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Exam : **642-427**

Title : Troubleshooting Cisco Unified Communications v8.0 (TVOICE v8.0)

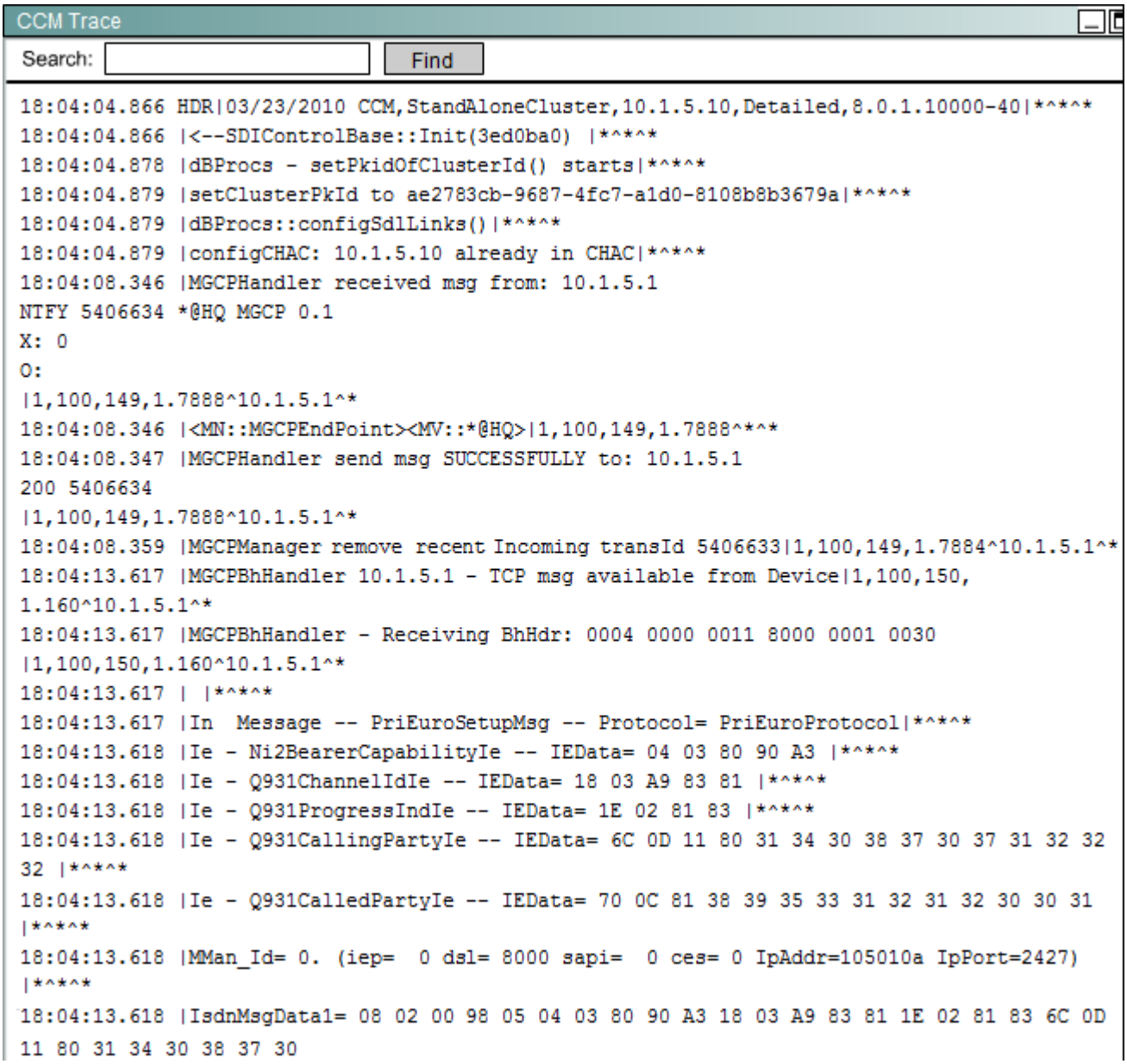
Version : DEMO

1.Where does an IP phone obtain the extension number and speed-dial settings from?
A. the settings that are configured on the physical phone
B. the registration file that the phone receives from the Cisco Unified Communications Manager
C. the device and line configuration in Cisco Unified Communications Manager, during the registration process
D. the default device profile that is configured in Cisco Unified Communications, Manager
Answer: C
Explanation:
When we configure IP phone profile in CUCM that time we also configure extension number and speed dial as per requirement. When IP reachability gets establish between IP phone and CUCM then phone will download config file from CUCM during initial registration process.
Link: http://www.cisco.com/en/US/docs/voice_ip_comm/cucm/admin/3_1_2/ccmcfg/b06phone.html

2.Which web-based application that is accessed via the Cisco Unified Communications Manager Administration GUI generates reports for troubleshooting or inspecting cluster data?
A. Cisco Unified Serviceability alarms
B. Cisco Unified RTMT Trace and Log Central
C. Cisco Unified RTMT Monitor
D. Cisco Unified Reporting tool
Answer: D

3.Which statement about device mobility is true?
A. When local route groups are used, there is no need to configure device mobility groups orphone device CSSs as long as phone line CSSs are used.
B. When local route groups are used, you must configure device mobility groups and phone device CSSs.
C. When the device mobility group at the home device pool and roaming device pool are not the same, the Phone will keep the home region.
