

# 300-080<sup>Q&As</sup>

Troubleshooting Cisco IP Telephony and Video

## Pass Cisco 300-080 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

<https://www.certbus.com/300-080.html>

100% Passing Guarantee  
100% Money Back Assurance

Following Questions and Answers are all new published by Cisco  
Official Exam Center

-  **Instant Download** After Purchase
-  **100% Money Back** Guarantee
-  **365 Days** Free Update
-  **800,000+** Satisfied Customers



### QUESTION 1

You have configured a new MGCP gateway on your Cisco Unified Communications Manager servers but the endpoints are shown with status "None".

What are two possible solutions for this registration issue? (Choose two)

- A. Configure the voice-VLAN interface of the MGCP gateway with mgcp-gateway voip interface command to set the source IP address of the MGCP packets correctly.
- B. Ensure that you have configured the mgcp call-agent command with the Cisco Unified Communications Manager server address or hostname.
- C. Enable the endpoint voice interface for backhauling in interface configuration mode with the isdn bind-l3 ccm-manager command
- D. Ensure that you have configured the ccm-manager call-agent command with the correct Cisco Unified Communications Manager server address or hostname.
- E. Activate the MGCP Feature service on all call-processing servers in the cluster.

Correct Answer: BD

---

### QUESTION 2

During a business-to-business video call through the Cisco Expressway solution, the internal endpoint can call out to the remote endpoint on the Internet, but it does not receive audio or video. The remote endpoint receives both audio and video. What is causing the issue?

- A. The Cisco Expressway does not have a Rich Media Session license.
- B. The firewall is blocking SIP signaling.
- C. The Cisco Unified Communications Manager is not configured for business-to-business calling.
- D. The firewall is blocking inbound RTP ports.
- E. The Advanced Networking option is not installed on the Expressway Edge.

Correct Answer: D

---

### QUESTION 3

Refer to the exhibit, which displays the output of the debug ccsip messages command on a Cisco router.

```
036294: Jun 26 13:46:07.936: //92672/70DBC0B09D1A/SIP/Call/sipSPIMediaCallInfo:  
Number of Media Streams: 1  
Media Stream          : 1  
Negotiated Codec      : g711ulaw  
Negotiated Codec Bytes : 160  
Nego. Codec payload   : 0 (tx), 0 (rx)  
Negotiated Dtmf-relay : 6  
Dtmf-relay Payload    : 101 (tx), 101 (rx)  
Source IP Address (Media): 192.168.84.5  
Source IP Port (Media): 16540  
Destn IP Address (Media): 192.168.84.12  
Destn IP Port (Media): 31002  
Orig Destn IP Address:Port (Media): [ - ]:0
```



What is the negotiated dual tone multifrequency on this call?

- A. h245-alphanumeric
- B. rtp-nte
- C. sip-kpml
- D. sip-notify
- E. cisco-rtp
- F. h245-signal

Correct Answer: B

#### QUESTION 4

Refer to the exhibit.

```
voice-card 0
no local-bypass
!
controller t1 0/0/0
pri-group timeslots 1-24
!
interface Serial0/0/0:23
no ip address
encapsulation hdlc
isdn switch-type primary-m
isdn incoming-voice voice
!
ip rtcp report interval 5000
!
voice-port 0/0/0:23
timeouts wait-release 10
timeouts initial 10
!
!
gateway
media-inactivity-criteria all
timer receive-rtcp 2
timer receive-rtp 10000
```

Users are reporting that inbound calls from the PSTN are dropping when not answered within 10 seconds. Calls come in via ISDN T1 PRI. Which configuration change is needed to prevent the calls from dropping?

- A. Remove the timeouts wait-release 10 command from under the voice-port.
- B. Remove the timeouts initial 10 command from under the voice-port.
- C. Remove the timer receive-rtcp 2 command from under the gateway.
- D. Remove the timer receive-rtp 10000 command from under the gateway.
- E. Modify the Call Forward No Answer setting in CUCM to redirect calls to Voicemail or another extension.

