

**Exam Code:** 642-452

**Exam Name:** Gateway Gatekeeper(GWGK)

**Vendor:** CISCO

**Version:** DEMO

## Part: A

1: Refer to the exhibit. Highland Park Property Development is integrating a Cisco CallManager system with the existing PBX via an E1 QSIG trunk. After the initial configuration, no calls can be placed from IP phones to PBX phones. How can this problem be resolved?

```
1d20h: ISDN Se3/0:15: outgoing call id = 0x85F4, ds1 0
1d20h: ISDN Se3/0:15: process_pri_call(): call id 0x85F4, number 35293315, speed 0,
call type VOICE, redialed? f, csm call? f, pdata? t
1d20h: called type/plan overridden by call_decode
1d20h: didn't copy oct3a reason: not CALLER_NUMBER_IE
1d20h: building outgoing channel id for call nfas_int is 0 len is 0
1d20h: ISDN Se3/0:15: TX -> INFOC sapi = 0 tei = 0 ns = 19 nr = 19 i =
0x080200890504038090A31803A983811E0281837009803335323933333135
1d20h: SETUP pd = 8 callref = 0x0089
1d20h: Bearer Capability i = 0x8090A3
1d20h: Channel ID i = 0xA98381
1d20h: Progress Ind i = 0x8183 - origination address is non-ISDN
1d20h: Called Party Number i = 0x80, '35293315', Plan:Unknown, Type:Unknown
1d20h: ISDN Se3/0:15: RX <- RRR sapi = 0 tei = 0 nr = 20
1d20h: ISDN Se3/0:15: RX <- INFOC sapi = 0 tei = 0 ns = 19 nr = 20 i =
0x080280895A08028286
1d20h: RELEASE_COMP pd = 8 callref = 0x8089
1d20h: Cause i = 0x8286 - channel unacceptable
1d20h: ISDN Se3/0:15: TX -> RRR sapi = 0 tei = 0 nr = 20
1d20h: ISDN Se3/0:15: CCPRI_ReleaseCall(): bchan 1, call id 0x85F4, call type VOICE
1d20h: CCPRI_ReleaseChan released b_dsl 0 B_Chan 1
1d20h: ISDN Se3/0:15: LIF_EVENT: ces/callid 1/0x85F4 CALL_REJECTION
1d20h: ISDN Se3/0:15: LIF_EVENT: ces/callid 1/0x85F4 CALL_CLEARED
1d20h: ISDN Se3/0:15: received CALL_CLEARED call_id 0x85F4
```

- A. Add the command `isdn contiguous-bchan` to the serial interface.
- B. Change the channel selection order from descending to ascending.
- C. Add the command `isdn negotiate-bchan` to the serial interface.
- D. Increase the ISDN T302 timer to allow more time for call setup.

**Correct Answers: C**

3: Which dial peer will send calls to the PSTN via the CAS T1 using this controller configuration?  
`controller t1 3/0 framing eslinecode b8zsds0-group 1 timeslots 1-24 type e&m-wink-start`

- A. `dial-peer voice 1 potsdestination-pattern 9.@port 3/0:1`
- B. `dial-peer voice 1 potsdestination-pattern 9.@port 3/0:24`
- C. `dial-peer voice 1 potsdestination-pattern 91port 3/0:1`
- D. `dial-peer voice 1 potsdestination-pattern 91port 3/0:24`

**Correct Answers: C**

4: Which three features are available during SRST failover? (Choose three.)

- A. music on hold
- B. IP phone speed dial
- C. distinctive ring
- D. call forwarding

**Correct Answers: A B C**

5: Refer to the exhibit. What is the purpose of the TCL script snippet?

```

proc init { } {
    global param
    set param(interruptPrompt) true
    set param(abortKey) #
    set param(terminationKey) #
}

proc act_Setup { } {
    global dest
    global beep
    set beep 0
    leg setupack leg_incoming
    if { [infotag get leg_isdid] } {
        set dest [infotag get leg_dnis]
        leg proceeding leg_incoming
        leg setup $dest callInfo leg_incoming
        fsm setstate PLACECALL
    } else {
        playtone leg_incoming tn_dial
        set param(dialPlan) true
        leg collectdigits leg_incoming param
    }
}

```

- A.process a script exit
- B.play an audio prompt
- C.terminate a call
- D.gather initial digits
- E.interrupt a call in progress

**Correct Answers: D**

6: In a particular company, field offices route calls to headquarters out IP gateways to the PSTN. The numbers are all of the form 1-202-454-XXXX. When dialing, the field offices wish to dial only the last four digits. Which of the following Cisco IOS commands must be a part of the PSTN dial peer on the field office gateways?