D. When device mobility groups at the home device pool and roaming device pool are the same, the phone will keep the home MRGL setting.
Answer: A

4.Refer to the SDI trace in the exhibit A PSTN call arrived at the MGCP gateway that is shown in the SDI trace.


CCM Trace
Search:
Find
18:04:04.866 HDR|03/23/2010 CCM,StandAloneCluster,10.1.5.10,Detailed,8.0.1.10000-40|*^*^*
18:04:04.866 |<--SDIControlBase::Init(3ed0ba0) |*^*^*
18:04:04.878 |dBProcs - setPkidOfClusterId() starts|*^*^*
18:04:04.879 |setClusterPkId to ae2783cb-9687-4fc7-a1d0-8108b8b3679a|*^*^*
18:04:04.879 |dBProcs::configSdlLinks()|*^*^*
18:04:04.879 |configCHAC: 10.1.5.10 already in CHAC|*^*^*
18:04:08.346 |MGCPHandler received msg from: 10.1.5.1
NTFY 5406634 *@HQ MGCP 0.1
X: 0
O:
|1,100,149,1.7888^10.1.5.1^*
18:04:08.346 |<MN::MGCPEndPoint><MV::*@HQ>|1,100,149,1.7888^*^*
18:04:08.347 |MGCPHandler send msg SUCCESSFULLY to: 10.1.5.1
200 5406634
|1,100,149,1.7888^10.1.5.1^*
18:04:08.359 |MGCPManager remove recent Incoming transId 5406633|1,100,149,1.7884^10.1.5.1^*
18:04:13.617 |MGCPBhHandler 10.1.5.1 - TCP msg available from Device|1,100,150,
1.160^10.1.5.1^*
18:04:13.617 |MGCPBhHandler - Receiving BhHdr: 0004 0000 0011 8000 0001 0030
|1,100,150,1.160^10.1.5.1^*
18:04:13.617 | |*^*^*
18:04:13.617 |In Message -- PriEuroSetupMsg -- Protocol= PriEuroProtocol|*^*^*
18:04:13.618 |Ie - Ni2BearerCapabilityIe -- IEData= 04 03 80 90 A3 |*^*^*
18:04:13.618 |Ie - Q931ChannelIdIe -- IEData= 18 03 A9 83 81 |*^*^*
18:04:13.618 |Ie - Q931ProgressIndIe -- IEData= 1E 02 81 83 |*^*^*
18:04:13.618 |Ie - Q931CallingPartyIe -- IEData= 6C 0D 11 80 31 34 30 38 37 30 37 31 32 32
32 |*^*^*
18:04:13.618 |Ie - Q931CalledPartyIe -- IEData= 70 0C 81 38 39 35 33 31 32 31 32 30 30 31
|*^*^*
18:04:13.618 |MMan_Id= 0. (iep= 0 dsl= 8000 sapi= 0 ces= 0 IpAddr=105010a IpPort=2427)
|*^*^*
18:04:13.618 |IsdnMsgData1= 08 02 00 98 05 04 03 80 90 A3 18 03 A9 83 81 1E 02 81 83 6C 0D
11 80 31 34 30 38 37 30

```
37 31 32 32 32 70 0C 81 38 39 35 33 31 32 31 32 30 30 31 |*^*^*
18:04:13.618 |MGCPpn9d::getPriNi2BearCapFromPriSetup - tsp.protocol:9,
tsp.gclearenabled:0|1,100,150,1.160^10.1.5.1^*
18:04:13.618 |MGCPpn9d::processPriSetup - viprCgpnE164=[14087071222],
viprCdpnE164=[89531212001], vcrUploadNeeded=[t]|1,100,150,1.160^10.1.5.1^*
18:04:13.619 |SPROCPri::globalizeInccmingCgpn - Adding prefix: +, Digits to strip: 2,
Cgpn Transformation CSS: 67303531-8720-702e-7740-2c997fb15fec|*^*^*
18:04:13.619 |SPROC :: stripAndPreperdDigits- The number 087071222 is prepended with
prefix +, updated number=+087071222|*^*^*
18:04:13.619 |SPROC  DATransformMatch - matchNumber [+087071222] transformCSSPkid
[67303531-8720-702e-7740
-2c997fb15fec] transformationCss [HQ_clng_pty_Pt] patternUsage [15] paternNodeID
[5b56880d-1998-94c0-413d -e976f0d870a4] OutpulsedNum.nd [087071222] tn  [1] pi [1] npi [1]|
*^*^*
18:04:13.619 |SPROCPri::globalizeInccmingCgpn - Globalized Cgpn = 087071222|*^*^*
18:04:13.619 |SPROC  getCtrlPid - callingNum=087071222, inputCtrlPid=(1,100,195,1)|*^*^*
18:04:13.619 |DbMobility: getMatchedRemDest starts: cnumber = 087071222|*^*^*
18:04:13.619 |DbMobility: getMatchedRemDest: full match case|*^*^*
18:04:13.619 |DbMobility: can't find remdest 087071222 in map|*^*^*
18:04:13.620 |MGCPpn9d - initPortInfo:
 portInfo[00] endpoint=S0/SU0/DS1-0/1@HQ, ci=27173899, globalCallId=5091|1,100,133,52.1^*^*
18:04:13.620 |SPROC analyzeMsgtransCause MessageTransCause.ms = 0, MessageTransCause.ieid =
0, PriTsp.protocol = 9, MCStatus = 0|*^*^*
18:04:13.620 |SPROC analyzeMsgtransCause MessageTransCause.ms = 0, MessageTransCause.ieid =
0, PriTsp.protocol = 9, MCStatus = 0|*^*^*
18:04:13.621 |SPROCPri::globalizeInccmingCgpn - Adding prefix: +, Digits to strip: 2, Cgpn