Correct Answer: C

#### QUESTION 5

Which two tasks are performed by the RAS signaling function of H.225.0? (Select two.)

- A. Performs bandwidth changes.
- B. Transports audio messages between endpoints.
- C. Performs disengage procedures between endpoints and a gatekeeper.
- D. Allows endpoints to create connections between call agents.

Correct Answer: AC

#### QUESTION 6

When the command `utils dbreplication status` is executed on the Cisco Unified Communications Manager CLI, which step should be taken next to check the database replication status?

- A. View the `activelog` file.
- B. Run the same command on all nodes of the cluster.
- C. Restart the Cisco CallManager service.
- D. The command `utils dbreplication runtimestate` must be run on the publisher.
- E. The command `utils dbreplication runtimestate` must be run on the subscriber.

Correct Answer: A

---

#### QUESTION 7

Which four performance counters are available when monitoring a Cisco MTP device using the Cisco Unified Communications Manager RTMT? (Choose four.)

- A. Resource Total
- B. Resource Available
- C. Out of Resources
- D. Resource Idle
- E. Resource Active
- F. MTP Streams Active
- G. MTP Connection Lost
- H. MTP Instances Active

Correct Answer: ABCE

---

#### QUESTION 8

Refer to the exhibit.

```
*Mar 24 16:17:54.190: ISDN Se0/0/0:15 Q931: RX <- SETUP pd = 8 callref = 0x00AA
  Bearer Capability i = 0x8090A3
    Standard = CCITT
    Transfer Capability = Speech
    Transfer Mode = Circuit
    Transfer Rate = 64 kbit/s
  Channel ID i = 0xA98381
    Exclusive, Channel 1
  Progress Ind i = 0x8183 - Origination address is non-ISDN
  Calling Party Number i = 0x1180, '4940302156001'
    Plan:ISDN, Type:International
  Called Party Number i = 0x81, '2288223001'
    Plan:ISDN, Type:Unknown
*Mar 24 16:17:54.210: ISDN Se0/0/0:15 Q931: TX -> RELEASE_COMP pd = 8 callref =
  0x80AA
  Cause i = 0x8081 - Unallocated/unassigned number
```



The exhibit shows the output of debug isdn q931. An inbound PSTN call was received by a SIP gateway that is reachable via a SIP trunk that is configured in Cisco Unified Communications Manager. The call failed to ring extension 3001. If the phone at extension 3001 is registered and reachable through the gateway inbound CSS, which three actions can resolve this issue? (Choose three.)

- A. Change the significant digits for inbound calls to 4 on the SIP trunk configuration in Cisco Unified Communications Manager.
- B. Configure the digit strip 4 on the SIP trunk under Incoming Called Party Settings in Cisco Unified Communications Manager.
- C. Configure a translation pattern in Cisco Unified Communications Manager that can be accessed by the trunk CSS to truncate the called number to four digits.
- D. Configure a called-party transformation CSS on the gateway in Cisco Unified Communications Manager that includes a pattern that transforms the number from ten digits to four digits.
- E. Configure a voice translation profile in the SIP Cisco IOS gateway with a voice translation rule that truncates the number from ten digits to four digits.
- F. Configure the Cisco IOS command num-exp 2288223001 3001 on the gateway ISDN interface.