- A.no digit-strip
- B.prefix 1
- C.num-exp .... 1202454....
- D.rule 1 ^202454 1

**Correct Answers: C**

7: A company determines that all long-distance calls to area code 603 will route across the WAN. The destination gateway is 10.172.163.5 connected through serial interface 1/0. Which set of Cisco IOS commands will accomplish this?

- A.dial-peer voice 100 potsdestination-pattern 1603.....port ipv4:10.172.163.5
- B.dial-peer voice 101 voipdestination-pattern 1603.....port 1/0
- C.dial-peer voice 102 voipdestination-pattern 1603.....session-target ipv4:10.172.163.5
- D.dial-peer voice 103 potsdestination-pattern 1603.....session-target 1/0

**Correct Answers: C**

8: You have a client that is a national organization that has deployed an IP telephony network across all of the offices. The organization is divided into geographic regions. These regions include the east, the midwest, and the west. The organization would like to deploy a directory

gatekeeper to provide dial-plan resolution for all of the regions. Which three statements correctly describe a DGK solution? (Choose three.)

- A.provides fault tolerance through a full mesh of regional gatekeepers
- B.allows up to a four-tier gatekeeper hierarchy to be deployed
- C.simplifies regional gatekeeper provisioning
- D.does not limit the number of hops in an LRQ
- E.allows local zones and LRQ forwarding zones to be mixed
- F.The directory-gatekeeper maintains states about the forwarded-LRQ calls.

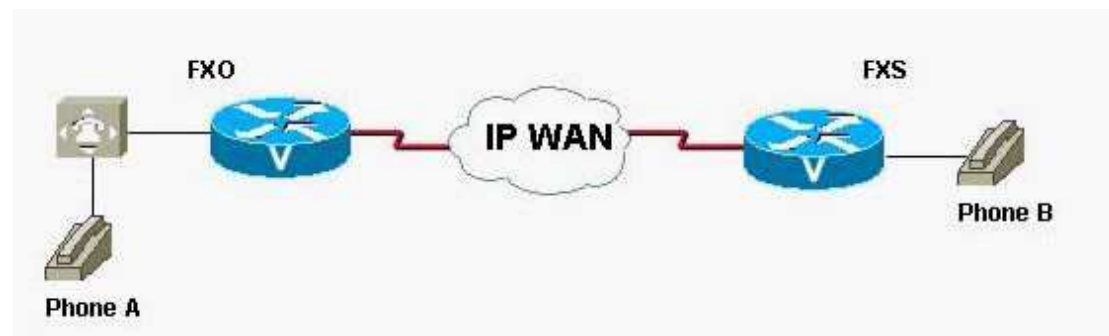
**Correct Answers: B C E**

9: A service provider wants to add SIP devices to the existing H.323 voice network. Which Cisco device will allow the SIP devices to use the existing routing structure on the H.323 gatekeeper?

- A.SIP voice gateway
- B.Cisco SIP Proxy Server
- C.Cisco SIP Redirect Server
- D.Cisco SIP Registrar Server

**Correct Answers: B**

10: Refer to the exhibit and the following steps for a call placed between Phone A and Phone B. Phone A calls Phone B. If Phone B does not answer, Phone B continues to ring even if Phone A hangs up. If the call is answered, it stays active until Phone B hangs up, regardless of the actions of Phone A. How can this problem be resolved?



- A.the amount of time that the PBX provides power denial is too long to be recognized by the FXO port
- B.if the PBX is capable of supporting ground-start signaling, have the FXO port use this feature to receive signal disconnect from the PBX
- C.in the configuration of the FXO port turn off tone based supervisory disconnect, this works only with FXS ports
- D.configure battery reversal on the FXO port so the PBX is aware when Phone B hangs up

**Correct Answers: B**