUESTION 164

Refer to the exhibit.

```
Voice-HUB#show isdn status
Global ISDN Switchtype - primary-dms100
ISDN Serial2/0/0:23 interface
dsl 0, interface ISDN Switchtype - primary-dms100
Layer 1 Status:
ACTIVE
Layer 2 Status:
TEI - 0, Ces - 1, SAPI - 0, State - MULTIPLE_FRAME_ESTABLISHED
Layer 3 Status:
0 Active Layer 3 Call(s)
Active dsl 0 CCBs - 0
The Free Channel Mask:0x807FFFFF
Number of L2 Discards - 0, L2 Session ID - 4
Total Allocated ISDN CCBs - 0
```

An engineer is trying to determine the status of the ISDN D Channel on a new PRI circuit, types in the show isdn status command, and sees this output. Which two pieces of information can be determined from this output? (Choose two.)

- A. The provider is using the 5ESS protocol.
- B. There are four channels.
- C. The connection to the Cisco Unified Communications Manager has been established.
- D. The D channel is working correctly.
- E. No active calls are established.

**Answer:** DE

#### NEW QUESTION 167

If no SIP dial rules are configured on an IP phone, at which three points in the collection of digits does a Type A SIP phone send digits to the Cisco Unified Communications Manager? (Choose three.)

- A. when the interdigit timer expires
- B. when the collected digits match a SIP dial rule
- C. when the user presses the Dial softkey
- D. as each digit is collected (it is sent for analysis)
- E. when the user presses the # key

**Answer:** ACE

#### NEW QUESTION 171

Which three options are components of Media Resources Architecture? (Choose three)

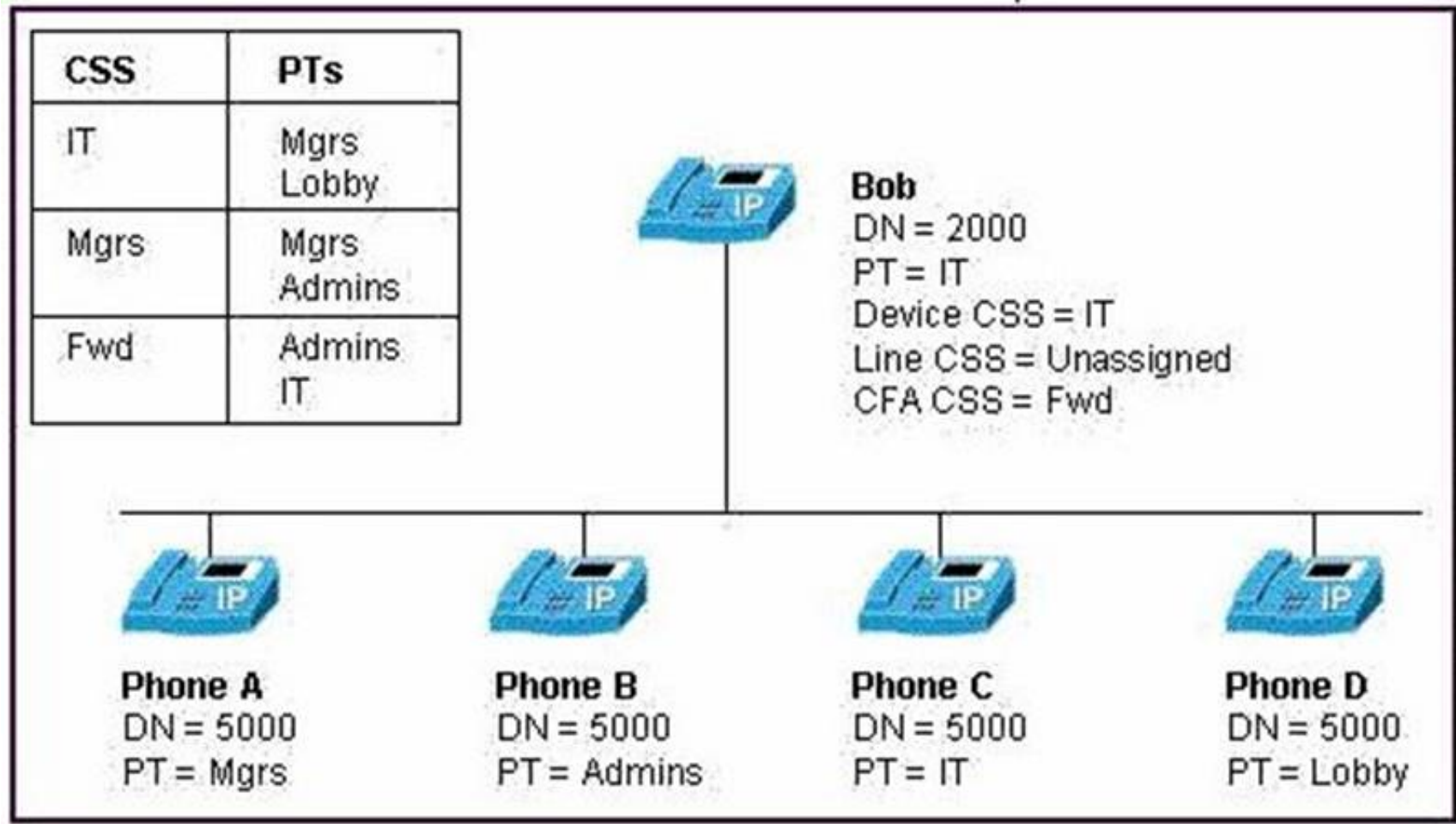
- A. Music on hold.
- B. Media Resource Manager.
- C. Media Resource Group.
- D. Route list.
- E. Route group

F. Media Resource Group List.

Answer: BCF

NEW QUESTION 176

Refer to the exhibit. Bob has set his phone to forward calls to extension 5000. When a call is placed to extension 2000, which phone will ring?



- A. Phone A
- B. Phone B
- C. Phone C
- D. Phone D

Answer: B

NEW QUESTION 180

Which codec provides native WebRTC-based video chat support in browsers such as Mozilla Firefox?

- A. H.265
- B. WMV
- C. H.264
- D. G.711
- E. H.323

Answer: C

NEW QUESTION 183

Refer to the exhibit.

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

System ▾ Call Routing ▾ Media Resources ▾ Advanced Features ▾ Device ▾ Application ▾ User Management ▾ Bulk Administration ▾ Help ▾

**Gateway Configuration**

Save Delete Copy Reset Apply Config Add New

**Status**  
Status: Ready

**Device Information**

Product	H.323 Gateway
Device Protocol	H.225
Registration:	Unknown
IPv4 Address:	10.200.6.3
⚠ Device is not trusted	
Device Name*	10.200.6.3
Description	10.200.6.3 Monterrey
Device Pool*	DP-Monterrey
Common Device Configuration	< None >
Call Classification*	OffNet
Media Resource Group List	MRGL-Monterrey
Packet Capture Mode*	None
Packet Capture Duration	0

A Network Administrator needs to create a SIP route pattern to communicate with Monterrey's Gateway. The Administrator does not understand why this is not working properly. Which two statements explain the issue and resolve the problem? (Choose two.)