Correct Answer: ACE

## QUESTION 9

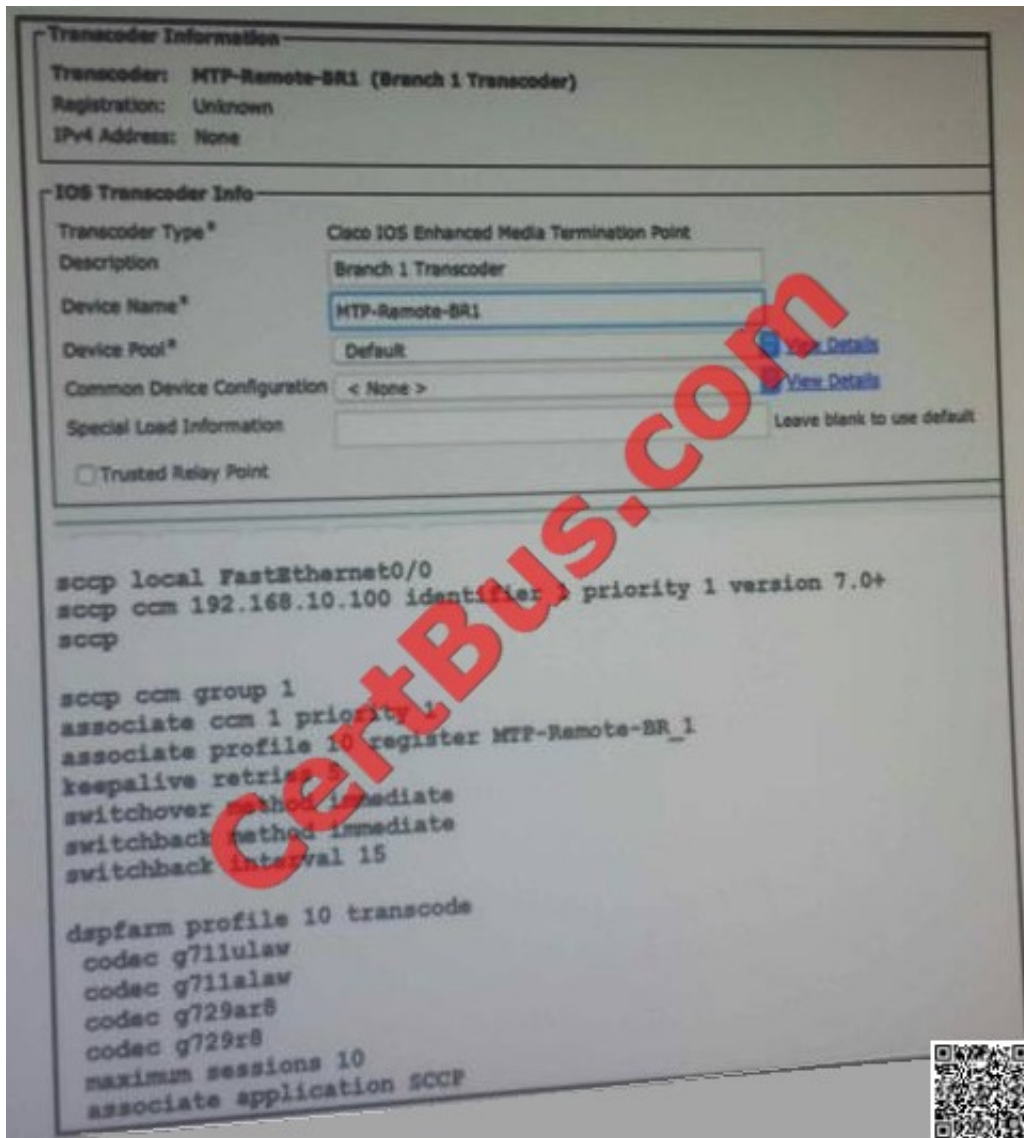
When troubleshooting a "disconnect code 65" on Cisco Unified Border Element, which option is the likely cause in the configuration?

- A. missing dial-peer

- B. codec mismatch
- C. dtmf-relay misconfiguration
- D. no IP address trust list

Correct Answer: A

**QUESTION 10**



Refer to the exhibit. An engineer is troubleshooting an issue with a newly configured transcoder. After the engineer configures the IOS device and Cisco Unified Communications Manager (CUCM), the device will not register. What must the engineer reconfigure to fix this issue?