Transformation CSS: 67303531-8720-702e-7740-2c997fb15fec|*^*^*
18:04:13.621 |SPROC :: stripAndPreperdDigits- The number 087071222 is prepended with prefix
+, updated number=+087071222|*^*^*
18:04:13.621 |SPROC  DATransformMatch - matchNumber [+087071222] transformCSSPkid
[67303531-8720-702e-7740 -2c997fb15fec] transformationCss [HQ_clng_pty_Pt] patternUsage [15]
paternNodeID [5b56880d-1998-94c0-413d -e976f0d870a4] OutpulsedNum.nd [087071222] tn  [1] pi
[1] npi [1]|*^*^*
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18:04:13.621 |SPROCPri::globalizeIncomingCgpn - Globalized Cgpn = 087071222|*^*^*
18:04:13.621 |Cdcc - (0000096) - storeDchanCrp - secure capability on side 0 is (1,1)
|1,100,150,1.160^10.1.5.1^*
18:04:13.621 |Cdcc::preliminaryProcessCcSetupInd(0000096):
precLvl=5|1,100,150,1.160^10.1.5.1^*
18:04:13.622 |Digit Analysis: star_DaReq: daReq.partitionSearchSpace
(9c05b0ec-2fa1-3181-008d-2331fa4ac74a),filteredPartitionSearchSpaceString(Internal_Pt),
partitionSearchSpaceString(Internal_Pt)|1,100,150,1.160^10.1.5.1^*
18:04:13.622 |Digit Analysis: star_DaReq: Matching Legacy Numeric,
digits=2001|1,100,150,1.160^10.1.5.1^*
18:04:13.622 |Digit Analysis: getDaRes data: daRes.ssType=[0] Intercept
DAMR.sstype=[16777222], TPcount=[0],DAMR.NotifyCount=[1], DaRes.NotifyCount=[0]|1,100,150,
1.160^10.1.5.1^*
18:04:13.622 |Digit analysis: match(pi="2", fqcn="", cn="087071222",plv="5",
pss="Internal_Pt",TodFilteredPss="Internal_Pt", dd="2001",dac="0")
|1,100,150,1.160^10.1.5.1^*
18:04:13.622 |Digit analysis: analysis results|1,100,150,1.160^10.1.5.1^*
18:04:13.622 ||PretransformCallingPartyNumber=087071222
|CallingPartyNumber=087071222
|DialingPartition=Internal_Pt
|DialingPattern=2001
|FullyQualifiedCalledPartyNumber=+4989531212001
|DialingPatternRegularExpression=(2001)
|DialingWhere=
|PatternType=Enterprise
|PotentialMatches=NoPotentialMatchesExist
|DialingSdlProcessId=(0,0,0)
|PretransformDigitString=2001
|PretransformTagsList=SUBSCRIBER
|PretransformPositionalMatchList=2001
|CollectedDigits=2001
|UnconsumedDigits=
|TagsList=SUBSCRIBER
|PositionalMatchList=2001
|VoiceMailbox=
|VoiceMailCallingSearchSpace=Internal_Pt
```

```
|VoiceMailPilotNumber=2000
|RouteBlockFlag=RouteThisPattern
|RouteBlockCause=0
|AlertingName=
|UnicodeDisplayName=
|DisplayNameLocale=1
|InterceptPartition=Internal_Pt
|InterceptPattern=2001
|InterceptWhere=
|InterceptSdlProcessId=(0,0,0)
|InterceptSsType=16777222
|InterceptSsKey=0
|InterceptSsNotifyType=1
|OverlapSendingFlagEnabled=0
|WithTags=
|WithValues=
|CallingPartyNumberPi=NotSelected
|ConnectedPartyNumberPi=NotSelected
|CallingPartyNamePi=NotSelected
|ConnectedPartyNamePi=NotSelected
|CallManagerDeviceType=NoDeviceType
|PatternPrecedenceLevel=Routine
|CallableEndPointName=[5b7cb109-5028-2738-2123-058c1b2c16f8]
|PatternNodeId=[5b7cb109-5028-2738-2123-058c1b2c16f8]
|AARNeighborhood=[]
|AARDestinationMask=[]
|AARKeepCallHistory=true
|AARVoiceMailEnabled=false
|NetworkLocation=OnNet
|Calling Party Number Type=Cisco Unified CallManager
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|Calling Party Numbering Plan=Cisco Unified CallManager
|Called Party Number Type=Cisco Unified CallManager
|Called Party Numbering Plan=Cisco Unified CallManager
|ProvideOutsideDialtone=false
|AllowDeviceOverride=false
|AlternateMatches= Information Not Available
|TranslationPatternDetails= Information Not Available
|ResourcePriorityNamespace=
|PatternRouteClass=RouteClassDefault|1,100,150,1.160^10.1.5.1^*
18:04:13.622 |SMDMSharedData::findAliasRegInfo - AliasName =
5b7cb109-5028-2738-2123-058c1b2c16f8 not in AliasInfo hashmap|1,100,150,1.160^10.1.5.1^*
18:04:13.622 |DeviceManager::star_DmPidReq -