- A. The Administrator needs to set up a SIP trunk between Monterrey's Gateway and Cisco Unified Communications Manager.
- B. The Administrator should type the reload command into Monterrey's Gateway
- C. The issue is caused by a failure of communication between the Monterrey's Gateway and Cisco Unified Communications Manager
- D. The issue is caused by incorrect protocol integration between Monterrey's Gateway and Cisco Unified Communications Manager.

**Answer: AD**

#### NEW QUESTION 186

Which route pattern wildcard character is used to terminate the interdigit timeout?

- A. \$
- B. !
- C. #
- D. .

**Answer: C**

#### NEW QUESTION 188

A customer is integrating two video solutions between regions using a Cisco Unified Border Element and finds that some of the RTP payloads are not compatible with the Cisco Unified Border Element configuration. Which two actions does Cisco recommend to solve this issue? (Choose two.)

- A. Specify the video payload on the voice service.
- B. Configure a transparent codec on the dial peers.
- C. Configure RTP payload mapping on the dial peers.
- D. Configure asymmetric payload on the voice service.
- E. Set up a voice class for the video codec.

**Answer: AC**

#### NEW QUESTION 191

Refer to Exhibit:



An engineer is working on a ticket that reports TEL1 cannot call TEL2. These dial peers are configured to route the call between the endpoints.

```
dial-peer voice 2001 voip destination-pattern 2001 session protocol sipv2 session target ipv4:10.1.1.2 incoming called-number . codec g722-64 video codec h264 dtmf-relay rtp-nte sip-notify sip-kpml no vad
```

```
dial-peer voice 3001 voip destination-pattern 3001 session protocol sipv2 session target ipv4:10.3.1.2 incoming called-number . codec g722-64
```

video codec h264

dtmf-relay rtp-nte sip-notify sip-kpml no vad

While troubleshooting, the engineer discovers that the Cisco Unified Border Element is giving the error “SIP/2.0 403 Forbidden”. Which two Cisco Unified Border Element configurations resolve this issue? (Choose two.)

- A. voice service voip mode border-element ip address trusted listipv4 10.1.1.0 255.255.255.0ipv4 10.2.1.0 255.255.255.0allow-connections sip to sip sipbind control source-interface loopback0 bind media source-interface loopback0
- B. voice service voipno ip address trusted authenticate mode border-elementallow-connections sip to sip sipbind control source-interface loopback0 bind media source-interface loopback0
- C. voice service voip mode border-element ip address trusted listallow-connections sip to sipsipbind control source-interface loopback0 bind media source-interface loopback0
- D. voice service voip mode border-elementallow-connections sip to sip sipbind control source-interface loopback0 bind media source-interface loopback0
- E. voice service voip mode border-element ip address trusted listipv4 10.1.1.0 255.255.255.0ipv4 10.3.1.0 255.255.255.0allow-connections sip to sip sipbind control source-interface loopback0 bind media source-interface loopback0

**Answer:** BE

#### NEW QUESTION 194

Employees at a company must dial 9 first to reach an external number. Which route pattern is used to route the call if a user dials the toll-free number 1-866-555-1212?

- A. 9.18XX[2-9]XXXXXX
- B. 9.18[0,5-8][0,5-8]XXXXXX
- C. 9.1XXXXXXXXXX
- D. 9.1866XXXXXX
- E. 9.1866[2-9]XXXXXX
- F. 9.1[2-9]XX[2-9]XXXXXX

**Answer:** E

#### NEW QUESTION 196

Which statement about translation patterns and transformation patterns is true?

- A. Both transformation patterns and translation patterns support only numeric values.
- B. Translation patterns support numeric and alphanumeric values, whereas transformation patterns support only numeric values.
- C. Transformation patterns support numeric and alphanumeric values, whereas translation patterns support only numeric values.
- D. Both transformation patterns and translation patterns support numeric and alphanumeric values.

**Answer:** D

#### NEW QUESTION 197

When the Cisco IOS router or gateway receives a call setup request, what is the PID value of the default dial peer?

- A. ID:3
- B. PID:6
- C. PID:0
- D. PID:4
- E. PID:5
- F. PID:1
- G. PID:2
- H. PID:7

**Answer:** C

#### NEW QUESTION 198

Refer to the exhibit.



### Translation Pattern Configuration

Save

---

**Status**

Status: Ready

---

**Pattern Definition**

Translation Pattern

0.001

Partition

< None >

Description

Numbering Plan

NANP

Route Filter

< None >

MLPP Precedence\*

Par défaut

Resource Priority Namespace Network Domain

< None >

Route Class\*

Par défaut

Calling Search Space

No\_restriction

External Call Control Profile

< None >

Route Option

☒ Route this pattern
 ☐ Block this pattern
 

Aucune erreur

☒ Provide Outside Dial Tone
 ☐ Urgent Priority
 ☐ Route Next Hop By Calling Party Number

---

### Route Pattern Configuration

Save

---

**Status**

Status: Ready

---

**Pattern Definition**

Route Pattern\*

0.0044156789453

Route Partition

< None >

Description

Numbering Plan

-- Not Selected --

Route Filter

< None >

MLPP Precedence\*

Par défaut

☐ Apply Call Blocking Percentage

Resource Priority Namespace Network Domain

< None >

Route Class\*

Par défaut

Gateway/Route List\*

RL\_TEST

(Edit)

Route Option

☒ Route this pattern
 ☐ Block this pattern
 

Aucune erreur

Call Classification\*

Offnet

☐ Allow Device Override
 ☒ Provide Outside Dial Tone
 ☐ Allow Overlap Sending
 ☐ Urgent Priority
 ☐ Require Forced Authorization Code

Authorization Level\*

0

☐ Require Client Matter Code

When users call number 00044156789453, they have to wait for several seconds before the call is sent. Which action sends the call immediately?

- A. In the translation pattern, change the CSS.
- B. In the route pattern, check the Allow Device Override check box.
- C. In the route pattern, check the Urgent Priority check box.
- D. In the translation pattern, check the Route Next Hop By Calling Party Number check box.

Answer: C

#### NEW QUESTION 199

Refer to the exhibit. What is the IP address of the backup Cisco Unified Communications Manager system?

```
ccm-manager fallback-mgcp
ccm-manager mgcp
ccm-manager music-on-hold
ccm-manager config server 10.1.5.2
!
mgcp
mgcp call-agent 10.1.5.3 2427 service-type mgcp version 0.1
mgcp dtmf-relay voip codec all mode out-of-band
mgcp rtp unreachable timeout 1000 action notify
mgcp modem passthrough voip mode nse
mgcp package-capability rtp-package
mgcp package-capability sst-package
no mgcp package-capability fxr-package
mgcp package-capability pre-package
no mgcp timer receive-rtcp
mgcp sdp simple
mgcp rtp payload-type g726r16 static
```

- A. 10.1.5.3
- B. 10.1.5.2
- C. There is no backup configured; the command `ccm-manager redundant-host` is required
- D. The command `ccm-manager fallback-mgcp` provides the Cisco Unified Communications Manager backup, which is derived from the Cisco Unified Communications Manager group

**Answer:** C

**Explanation:** GWGK: Implementing MGCP Gateways

#### NEW QUESTION 201

After you configure a dial plan to call a particular prefix in the PSTN, you notice that some outbound calls are taking longer than usual (15 seconds) before you hear a connecting tone. What is the likely cause of this issue?