- A. the device type on CUCM
- B. the device pool on the transcoder

- C. the router to match the profile name
- D. the router to remove any unnecessary codecs

Correct Answer: A

---

#### QUESTION 11

Which two protocols are required for a Cisco 8800 series IP phone to successfully register with CUCM? (Choose two)

- A. CDP
- B. HTTP
- C. TFTP
- D. LLDP
- E. SIP
- F. DHCP
- G. SCCP

Correct Answer: CE

---

#### QUESTION 12

When viewing the configuration of Intercluster Lookup Service, this command is used to look up the URI of a remote cluster user:

```
Admin:utils ils lookup user1@acme.com
```

Routing string is cucm1.cisco.com

Which configuration is required on Cisco Unified Communications Manager, in order to allow routing calls to the URI of this remote cluster user?

- A. SIP route pattern for domain\*.acme.com
- B. SIP trunk with destination cucm1.cisco.com
- C. end user with directory URI user1@acme.com
- D. SIP route pattern for domain\*cisco.com

Correct Answer: A

---

#### QUESTION 13

Which set is likely to resolve an issue with one-way audio on an H.323 gateway?



A.

```
interface Loopback0
  ip address 172.31.255.1 255.240.0.0
  ip virtual-reassembly in
  h323-gateway voip interface
```

B.

```
interface Loopback0
  ip address 172.31.255.1 255.240.0.0
  ip virtual-reassembly in
  h323-gateway voip interface
  h323-gateway voip bind srcaddr 172.31.255.1
```

C.

```
interface Loopback0
  ip address 172.31.255.1 255.240.0.0
  ip virtual-reassembly in
  h323-gateway voip interface
  h323-gateway voip h323-id AUDIO
```

D.

```
interface Loopback0
  ip address 172.31.255.1 255.240.0.0
  ip virtual-reassembly in
  h323-gateway voip tech-prefix 212
```



A. B. C. D.

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: B

**QUESTION 14**

Partitions can be assigned to which two items? (Choose two)

A. directory numbers

B. trunks

C. devices

D. gateways

E. IP phones

Correct Answer: AD

**QUESTION 15**

Refer to Exhibit: What protocol was used in this call?