RequestedName=5b7cb109-5028-2738-2123-058c1b2c16f8 LookupName=5b7cb109
-5028-2738-2123-058c1b2c16f8|1,100,150,1.160^10.1.5.1^*
18:04:13.622 |SMDMSharedData::findLocalDevice -
Name=2001:79e5c8dc-d847-cd14-5647-b483c6070680 Key=5b7cb109-5028-
2738-2123-058c1b2c16f8 isActvie=1 Pid=(1,154,9) found|1,100,150,1.160^10.1.5.1^*
18:04:13.623 |Digit analysis: wait_DmPidRes-
Partition=[79e5c8dc-d847-cd14-5647-b483c6070680] Pattern=[2001]
Where=[],cmDeviceType=[UserDevice], OutsideDialtone =[0], DeviceOverride=[0],
PID=LineControl(1,100,154,9)|1,100,150,1.160^10.1.5.1^*
18:04:13.623 |processCCMFeatureData: operationIeIdd=0|1,100,150,1.160^10.1.5.1^*
18:04:13.623 |findUnfiredInterceptOnPattern numOfPatterns = 1|1,100,150,1.160^10.1.5.1^*
18:04:13.623 |ForwardManager - findCallBySsParty - mPartyToActiveCallIndexMap entry NOT
found for party= 27173899 |1,100,150,1.160^10.1.5.1^*
18:04:13.623 |ForwardManager - findActivationEntryBySsParty - mPartyToActivationIndexMap -
Entry NOT found for party= 27173899|1,100,150,1.160^10.1.5.1^*
18:04:13.623 |ForwardManager - addActiveCallTableEntry - Added entry for party= 27173899
callkey= 0x1D|1,100,150,1.160^10.1.5.1^*
18:04:13.623 |Forwarding - Created! - callKey= 0x1D|1,100,177,29.1^*^*
18:04:13.624 |Forwarding - getInterceptTableEntry - Successful for nppkid
5b7cb109-5028-2738-2123- 058c1b2c16f8|1,100,150,1.160^10.1.5.1^*
18:04:13.624 |Forwarding - logInterceptTableEntry
```

```
{
 callKey= 0x1D,
 ssKey = 0, recordStatus 0,
 dnPattern =  2001, dnPartition = 79e5c8dc-d847-cd14-5647-b483c6070680,
 dnPartitionSearchSpace =
Blk_intl_Pt:SAF_Pt:Internal_Pt:HQ_Local:HQ_LD:HQ_Intl:PSTN_Pt,
 cfa     = , cfaToVM     = 0, cfaCss     = ,
 cfb     = , cfbToVM     = 1, cfbCss     = ,
 cfbInt  = , cfbIntToVM  = 1, cfbIntCss  = ,
 cfna    = , cfnaToVM    = 1, cfnaCss = , cfnaTimer = 0,
 cfnaInt = , cfnaIntToVM = 1, cfnaIntCss = ,
 cfur    = , cfurToVM    = 0, cfurCss    = ,
 cfurInt = , cfurIntToVM = 0, cfurIntCss = ,
 cfap    = , cfapToVM    = 0, cfapCss = , cfapTimer = 0,
 pff     = , pffToVM     = 0, pffCss     = ,
 pffInt  = , pffIntToVM  = 0, pffIntCss  = ,
 pffCfna = 0, pffCfb      = 0,
 fullyQualifiedDirectoryNumberMask = ,
 patternUsage = 2,
 pffCfnaEnabled = 0, pffCfbEnabled=0
}
|1,100,150,1.160^10.1.5.1^*
18:04:13.624 |Forwarding - awaitForwardInitiation_SsInterceptInd - New CFAP destination - :,
duration= 0, callKey= 0x1D, internal-call=false, hunt-pilot= false|1,100,150,1.160^10.1.5.1^*
18:04:13.624 |Forwarding - sendExtendCallReq - callKey= 0x1D|1,100,150,1.160^10.1.5.1^*
18:04:13.624 |Forwarding - registerRelRejInterceptRequest - callKey=
0x1D|1,100,150,1.160^10.1.5.1^*
18:04:13.624 |Forwarding - unregisterRelRejInterceptRequest - callKey=
0x1D|1,100,150,1.160^10.1.5.1^*
18:04:13.624 |Forwarding - registerRelRejInterceptRequest - Registered RelRej Intercept-
party= 27173899, callKey=  0x1D|1,100,150,1.160^10.1.5.1^*
18:04:13.624 |Forwarding - sendExtendCallReq - Extended Call to party= 27173899,
callKey= 0x1D |1,100,150,1.160^10.1.5.1^*
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18:04:13.624 |add an entry into release intercept queue|1,100,150,1.160^10.1.5.1^*
18:04:13.624 |release intercept entry, ssType = 16777222, ssKey = 29, handler =
27173901|1,100,150,1.160^10.1.5.1^*
18:04:13.624 |isItSafeToExtendCall dchanPid = (1 100 154 9)|1,100,150,1.160^10.1.5.1^*
18:04:13.624 |findUnfiredInterceptOnPattern numOfPatterns = 1|1,100,150,1.160^10.1.5.1^*
18:04:13.625 |MGCPHandler send msg SUCCESSFULLY to: 10.1.5.1
CRCX 317 S0/SU0/DS1-0/1@HQ MGCP 0.1
C: D00000000019ea40b000000F580000098
X: 1
L: p:20, a:PCMU, s:off, t:00
M: recvonly
R: D/[0-9ABCD*#]
Q: process,loop
|1,100,150,1.160^10.1.5.1^*