- A. The outbound gateway must be configured with the new prefix.
- B. The endpoint is choosing the best codec to use.
- C. The new prefix is overlapping other route patterns.
- D. With some prefixes, this is normal behavior of the PSTN.

**Answer:** C

#### NEW QUESTION 203

When creating a route pattern, which two of these options should you avoid? (Choose two)

- A. Lowercase characters, such as a, b, c
- B. Wildcards.
- C. Numbers.
- D. Uppercase characters, such as A, B, C.
- E. Spaces.
- F. Special characters and escape sequences, such as @ and \+.

**Answer:** AE

#### NEW QUESTION 208

How do you configure calling privileges on Cisco Unified Communications Manager Express?

- A. corlist
- B. translation profile
- C. zones
- D. access list
- E. search rules

**Answer:** A

#### NEW QUESTION 209

Where do you configure a SIP route pattern?

- A. Call Routing > Route/Hunt > SIP Route Pattern
- B. System > SIP Route Pattern
- C. Call Routing > SIP Route Pattern
- D. Advanced Features > SIP Route Pattern

**Answer:** C

#### NEW QUESTION 211

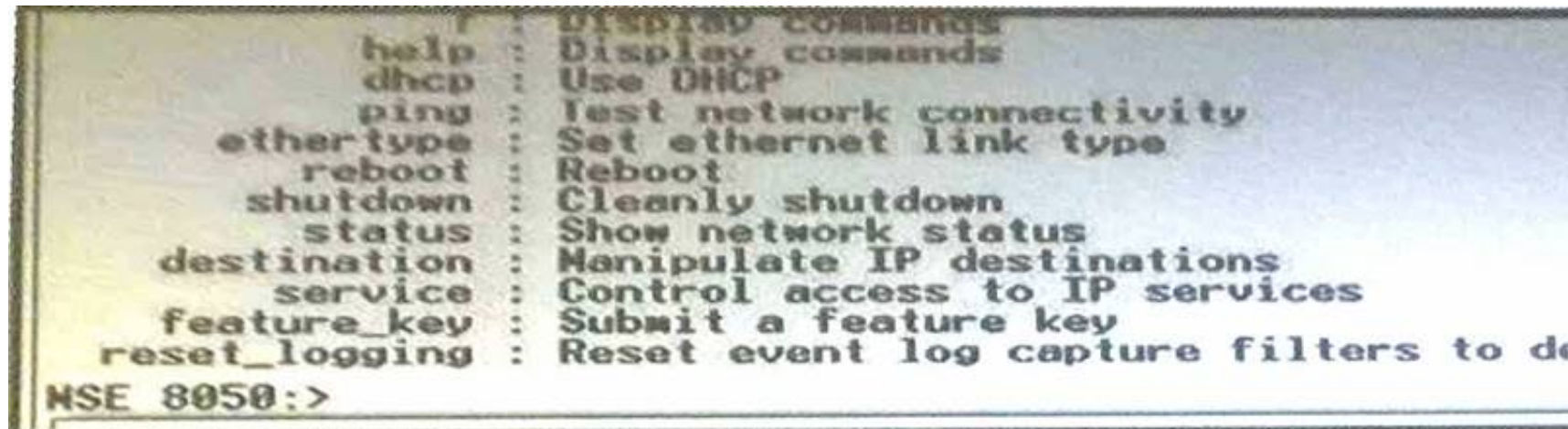
Which three of these are characteristics of a Cisco Unified Communications Manager software- based Media Termination Point? (Choose three.)

- A. The codec and packetization of both call legs must be identical.
- B. This Media Termination Point type does not require any DSP resources on the Cisco router.
- C. DSP resources are required.
- D. It can provide G.711 mu-law to G.711 a-law conversion and vice versa.
- E. It can provide packetization conversion for a given codec (for example, if one call leg is using a 20-mssampe size, but the other call legis using a 30-ms sample size).
- F. This Media Termination Point type is typically used for RSVP agent configurations or Cisco Unified borderelementmedia flow-through configuration.

**Answer:** BDE

#### NEW QUESTION 213

Refer to the exhibit.



What is the command to place the static IP address by CLI in the Cisco TelePresence MSE 8000?

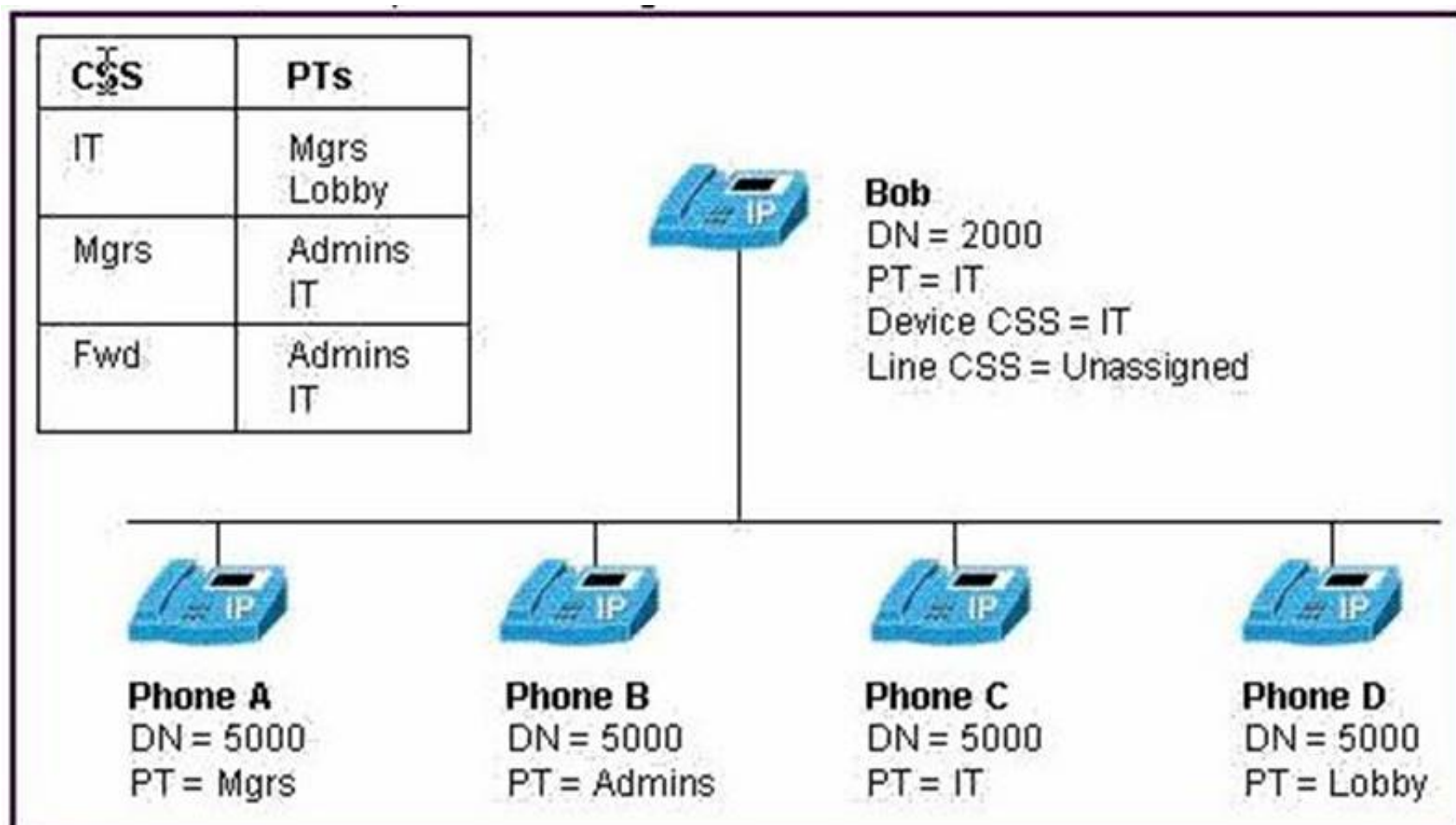
- A. MSE 8050: static 0 10.10.2.13 255.255.255.255 10.10.2.1 200.87.100.10 200.87.100.20.
- B. MSE 8050: static 0 10.10.2.13 255.255.255.0 10.10.2.1 200.87.100.10 200.87.100.20.
- C. MSE 8050: static 1 10.10.2.13 255.255.255.0 10.10.2.1 200.87.100.10 200.87.100.20.
- D. MSE 8050: static ip 0 10.10.2.13 255.255.255.0 10.10.2.1 200.87.100.10 200.87.100.20.