Exhibit1

```

2015/02/09 11:13:27.672|SIPL|0|TCP|IN|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.36^10.1.111.3^|173|8478ace7-1d1f0006-43f1b7ba-45b75221b@10.1.111.3|INVITE
2015/02/09 11:13:27.672|SIPL|0|TCP|OUT|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.36^10.1.111.3^|174|8478ace7-1d1f0006-43f1b7ba-45b75221b@10.1.111.3|100 Trying
2015/02/09 11:13:29.371|CC|SETUP|23329196|23329197|2001|2003|2003
2015/02/09 11:13:29.438|SIPL|23329197|TCP|OUT|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.25^10.1.111.2^|188|b9a7d800-4d9106d9-9-19056010a@10.1.5.25|INVITE
2015/02/09 11:13:29.439|CC|OFFERED|23329196|23329197|2001|2003|2003|SEP8478ACE71D1F|SEP64AE0CF7BC79
2015/02/09 11:13:29.530|SIPL|23329197|TCP|IN|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.25^10.1.111.2^|191|b9a7d800-4d9106d9-9-19056010a@10.1.5.25|100 Trying
2015/02/09 11:13:29.667|SIPL|23329197|TCP|IN|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.25^10.1.111.2^|191|b9a7d800-4d9106d9-9-19056010a@10.1.5.25|180 Ringing
2015/02/09 11:13:29.670|SIPL|23329196|TCP|OUT|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.45^10.1.111.3^|192|8478ace7-1d1f0006-43f1b7ba-45b7521b@10.1.111.3|180 Ringing
2015/02/09 11:13:38.651|SIPL|23329196|TCP|IN|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.45^10.1.111.3^|195|8478ace7-1d1f0006-43f1b7ba-45b7521b@10.1.111.3|CANCEL
2015/02/09 11:13:38.651|SIPL|23329196|TCP|OUT|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.45^10.1.111.3^|196|8478ace7-1d1f0006-43f1b7ba-45b7521b@10.1.111.3|200 OK
2015/02/09 11:13:38.670|SIPL|23329197|TCP|OUT|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,146.45^10.1.111.3^|197|b9a7d800-4d9106d9-9-19005010a@10.1.5.25|CANCEL
2015/02/09 11:13:38.671|SIPL|23329196|TCP|OUT|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.45^10.1.111.3^|198|8478ace7-1d1f0006-43f1b7ba-45b7521b@10.1.111.3|487
2015/02/09 11:13:38.772|SIPL|23329196|TCP|IN|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.46^10.1.111.3^|199|8478ace7-1d1f0006-43f1b7ba-45b7521b@10.1.111.3|ACK
2015/02/09 11:13:38.774|SIPL|23329197|TCP|IN|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.27^10.1.111.2^|200|b9a7d800-4d9106d9-9-19056010a@10.1.5.25|200 OK
2015/02/09 11:13:38.775|CC|RELEASE|23329196|23329197|16
2015/02/09 11:13:38.851|SIPL|23329197|TCP|IN|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.28^10.1.111.2^|201|b9a7d800-4d9106d9-9-19056010a@10.1.5.25|487 Request C
2015/02/09 11:13:38.851|SIPL|23329197|TCP|OUT|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.28^10.1.111.2^|202|b9a7d800-4d9106d9-9-19005010a@10.1.5.25|ACK
                
```