18:04:13.625 |Cdcc::sendCcSetupReq: precLvl=5|1,100,150,1.160^10.1.5.1^*
18:04:13.625 |ForwardManager - wait_SsDataInd - Key= 0x0, party= 27173899,
BCC= 1|1,100,150,1.160^10.1.5.1^*
18:04:13.625 |ForwardManager - findCallBySsParty - Found entry for party= 27173899,
callkey= 0x1D |1,100,150,1.160^10.1.5.1^*
18:04:13.625 |ForwardManager - wait_SsDataInd (SETUP) - mPartyToActiveCallIndexMap Added
Entry for Destparty= 27173900, callkey= 0x1D|1,100,150,1.160^10.1.5.1^*
18:04:13.625 |LineControl(9) - 0 calls, 0 CiReq, busyTrigger=2,
maxCall=4|1,100,150,1.160^10.1.5.1^*
18:04:13.625 |LineControl(9) - Get call instance=1 for CI=27173900|1,100,150,1.160^10.1.5.1^*
18:04:13.625 |LineControl(9): restart0_CcSetupReq update State of cdpc (82) to
receive7|1,100,150,1.160^10.1.5.1^*
18:04:13.626 |Forwarding - awaitingCallResponse_SsDataInd - SETUP - Updating precLvl to
5|1,100,150,1.160^10.1.5.1^*
18:04:13.626 |LineCdpc(82): -dispatchToAllDevices-, sigName=CcSetupReq,
device=SEP0021A086BF06|1,100,150,1.160^10.1.5.1^*
18:04:13.626 |StationD - adding linestruct at index 1
|*^*^*
```

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18:04:13.626 |StationD:    (0000007) DEBUG whatToDo: line=1 calls=0 limit=4, busy=2.
GCI=(1, 5091), PL=(5,0).|1,100,150,1.160^10.1.5.1^*
18:04:13.626 |StationD:    (0000007) DEBUG  whatToDo: busy trigger not hit... send to open
appearance|1,100,150,1.160^10.1.5.1^*
18:04:13.626 |StationD:    (0000007) DEBUG- getLineRingSetting:
retVal=4.|1,100,150,1.160^10.1.5.1^*
18:04:13.626 |StationD:    (0000007) DEBUG- saveRinger for: ci=27173900, line=1, mode=3,
precedence=5,callPhase=5.|1,100,150,1.160^10.1.5.1^*
18:04:13.626 |StationD:    (0000007) DEBUG- saveRinger: ci=27173900, line=1, mode=3,
precedence=5, callPhase=5, modifier=0|1,100,150,1.160^10.1.5.1^*
18:04:13.626 |StationD:    (0000007) INFO  sendCallAcceptReq: Try to send
StationLineCallAccept to cdpc=78 .|1,100,150,1.160^10.1.5.1^*
18:04:13.626 |StationD:    (0000007) playRinger for: ci=27173900.|1,100,150,1.160^10.1.5.1^*
18:04:13.626 |StationD:    (0000007) DEBUG- getLineRingSetting:
retVal=4.|1,100,150,1.160^10.1.5.1^*
18:04:13.626 |StationD:    (0000007) DEBUG- getLineRingSetting:
retVal=4.|1,100,150,1.160^10.1.5.1^*
18:04:13.626 |StationD:    (0000007) DEBUG- getLineRingSetting:
retVal=4.|1,100,150,1.160^10.1.5.1^*
18:04:13.626 |RegionsServer::MatchCapabilities -- kbps=64, capACount=14, capBCount=12|*^*^*
18:04:13.626 |Locations_reserveBandwidth -- cdccPID=(1.194.96) Orig=0=Dest=0 no need to
reserve bw.|*^*^*
18:04:13.627 |StationD:    (0000007) DEBUG- star_DSetCallState(0) State of cdpc(78) is
0.|1,100,51,78.1^*^*
18:04:13.627 |StationD:    (0000007) DEBUG- star_DSetCallState(2) State of cdpc(78) is
0.|1,100,150,1.160^10.1.5.1^*
18:04:13.627 | LocalizeCgpnAndSendOutpulsedNumber: StationCdpc on device SEP0021A086BF06 ,
CSS = ,useDevicePoolCgpnCss =1 AlternateCgpn(global)=087071222
cgpn=087071222|1,100,150,1.160^10.1.5.1^*
18:04:13.627 |StationCdpc:    CcSetupReq - unicodeConnectedUnicodeDisplayName=''
asciiConnectedDisplayName=''|1,100,150,1.160^10.1.5.1^*
18:04:13.627 |StationCdpc:  CcSetupReq - unicodeCallingPartyName='' asciiCallingPartyName=''
callingParty='087071222' unicodeCalledPartyName='' asciiCalledPartyName=''
calledParty='2001' cgIP=IpAddr.type:0 ipv4Addr:0x0a010501(10.1.5.1)
|1,100,150,1.160^10.1.5.1^*
18:04:13.627 |StationD:    (0000007) DEBUG- star_DSetCallState(0) State of cdpc(78) is
2.|1,100,150,1.160^10.1.5.1^*
18:04:13.627 |StationD:    (0000007) CallState callState=4 lineInstance=1
callReference=27173900 privacy=0 precedenceLv=4 precedenceDm=0|1,100,150,1.160^10.1.5.1^*
18:04:13.628 |StationD:    (0000007) SelectSoftKeys instance=1 reference=27173900