**Answer:** B

#### NEW QUESTION 214

Refer to the exhibit. When Bob dials extension 5000, which phone will ring?





- A. Phone A
- B. Phone B
- C. Phone C
- D. Phone D

**Answer:** A

#### NEW QUESTION 217

When CUCM is configured with a route pattern, translation transformation, which is matched first when a user dials 914085551212?

- A. route pattern
- B. translation pattern
- C. called-party transformation
- D. calling-party transformation

**Answer:** B

**Explanation:** Link:

[http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/cucm/admin/8\\_5\\_1/ccmcf/b03txpat.htm](http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/8_5_1/ccmcf/b03txpat.htm)

Route pattern is used to route calls to external entities. The calling and called party numbers resulting from the digit transformations configured in the route pattern and/or route lists are then processed by any Transformation Patterns configured for the devices contained in the chosen Route Group.

#### NEW QUESTION 220

Which two are enterprise parameters? (Choose two.)

- A. User search limit
- B. T302 parameter
- C. Enable Call Detail Records
- D. Enable Dependency Records
- E. codecs parameters for voice media-streaming applications

**Answer:** AD

#### NEW QUESTION 222

Which protocol can Cisco Unified Communications Manager not use to monitor the status of the gateway?

- A. H.323
- B. SIP
- C. MGCP
- D. SCCP

**Answer:** A

#### NEW QUESTION 225

What is a route list?

- A. a list of locations
- B. an ordered list of regions



- C. a list of route patterns
- D. an ordered list of gateways and trunks
- E. an ordered list of route groups

Answer: E

#### NEW QUESTION 228

Refer to the exhibit.

9.1[2-9]XX[2-9]XXXXXX  
9.18[0,6-8][0,6-8]XXXXXX  
9.1900XXXXXX  
9011.!  
9011.!

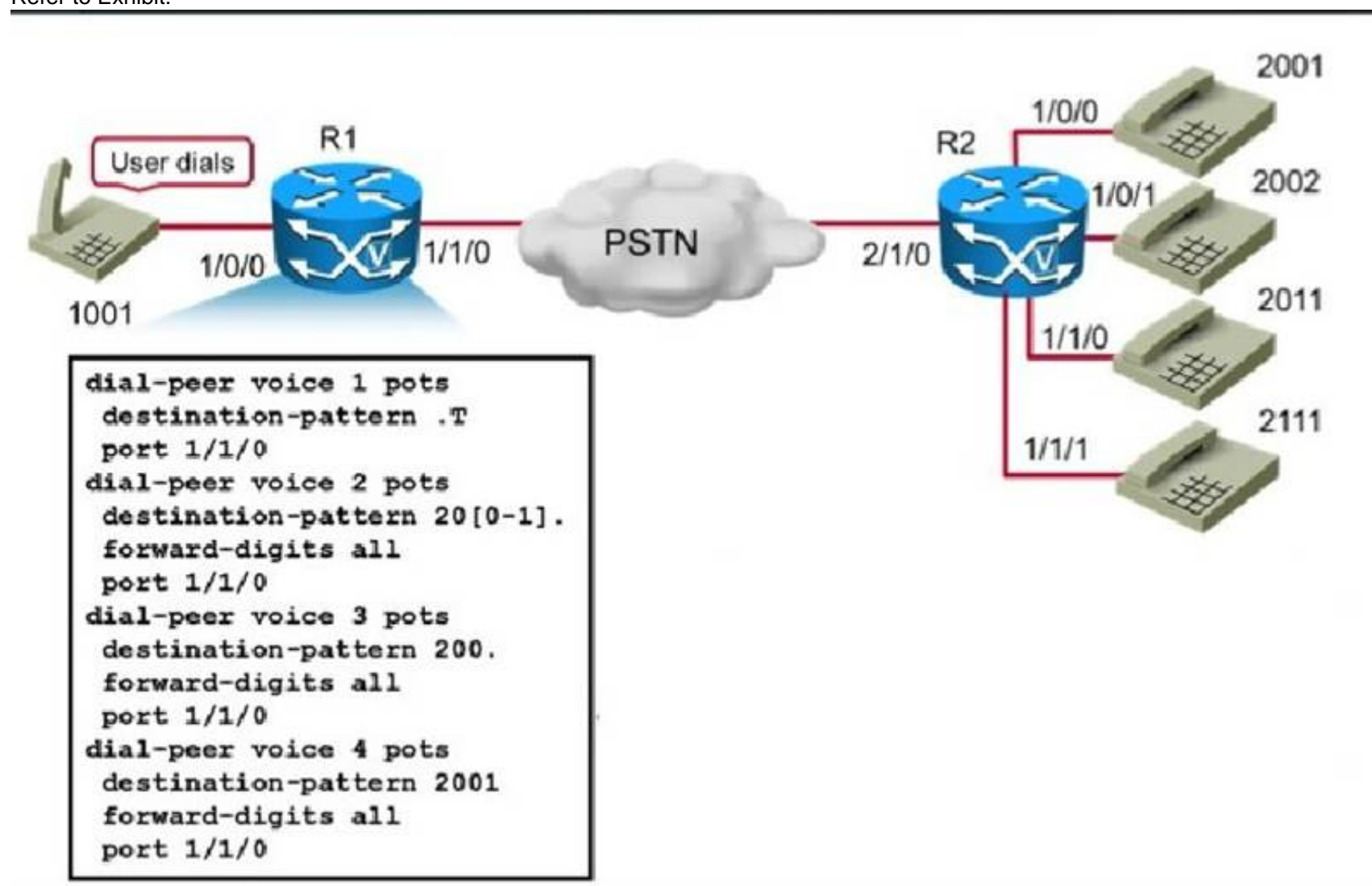
To reach an external number, a user first dials a 9. Which route pattern will be matched if a user dials an international number 011442288223001 and terminates the interdigit timeout?