A. H.323

B. SCCP

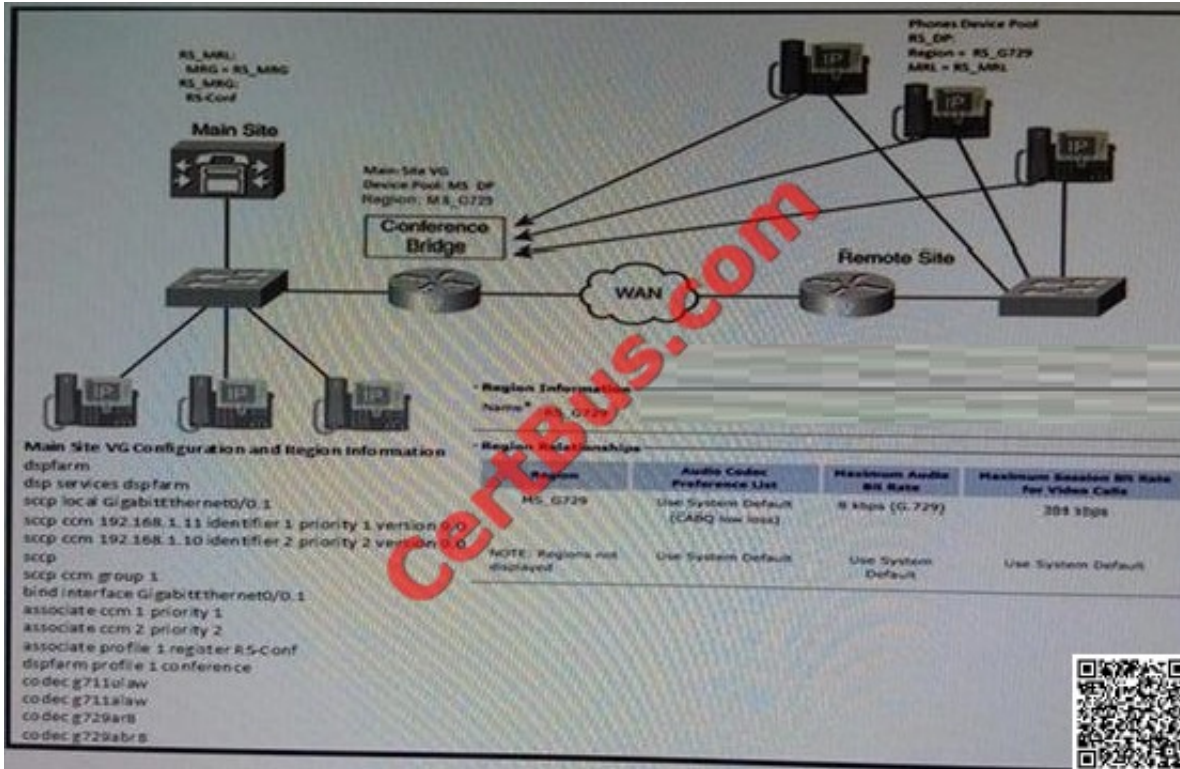
C. MGCP

D. SIP

Correct Answer: D

**QUESTION 16**

Refer to the Exhibit.



What happens if the three phones at the remote site try to establish a conference call with each other?

- A. The call fails, because the main site conference bridge is not registered with CUCM
- B. The call establishes and uses codec G.711 because the main site VG is configured to use codec
- C. 711 as the preferred codec.
- D. The call fails, because the main site VG cannot support three participants in a conference call.
- E. The call establishes and uses codec G.729, because the RS region is set to use codec
- F. 729 with the MS region in CUCM

Correct Answer: D

**QUESTION 17**

If you are required to configure a router to use MGCP on a digital port, which measure will you take?

- A. Add the application mgcpapp subcommand to the dial peer
- B. Add the service mgcp subcommand to the dial peer
- C. Add the parameter application mgcpapp to the dsO-group controller subcommand.
- D. Add the service mgcp parameter to the dsO-group controller subcommand

Correct Answer: D

**QUESTION 18**

What does this trace indicate?

Refer to the exhibit.

```

17:12:38.525 |StationInit: (0003212) OpenReceiveChannelAck Status=0, IpAddr=IpAddr.type:0
ipAddr:0xac645077000000000000000000000000(172.100.80.119), Port=29458, PartyID=33712903 |2,100,50,1.41500934
17:12:38.529 |StationD: (0003212) CallState:callState=3 lineInstance=1 callReference=35181381 privacy=0 sccp_precedenceLv=4
precedenceDm=0 |2,100,50,1.41500715
17:12:38.529 |StationD: (0003212) SelectSoftKeys instance=1 reference=35181381 softKeySetIndex=8 validKeyMask=fffffff |
2,100,50,1.41500715
17:12:38.529 |StationD: (0003212) DisplayPromptStatus timeOut=0 Status='T-' content='ring Out' line=1 Cl=35181381 ver=85720014 |
2,100,50,1.41500715
17:12:38.529 |StationD: (0003212) DEBUG- star_DSetCallState(7) State of cdpc(156589) is 6 |2,100,50,1.41500715
17:12:43.029 |StationD: (0003212) restart0_CcSetupRes: updateACall=35181381 new_cm_prec=5 |2,100,50,1.41500715
17:12:43.029 |StationCdpC: ReceivedCcSetupRes - CallSecurityStatus=1 |2,100,50,1.41500715
17:12:43.029 |StationCdpC: star_CcNotifyReq - CallSecurityStatus=1 |2,100,50,1.41500715
17:12:43.029 |StationD: (0003212) CallState:callState=5 lineInstance=1 callReference=35181381 privacy=0 sccp_precedenceLv=4
precedenceDm=0 |2,100,50,1.41500715
17:12:43.029 |StationD: (0003212) SelectSoftKeys instance=1 reference=35181381 softKeySetIndex=1 validKeyMask=ffffbfff |
2,100,50,1.41500715
17:12:43.029 |StationD: (0003212) DisplayPromptStatus timeOut=0 Status='CT' content='Connected' line=1 Cl=35181381 ver=85720014 |
2,100,50,1.41500715
17:12:43.029 |StationD: (0003212) StopTone |2,100,50,1.41500715
17:12:43.029 |StationD: (0003212) DEBUG- star_DSetCallPhase updateACall=35181381 from Phase=0 to callPhase=1 |2,100,50,1.41500715
17:12:43.029 |StationD: (0003212) DEBUG- star_DSetCallState(10) State of cdpc(156589) is 7 |2,100,50,1.41500715
17:12:54.031 |StationInit: (0003212) StationMediaPathEvt Handset (2) = Off (2) |2,100,50,1.41501251
17:12:54.039 |StationInit: (0003212) OnHook |2,100,50,1.41501252
17:12:54.039 |StationD: (0003212) StopTone |2,100,50,1.41501252
17:12:54.039 |StationD: (0003212) CloseReceiveChannel conferenceID=35181381 passThruPartyID=33712903. myIP: IpAddr.type:0
ipv4Addr:0xac645077(172.100.80.119) |2,100,50,1.41501252
17:12:54.039 |StationD: (0003212) StopMediaTransmission conferenceID=35181381 passThruPartyID=33712903. myIP: IpAddr.type:0
ipv4Addr:0xac645077(172.100.80.119) |2,100,50,1.41501252
    
```