softKeySetIndex=3 validKeyMask=ffffffff.|1,100,150,1.160^10.1.5.1^*
18:04:13.628 |StationD:    (0000007) DisplayPromptStatus timeOut=0 Status='┤087071222'
content='From 087071222' line=1 CI=27173900 ver=85720013.1^*
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18:04:13.628 |StationD:    (0000007) DisplayPriNotify timeOutValue=10 pri=5
notify='|087071222' content='From 087071222' ver=85720013.|1,100,150,1.160^10.1.5.1^*
18:04:13.628 |StationD:    (0000007) (1,100,9,45) CallInfo callingPartyName=''
callingParty=087071222 cgpnVoiceMailbox= alternateCallingParty= 087071222 calledPartyName=''
calledParty=2001 cdpnVoiceMailbox= originalCalledPartyName='' originalCalledParty=2001
originalCdpnVoiceMailbox= originalCdpnRedirectReason=0 lastRedirectingPartyName=''
lastRedirectingParty=2001 lastRedirectingVoiceMailbox= lastRedirectingReason=0
callType=1(InBound) lineInstance=1 callReference=27173900. version: 85720013|1,100,150,
1.160^10.1.5.1^*
18:04:13.628|StationD:(0000007)SetLamp mode=5,stim=9 stimInst=1.|1,100,150,1.160^10.1.5.1^*
18:04:13.628|StationD:(0000007)DEBUG- star_DSetCallPhase updateACall=27173900 from Phase=5
to callPhase=5.|1,100,150,1.160^10.1.5.1^*
18:04:13.628 |LineControl::sendSNFNotifyIndForPresenceWithAlerting
mPrecenceWithAlertingChangeNotifySubscribed=0,calllist#=1|1,100,150,1.160^10.1.5.1^*
18:04:13.629 |StationD:(0000007)DEBUG- star_DSetCallState(8) State of cdpc(78) is 0.|1,
100,150,1.160^10.1.5.1^*
18:04:13.629 |StationD:(0000007)SetRinger ringMode=3(OutsideRing).
|1,100,150,1.160^10.1.5.1^*
18:04:13.629 |LineCdpc(82)call_received7_CcRegisterPartyB - # device responsed = 1,
mPartyBSent = 0|1,100,150,1.160^10.1.5.1^*
18:04:13.629 |LineControl(9): star_DSetCallState(2), State of cdpc (82) is
2|1,100,150,1.160^10.1.5.1^*
18:04:13.629 |Cdcc - (0000096) - updateDchanCrp - secure capability on side 1 is (1,1)
|1,100,150,1.160^10.1.5.1^*
18:04:13.629 |processCCMFeatureData: operationIeIdd=0|1,100,150,1.160^10.1.5.1^*
18:04:13.630 |ForwardManager - wait_SsExtendCallRes - mPartyToActiveCallIndexMap -
Added Entry for Destparty= 27173900, callkey= 0x1D|1,100,150,1.160^10.1.5.1^*
18:04:13.630 |ForwardManager - findCallBySsParty - Found entry for party= 27173899,
callkey= 0x1D |1,100,150,1.160^10.1.5.1^*
18:04:13.630 |ForwardManager - wait_SsDataInd - Key= 0x0, party= 27173900,
BCC= 4|1,100,150,1.160^10.1.5.1^*
18:04:13.630 |ForwardManager - findCallBySsParty - Found entry for party= 27173900,
callkey= 0x1D |1,100,150,1.160^10.1.5.1^*
18:04:13.630 |Forwarding - awaitingCallResponse_SsExtendCallRes - DestParty= 27173900,
callKey= 0x1D|1,100,150,1.160^10.1.5.1^*
18:04:13.630 |Forwarding - awaitingCallResponse_SsDataInd, BASIC_CALL_ALERTING,
precLvl=5|1,100,150,1.160^10.1.5.1^*
18:04:13.630 |Forwarding - startCFNATimer (12000) for line entry 2001 - callKey=
0x1D|1,100,150,1.160^10.1.5.1^*
```

```
18:04:13.633 |MGCPHandler received msg from: 10.1.5.1
200 317 OK
I: B

v=0
c=IN IP4 10.1.111.1
m=audio 17528 RTP/AVP 0 100
a=rtpmap:100 X-NSE/8000
a=fmtp:100 192-194,200-202
a=X-sqn:0
a=X-cap: 1 audio RTP/AVP 100
a=X-cpar: a=rtpmap:100 X-NSE/8000
a=X-cpar: a=fmtp:100 192-194,200-202
a=X-cap: 2 image udptl t38
|1,100,149,1.7889^10.1.5.1^*
18:04:13.633 |MGCPHandler received RESP header w/ transId= 317|1,100,149,1.7889^10.1.5.1^*
18:04:13.633 |<MN::MGCPEndPoint><MV::S0/SU0/DS1-0/1@HQ>|1,100,149,1.7889^*^S0/SU0/DS1-0@HQ
18:04:13.633 |MGCPHandler received RESP header w/ transId= 317 FOUND a match for
CRCX|1,100,149,1.7889^10.1.5.1^S0/SU0/DS1-0@HQ
18:04:13.633 |MGCPHandler recv CRCX Ack with RTP PortNum:
17528|1,100,149,1.7889^10.1.5.1^S0/SU0/DS1-0@HQ
18:04:13.634 |***Protocol::GetMsgType() ToIsdn MsgPtr(0x0b9b93fc) Offset(0x18) MsgType.