- A. 9.1[2-9]XX[2-9]XXXXXX.
- B. 9.18[0,6-8][0,6-8]XXXXXX.
- C. 9.1900XXXXXX.
- D. 9011.!
- E. 9011.!

Answer: E

#### NEW QUESTION 232

Refer to Exhibit:



If the user at extension 1001 dials the user at extension 2002, which dial peer is used to route the call?

- A. 3
- B. 2
- C. 4
- D. 1

Answer: A

#### NEW QUESTION 235

Callers inform you that they hear a second dial tone after dialing the number 4085550123. Which dial-peer configuration command resolves this issue?

- A. answer-address 408555....
- B. destination-pattern 91[2-9]..[2-9]....
- C. forward-digits all
- D. direct-inward-dial

Answer: D

#### NEW QUESTION 239

Refer to the exhibit.

```
!  
ccm-manager redundant-host 10.1.5.3  
ccm-manager mgcp  
ccm-manager fax protocol cisco  
ccm-manager config  
!  
mgcp  
mgcp call-agent 10.1.5.2 2427 service-type mgcp  
version 0.1  
no mgcp package-capability res-package  
no mgcp timer receive-rtcp  
mgcp fax t38 ecm  
!  
mgcp profile default  
!
```

A Cisco Unified Communications Manager group is configured with the subscriber (10.1.5.3) listed first and the publisher (10.1.5.2) listed second. Which Cisco Unified Communications Manager is used for incoming calls through an MGCP gateway?

- A. the publisher
- B. both the publisher and subscriber in a round-robin format
- C. the first server listed in the Cisco Unified Communications Manager group list
- D. the subscriber

**Answer:** A

#### NEW QUESTION 244

Which three options can belong to specific partitions? (Choose three.)

- A. voice-mail servers
- B. directory numbers
- C. translation patterns
- D. gateways
- E. IP phones
- F. route patterns

**Answer:** BCF

**Explanation:** Reference: [http://www.cisco.com/c/en/us/td/docs/voice\\_ip\\_comm/cucm/admin/7\\_1\\_2/ccmcfg/bccm-712cm/b02devpl.html](http://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/admin/7_1_2/ccmcfg/bccm-712cm/b02devpl.html) (configuring a device pool)

#### NEW QUESTION 248

When dialing off-hook from an SCCP phone, how does Cisco Unified Communications Manager analyze the incoming dialed digits?

- A. SIP dial rules
- B. en bloc dialing
- C. digit-by-digit analysis
- D. KPML

**Answer:** C

#### NEW QUESTION 249

Which three steps are needed to enable time-of-day call routing? (Choose three.)

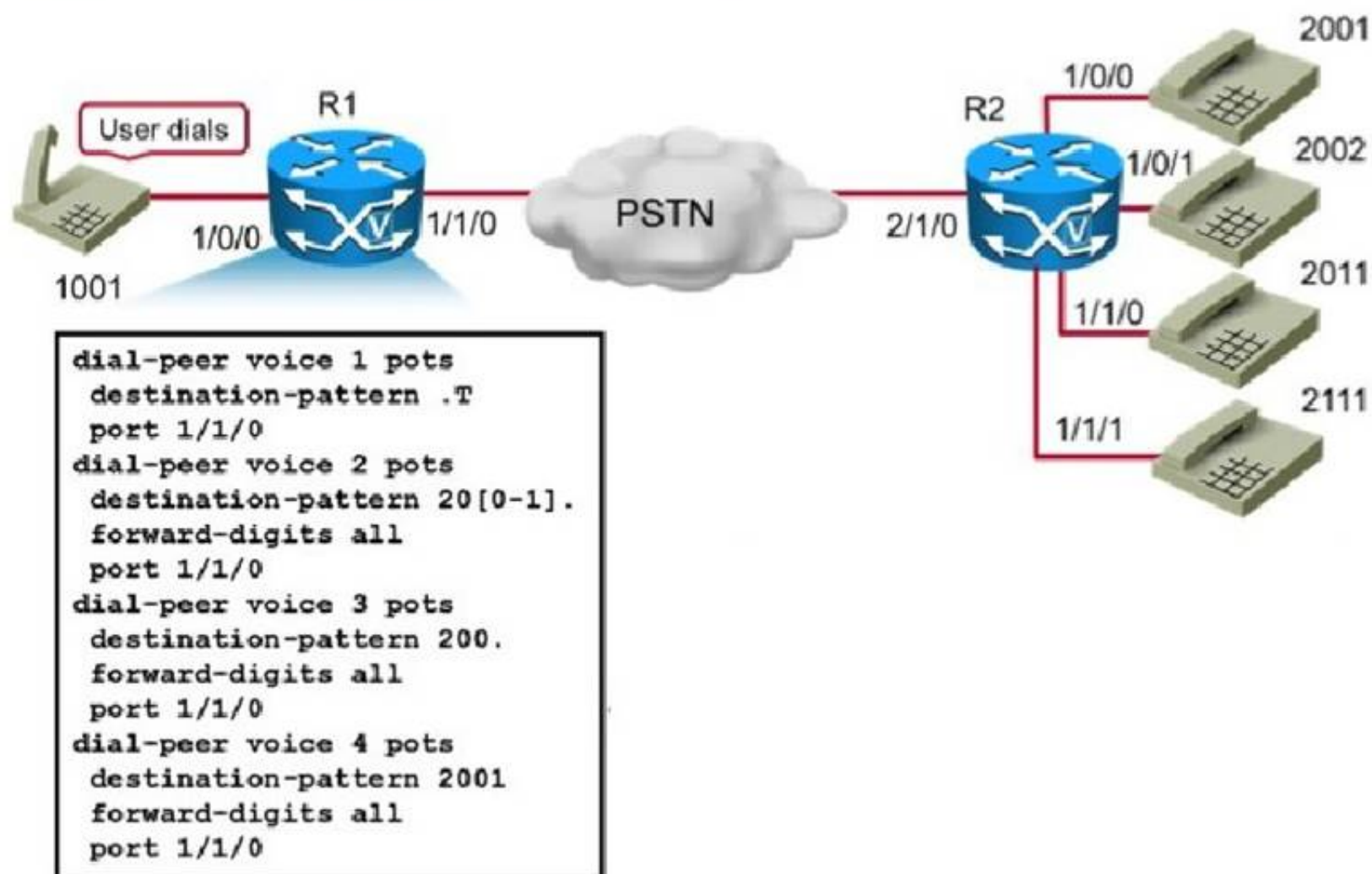
- A. Configure an access list.
- B. Configure a time period.
- C. Configure a time schedule.
- D. Configure a route pattern.
- E. Configure a partition.
- F. Configure dial rules.
- G. Configure a calling search space.