- A. a disconnected call
- B. a completed call setup
- C. a failed call setup
- D. an interrupted call setup

Correct Answer: A

**QUESTION 19**

Which command do you use to confirm that a router interlace is enabled for SAP?

- A. show eigrp service-family ipv4 client details.
- B. show ip interface details
- C. show ip saf-service-family interface
- D. show run

E. show eigrp service -family interface

F. show eigrp service-family ipv4

To Read the [Whole Q&As](#), please purchase the [Complete Version](#) from [Our website](#).

## Try our product !

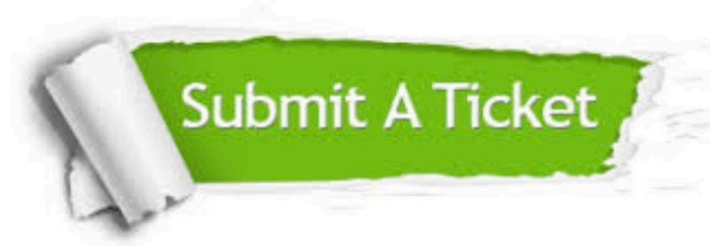
100% Guaranteed Success  
100% Money Back Guarantee  
365 Days Free Update  
Instant Download After Purchase  
24x7 Customer Support  
Average 99.9% Success Rate  
More than 800,000 Satisfied Customers Worldwide  
Multi-Platform capabilities - [Windows](#), [Mac](#), [Android](#), [iPhone](#), [iPod](#), [iPad](#), [Kindle](#)

We provide exam PDF and VCE of Cisco, Microsoft, IBM, CompTIA, Oracle and other IT Certifications.  
You can view Vendor list of All Certification Exams offered:

<https://www.certbus.com/allproducts>

## Need Help

Please provide as much detail as possible so we can best assist you.  
To update a previously submitted ticket:



 <p><b>One Year Free Update</b> Free update is available within One Year after your purchase. After One Year, you will get 50% discounts for updating. And we are proud to boast a 24/7 efficient Customer Support system via Email.</p>	 <p><b>Money Back Guarantee</b> To ensure that you are spending on quality products, we provide 100% money back guarantee for 30 days from the date of purchase.</p>	 <p><b>Security &amp; Privacy</b> We respect customer privacy. We use McAfee's security service to provide you with utmost security for your personal information &amp; peace of mind.</p>
---	---	--

Any charges made through this site will appear as Global Simulators Limited.  
All trademarks are the property of their respective owners.  
Copyright © certbus, All Rights Reserved.