Octet[0] = 0x02 |*^*^*
18:04:13.634 | |*^*^*
18:04:13.634 |Out Message -- PriCallProceedingMsg -- Protocol= PriEuroProtocol|*^*^*
18:04:13.634 |Ie - Q931ChannelIdIe IEData= 18 03 A9 83 81 |*^*^*
18:04:13.634 |MMan_Id= 0. (iep=  0 dsl= 8000 sapi=  0 ces=  0 IpAddr=105010a IpPort=2427)
|*^*^*
18:04:13.634 |IsdnMsgData2= 08 02 80 98 02 18 03 A9 83 81 |*^*^*
18:04:13.634 |MGCPBhHandler - Sending BhHdr: 0004 0000 0010 8000 0001 000a
|1,100,150,1.160^10.1.5.1^*
18:04:13.634 |***Protocol::GetMsgType() ToIsdn MsgPtr(0x0b9b93fc) Offset(0x18) MsgType.
Octet[0] = 0x01
```

```
|*^*^*
18:04:13.634 | |*^*^*
18:04:13.634 |Out Message -- PriAlertingMsg -- Protocol= PriEuroProtocol|*^*^*
18:04:13.634 |Ie - Q931ProgressIndIe IEData= 1E 02 80 88 |*^*^*
18:04:13.634 |MMan_Id= 0. (iep= 0 dsl= 8000 sapi= 0 ces= 0 IpAddr=105010a IpPort=2427)|*^*^*
18:04:13.634 |IsdnMsgData2= 08 02 80 98 01 1E 02 80 88 |*^*^*
18:04:13.634 |MGCPBhHandler - Sending BhHdr: 0004 0000 0010 8000 0001 0009
|1,100,150,1.160^10.1.5.1^*
18:04:13.634 |MGCPHandler send msg SUCCESSFULLY to: 10.1.5.1
RQNT 318 S0/SU0/DS1-0/1@HQ MGCP 0.1
X: 1
R: D/[0-9ABCD*#]
S: G/rt
Q: process,loop
|1,100,150,1.160^10.1.5.1^*
18:04:13.637 |MGCPHandler received msg from: 10.1.5.1
200 318 OK
|1,100,149,1.7890^10.1.5.1^*
18:04:13.637 |MGCPHandler received RESP header w/ transId= 318|1,100,149,1.7890^10.1.5.1^*
18:04:13.637 |<MN::MGCPEndPoint><MV::S0/SU0/DS1-0/1@HQ>|1,100,149,1.7890^*^S0/SU0/DS1-0@HQ
18:04:13.637 |MGCPHandler received RESP header w/ transId= 318 FOUND a match for
RQNT|1,100,149,1.7890^10.1.5.1^S0/SU0/DS1-0@HQ
18:04:13.637 |MGCPHandler recv RQNT Ack from 10.1.5.1|1,100,149,1.7890^10.1.5.1^S0/SU0/
DS1-0@HQ
18:04:15.655 |MGCPBhHandler 10.1.5.1 - TCP msg available from Device|1,100,150,
1.161^10.1.5.1^*
18:04:15.655 |MGCPBhHandler - Receiving BhHdr: 0004 0000 0011 8000 0001 0009
|1,100,150,1.161^10.1.5.1^*
18:04:15.655 | |*^*^*
18:04:15.655 |In  Message -- PriDisconnectMsg -- Protocol= PriEuroProtocol|*^*^*
18:04:15.655 |Ie - Q931CauseIe -- IEData= 08 02 82 90 |*^*^*
18:04:15.655 |MMan_Id= 0.(iep= 0 dsl= 8000 sapi= 0 ces= 0 IpAddr=105010a IpPort=2427)|*^*^*
```

```
18:04:15.655 |IsdnMsgData1= 08 02 00 98 45 08 02 82 90 |*^*^*
18:04:15.655 |SPROC analyzeMsgtransCause MessageTransCause.ms = 0,
MessageTransCause.ieid = 0, PriTsp.protocol = 9, MCStatus = 0|*^*^*
18:04:15.655 |MGCPpn9cuser - sendCcDisconnInd, Q931Cause.cv:16, CcDisconnInd.c.cv:16|1,100,
150,1.161^10.1.5.1^*
18:04:15.655 |Cdcc::isStaticTransactionApplicable |1,100,150,1.161^10.1.5.1^*
18:04:15.655 |processCCMFeatureData: operationIeIdd=0|1,100,150,1.161^10.1.5.1^*
18:04:15.656 |ForwardManager - wait_SsDataInd - Key= 0x0, party= 27173899, BCC= 6|1,100,150,
1.161^10.1.5.1^*
18:04:15.656 |ForwardManager - findCallBySsParty - Found entry for party= 27173899,
callkey= 0x1D |1,100,150,1.161^10.1.5.1^*
18:04:15.656 |ConnectionManager - wait_AuDisconnectRequest ERROR:NO ENTRY FOUND IN
TABLE,CI(27173899,27173900),dcType=1,IFCreated(0,0),PID(0-0,0
-0),IFHandling(0,0),MCNode(0,0)|1,100,150,1.161^10.1.5.1^*
18:04:15.656 |MatrixControl:updatePartyMediaCoordinatorNodeId:party1 videoCapable=0, party 2
videocapable=0|1,100,150,1.161^10.1.5.1^*
18:04:15.656 |Cdcc - (0000096) - resetMediaSecurity|1,100,150,1.161^10.1.5.1^*
18:04:15.656 |LineCdpc(82): -dispatchToAllDevices-, sigName=CcDisconnReq,
device=SEP0021A086BF06|1,100,150,1.161^10.1.5.1^*