**Answer:** BCG

**Explanation:** Reference: <http://www.cisco.com/c/en/us/support/docs/voice-unified-communications/unifiedcommunications-manager-callmanager/109588-tod-routing-example00.html>

#### NEW QUESTION 252

Refer to Exhibit:



If the user at extension 1001 dials the user at extension 2011, which dial peer is used to route the call?

- A. 3
- B. 2
- C. 4
- D. 1

Answer: B

#### NEW QUESTION 257

Users that are subscribed to the default corporate directory are complaining that when they press the Directories button, they receive an error message regarding the URL. Which two parameters need to be edited? (Choose two.)

- A. Verify that the corporate directory has the Enabled check box checked in the Enterprise Parameter> Phone URL Parameters page.
- B. Reset the Enterprise Phone URL Parameters.
- C. Reset the Service Parameter > Phone URL Parameters.
- D. Change the URLs under Enterprise Parameters to match the DNS name or the IP address being used by the server being configured and reset the IP phones.
- E. Verify that the corporate directory has the Enabled check box checked in the IP Phone Services > Configuration Service Information page.
- F. Select the Service Parameter for the appropriate server and Cisco CallManager (active) and change the URLs for each service to match the DNS name or IP address of the server being configured.

Answer: DE

#### NEW QUESTION 260

Which Cisco Unified Communications Manager default global conference setting should be changed to ensure fraud prevention?

- A. Advanced Ad Hoc Conference Enabled
- B. Enable Click-to-Conference for Third-Party Applications
- C. Drop Ad Hoc Conference
- D. Block OffNet to OnNet Transfer
- E. MCU Conference Bridge Custom Layout Index

Answer: C

**Explanation:** Cisco Unified Communications Manager Administration provides the clusterwide service parameter, Drop Ad Hoc Conference, to allow the prevention of toll fraud (where an internal conference controller disconnects from the conference while outside callers remain connected). The service parameter settings specify conditions under which an ad hoc conference gets dropped.

Reference: [http://www.cisco.com/c/en/us/td/docs/voice\\_ip\\_comm/cucm/admin/8\\_6\\_1/ccmsys/accm-861cm/a05confb.html](http://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/admin/8_6_1/ccmsys/accm-861cm/a05confb.html)

#### NEW QUESTION 262

What is the correct procedure for implementing call coverage?

- A. configure directory numbers, partitions, hunt pilot, hunt list, line groups
- B. configure partitions, line groups, hunt lists, hunt pilot, directory numbers
- C. configure partitions, directory numbers, line groups, hunt lists, hunt pilot
- D. configure partitions, directory numbers, hunt pilot, hunt list, line groups

**Answer:** C

#### NEW QUESTION 264

What are two characteristics of a Cisco Unified Communications Manager Enterprise parameter? (Choose two.)

- A. It is used to configure settings for specific services.
- B. It is used to define end-user authentication settings.
- C. It sets initial values of device-defaults.
- D. It is used to configure settings for different services.
- E. It is used to define clusterwide settings.

**Answer:** CE

#### NEW QUESTION 267

On Cisco Unified Communications Manager, where can you change the softkey templates from your IP phone?

- A. Cisco Unified Communications Manager Serviceability > Device > Device Settings > Softkey Templates.
- B. Cisco Unified Communications Manager Administration > Device > Device Settings > Softkey Templates.
- C. Cisco Unified Communications Manager Administration > Device > Device Settings > Phone ButtonTemplate.
- D. Cisco Unified Communications Manager Administration > Device > Device Settings > Device Defaults.

**Answer:** B

#### NEW QUESTION 268

Which four call coverage features are used by voice gateways? (Choose four.)

- A. call hunt
- B. Call Park
- C. Call Pickup
- D. call redirecting
- E. overlaid phone-dn
- F. basic automatic call distribution
- G. overlaid ephone-dn
- H. basic manual call distribution

**Answer:** ACFG

#### NEW QUESTION 273

A voice engineer is troubleshooting an issue that involves incoming calls to POTS lines. Which command verifies the digits that are received by voice-port?

- A. debug voip dial-per
- B. debug vtsp session
- C. debug vtsp dsp
- D. debug call treatment
- E. debug voice protocol

**Answer:** B

#### NEW QUESTION 274

Which three descriptions are true? (Choose three.)

- A. The class of service is a parameter that is used for traffic classification and marking at Layer 2.
- B. The IP precedence is a parameter that is used for traffic classification and marking at Layer 2.
- C. The differentiated services code point is a parameter that is used for traffic classification and marking at Layer 2.
- D. The class of service is a parameter that is used for traffic classification and marking at Layer 3.
- E. The IP precedence is a parameter that is used for traffic classification and marking at Layer 3.
- F. The differentiated services code point is a parameter that is used for traffic classification and marking at Layer 3.

**Answer:** AEF

#### NEW QUESTION 276

The abc.com Lumber Company uses a centralized call processing model to connect their saw mills in Albany and Columbus. Each mill is configured as a separate Location in Cisco Unified CallManager at HQ. Each Location has been configured with 256 Kbps of voice bandwidth. How many G.729 calls can be placed between Locations simultaneously?

- A. 8
- B. 10
- C. 5
- D. 23

**Answer:** B

#### NEW QUESTION 280

An organization has built their video infrastructure to perform ad hoc video calls, but they also need to conduct managed video conference calls. Which hardware component is needed to conduct these calls?



- A. VCS-E
- B. IOS gateway
- C. MCU
- D. TelePresence server

**Answer:** D

#### NEW QUESTION 284

Which three types of devices can you test with the Cisco Unified Communications Manager Dialed Number Analyzer tool? (Choose three)

- A. Fax/Modem.
- B. Trunks.
- C. Gateways.
- D. Cisco ASA Adaptive Security Appliances.
- E. Cisco Catalyst Switches.
- F. Phones.

**Answer:** ACF

#### NEW QUESTION 286

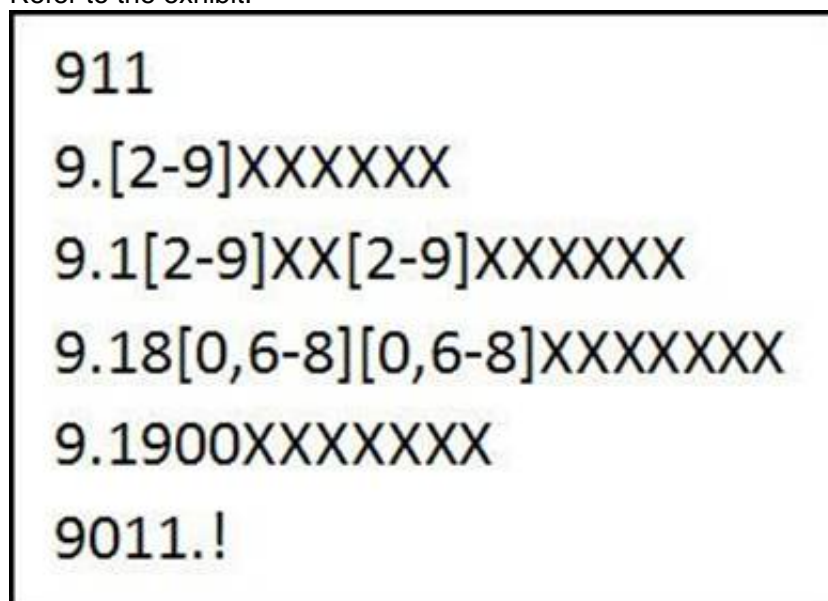
Which three CLI commands allow you to verify the correct VoIP dial-peer matching? (Choose three.)

- A. debug ccsip messages
- B. debug voip ccapi inout
- C. debug dialpeer match
- D. debug voip dialpeer inout
- E. show dialplan number

**Answer:** BDE

#### NEW QUESTION 290

Refer to the exhibit.



```
911
9.[2-9]XXXXXX
9.1[2-9]XX[2-9]XXXXXX
9.18[0,6-8][0,6-8]XXXXXXX
9.1900XXXXXXX
9011.!
```

To reach an external number, a user first dials a 9. Which route pattern will be matched if a user dials the toll-free number 18005550123?

- A. 911
- B. 9.[2-9]XXXXXX
- C. 9.1[2-9]XX[2-9]XXXXXX
- D. 9.18[0,6-8][0,6-8]XXXXXXX
- E. 9.1900XXXXXXX
- F. 9011!

**Answer:** D

#### NEW QUESTION 292

Which three commands show the output of an active video call? (Choose three.)

- A. show vrm active\_calls
- B. show call active video brief
- C. show voip rtp connections
- D. show voice call
- E. show voice call summary
- F. show video dsp

**Answer:** BCE

#### NEW QUESTION 297

Which QoS model is bandwidth-dedicated to provide sufficient quality for applications that need high resolution, such as video terminals?

- A. Best-Effort
- B. IntServ

- C. DiffServ
- D. DiffServf

**Answer:** C

#### NEW QUESTION 302

When configuring an H.323 gateway, which configuration option can be used to set whether an incoming call is considered off the network (OffNet) or on the network (OnNet)?

- A. call classification
- B. call location
- C. device pool
- D. signaling port

**Answer:** A

#### NEW QUESTION 303

Which discard digits instruction removes all digits prior to the North American Numbering Plan portion of the route pattern?

- A. PreDot
- B. PreAt
- C. Pre
- D. PreNANP

**Answer:** B

#### NEW QUESTION 305

Which statement about translation patterns and transformation patterns is true?

- A. Both transformation patterns and translations patterns support only numeric values.
- B. Both transformation patterns and translations patterns support numeric and alphanumeric values.
- C. Transformation patterns support numeric and alphanumeric values, whereas translations patterns support only numeric values.
- D. Translation patterns support numeric and alphanumeric values, whereas transformation patterns support only numeric values.

**Answer:** B

#### NEW QUESTION 307

Which type of IOS Conference bridge requires all users to use the same video format in order to participate in a video conference?

- A. Ad Hoc Conferencing
- B. Homogenous Conferencing
- C. Heterogeneous Conferencing
- D. Guaranteed Audio Video Conferencing
- E. Meet-Me Conferencing

**Answer:** B

**Explanation:** A homogenous conference refers to one in which participants connect to the ISR G2 with devices that support the same video format attributes (for example, the same codec, resolution, frame rate, and bit rate).

#### NEW QUESTION 312

An IP phone user has dialed "15152421234". Which route pattern will be used?

- A. 1515[^0-1]4[123]+
- B. 1515[^0-2]4[01234]
- C. 1515[^0-1]42[1234]
- D. 1515[^0-1]421[1-4]+

**Answer:** D

#### NEW QUESTION 316

Which DiffServ PHB classification is recommended by Cisco for interactive video traffic?

- A. AF31
- B. CS3
- C. EF
- D. AF41
- E. CS4

**Answer:** D

#### NEW QUESTION 318

Which two options can a route pattern be assigned? (Choose two.)

- A. a gateway that is not assigned to a route group
- B. a gateway that is assigned to a route group
- C. a route list with no route groups configured
- D. a route list with one or more route groups configured

**Answer:** BD

#### NEW QUESTION 321

In a multisite deployment, which two voice codecs are recommended to use between intrasite endpoints? (Choose two)

- A. G.711
- B. G.728
- C. H.264
- D. G.722
- E. G.729

**Answer:** AD

#### NEW QUESTION 325

Refer to the exhibit.



Which option is the most highly recommended option to install Cisco TelePresence Conductor on the virtual machine?

- A. Thick Provision Eager Zeroed
- B. Thick Provision Lazy Zeroed
- C. Thick Provision
- D. Thin Provision

**Answer:** B

**Explanation:** Reference:

[http://www.cisco.com/c/dam/en/us/td/docs/telepresence/infrastructure/conductor/install\\_guide/TelePresence-Conductor-Virtual-Machine-Install-Guide-XC3-0.pdf](http://www.cisco.com/c/dam/en/us/td/docs/telepresence/infrastructure/conductor/install_guide/TelePresence-Conductor-Virtual-Machine-Install-Guide-XC3-0.pdf)  
 (page 8)

#### NEW QUESTION 330

When dialing 1234, which rule is matched first?

- A. route pattern 1XXX
- B. route pattern 12[123]X
- C. translation pattern 12[123]X
- D. translation pattern 1XXX
- E. directory number 12345

**Answer:** C

#### NEW QUESTION 331

When a call is attempted during a particular time of day, what determines the partitions where calling devices search?

- A. time schedules
- B. calling periods
- C. dial schedules
- D. time periods

**Answer:** A

#### NEW QUESTION 336

Route lists determine the order of preference for route group usage. If a route list is configured, what is the minimum number of route groups that you must configure?

- A. 1
- B. 2
- C. 3
- D. 4
- E. 5
- F. 6
- G. 7



H. 8

**Answer:** A

#### NEW QUESTION 341

On what equipment do you configure Layer 2 to Layer 3 QoS mapping?

- A. switch
- B. router
- C. firewall
- D. Cisco Unified Communications Manager
- E. bridge

**Answer:** A

**Explanation:** <http://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst4500/12-2/31sg/configuration/guide/conf/qos.html>

#### NEW QUESTION 345

A phone is assigned to a partition that is included in the CSS HQ-Phone. This partition contains a route pattern to block calls to service numbers 1-400-xxx-xxxx. When the engineer makes a test call to the number 1-400-400-9000 from that phone, the call goes through. What is the reason for this issue?

- A. The route pattern for the number to be blocked is in partition not accessible to the CSS.
- B. The correct route list is not selected in the route pattern for the dialed number to be blocked.
- C. The correct gateway is not selected for the route list for the route pattern for the dialed number to be blocked.
- D. The route pattern for the number to be blocked is in "NULL" partition.
- E. The route pattern is misconfigured.

**Answer:** A

#### NEW QUESTION 346

In a centralized call-processing solution, there are five sites connected through an IP WAN. To optimize the utilization of the IP WAN, CAC needs to be implemented.

How should CAC be implemented?

- A. Use a gatekeeper to control allocated bandwidth properly.
- B. Use locations CAC with a single location.
- C. Use a gatekeeper and Cisco Unified Border Element to provide CAC to sites that use a combination of SIP and MGCP gateways.
- D. Use a gatekeeper to only control those locations that use H.323 gateways and a Cisco Unified BorderElement to control those sites that use MGCP or SIP gateways.
- E. Use locations CAC with five locations in addition to Hub none.

**Answer:** E

#### NEW QUESTION 350

The Cisco TelePresence Conductor will not handle conference requests if the administrator username/ password is configured as which of these options?

- A. admin/TANDBERG
- B. administrator/TANDBERG
- C. tandberg/Cisco
- D. admin/Cisco
- E. cisco/Cisco
- F. administrator/Cisco
- G. cisco/TANDBERG

**Answer:** A

#### NEW QUESTION 352

Refer to the exhibit.

Route Pattern Configuration

Relate

Save

Status

Status: Ready

Pattern Definition

Route Pattern\*

9.1900XXXXXXX

Route Partition

HQ\_LD

Description

Numbering Plan

-- Not Selected --

Route Filter

< None >

MLPP Precedence\*

Default

Resource Priority Namespace Network Domain

< None >

Route Class\*

Default

Gateway/Route List\*

LRG\_RL

(Edit)

Route Option

Route this pattern

Block this pattern

No Error

Call Classification\*

OffNet

Allow Device Override

Provide Outside Dial Tone

Allow Overlap Sending

Urgent Priority

Require Forced Authorization Code

Authorization Level\*

0

Require Client Matter Code

When a user dials 919005551212, the call fails. Which change do you need to make for this call to be successful?

- A. Change the route partition.
- B. Change the gateway or route list.
- C. Change the route pattern to the correct number of digits.
- D. Change the call classification to OnNet.
- E. Change the route option.

Answer: E

#### NEW QUESTION 357

When local route groups are used and a user dials 918005551212 what component is ultimately used to route the digits to the local gateway?

- A. The route list applied to the route pattern
- B. The device pool of the calling device
- C. The translation pattern
- D. The gateway or route list associated with eh +. route pattern

Answer: B

**Explanation:** The device pool is used to route the digits to the local gateway.

#### NEW QUESTION 358

What is the correct configuration order of call routing to support off-net call routing?

- A. device, route group, route list, route pattern
- B. route list, route group, route pattern, device
- C. route pattern, route list, route group, device
- D. device, route list, route group, route pattern

Answer: C

#### NEW QUESTION 362

Which two types of encoding are available to configure a T1 controller for CAS?

- A. AME.
- B. ESF.
- C. SF.
- D. B8SF.

- E. B8ZS.
- F. AMI.

Answer: EF

NEW QUESTION 364

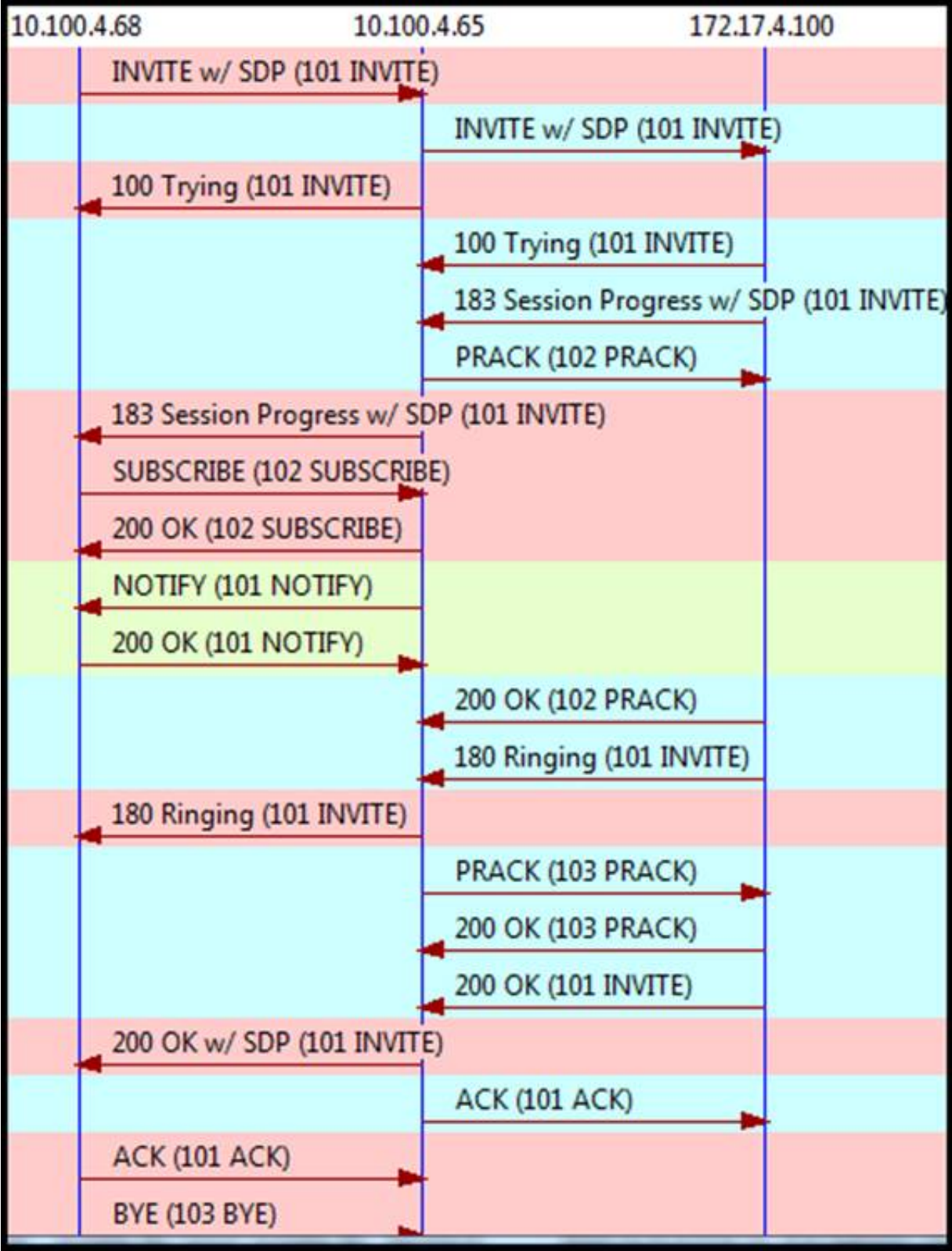
A customer recently installed a Cisco TelePresence MCU 5320. The customer wants a virtual meeting room that restricts participants from communicating before the customer joins the call.  
Which feature in the MCU enables this functionality?

- A. Floor and chair control.
- B. Numeric ID.
- C. PIN codes.
- D. Owner.

Answer: A

NEW QUESTION 368

Refer to the exhibit.



Which party has a SIP B2BUA role in the call?

- A. 172.17.4.100
- B. 10.100.4.65 and 172.17.4.100
- C. 10.100.4.65
- D. None of the parties has a B2BUA role in the call.
- E. 10.100.4.68 and 10.100.4.65

Answer: C

NEW QUESTION 369

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