18:04:15.657 |LineControl TEST DEBUGS: Number of entries in CallTable is =  1
11,100,150,1.161^10.1.5.1^*
18:04:15.657 |StationD:    (0000007) DEBUG- star_DSetCallPhase updateACall=27173900 from
Phase=5 to callPhase=3.|1,100,150,1.161^10.1.5.1^*
18:04:15.657 |StationD:    (0000007) DEBUG- star_DSetCallState(15) State of cdpc(78) is
8.|1,100,150,1.161^10.1.5.1^*
18:04:15.657 |StationD:    (0000007) SetLamp mode=1, stim=9 stimInst=1.|1,100,150,
1.161^10.1.5.1^*
18:04:15.657 |StationD:    (0000007) ClearPromptStatus lineInstance=1
callReference=27173900.|1,100,150,1.161^10.1.5.1^*
18:04:15.657 |StationD:    (0000007) CallState callState=2 lineInstance=1
callReference=27173900 privacy=0 precedenceLv=4 precedenceDm=0|1,100,150,1.161^10.1.5.1^*
18:04:15.657 |StationD:    (0000007) SelectSoftKeys instance=0 reference=0 softKeySetIndex=0
validKeyMask=ffffffff.|1,100,150,1.161^10.1.5.1^*
```

```
18:04:15.657 |StationD:    (0000007) CallState callState=2 lineInstance=1
callReference=27173900 privacy=0 precedenceLv=4 precedenceDm=0|1,100,150,1.161^10.1.5.1^*
18:04:15.657 |StationD:    (0000007) SelectSoftKe instance=0 reference=0 softKeySetIndex=0
validKeyMask=ffffffff.|1,100,150,1.161^10.1.5.1^*
18:04:15.657 |StationD:    (0000007) DefineTimeDate timeDateInfo=3/24/2010 1:4:15,3
systemTime=1269392655.|1,100,150,1.161^10.1.5.1^*
18:04:15.657 |StationD:    (0000007) restart0_DStopInd: No Linked StationCdpc.
|1,100,150,1.161^10.1.5.1^*
18:04:15.657 |StationD:    (0000007) INFO  restart0_DStopInd: Enable NewCall on line=1
limit=4  listSize=0|1,100,150,1.161^10.1.5.1^*
18:04:15.657 |StationD:    (0000007) restart0_DStopInd: DEBUG: StationCdpc(78) removed.
Calltable contains 0 calls.|1,100,150,1.161^10.1.5.1^*
18:04:15.658 |MGCPHandler send msg SUCCESSFULLY to: 10.1.5.1
DLCX 319 S0/SU0/DS1-0/1@HQ MGCP 0.1
C: D0000000019ea40b000000F580000098
I: B
X: 1
S:
|100,150,1.161^10.1.5.1^*
18:04:15.658 |LineCdpc(82)dispatchKeyReleaseReq - mDevicePid(0, 0, 0); mSelectedDPid(0,0, 0),
mOnBehalfOf(Device),
18:(0)|1,100,150,1.161^10.1.5.1^*
18:04:15.658 |StationD: (0000007) SetRinger ringMode=1(RingOff).|1,100,150,1.161^10.1.5.1^*
18:04:15.658 |deleteCi: Unable to find the device that owns the call with
CI=|1,100,150,1.161^10.1.5.1^*
18:04:15.658 |LineControl(9) - Release call instance=1 for
CI=27173900|1,100,150,1.161^10.1.5.1^*
18:04:15.658 |LineControl::sendSNFNotifyIndForPresenceWithAlerting
mPrecenceWithAlertingChangeNotifySubscribed=0, calllist#=0|1,100,150,1.161^10.1.5.1^*
18:04:15.658 |LineControl (9) - DStopInd - Line become idle|1,100,150,1.161^10.1.5.1^*
18:04:15.658 |LineControl(9) - 0 calls, 0 CiReq, busyTrigger=2,
maxCall=4|1,100,150,1.161^10.1.5.1^*
18:04:15.658 |processCCMFeatureData: operationIeIdd=0|1,100,150,1.161^10.1.5.1^*
18:04:15.658 |ForwardManager - wait_SsDataInd - Key= 0x0, party= 27173900,
BCC= 7|1,100,150,1.161^10.1.5.1^*
18:04:15.658 |ForwardManager - findCallBySsParty - Found entry for party= 27173900,
callkey= 0x1D
```

```
|1,100,150,1.161^10.1.5.1^*
18:04:15.658 |ForwardManager - wait_SsDataInd - BASIC_CALL_RELEASE -
mPartyToActiveCallIndexMap - Removed entry Destparty= 27173900, callkey= 0x1D
|1,100,150,1.161^10.1.5.1^*
18:04:15.658 |Forwarding - awaitingCallResponse_SsDataInd - BASIC_CALL_RELEASE -
Destination Release. party= 27173900, callKey= 0x1D|1,100,150,1.161^10.1.5.1^*
18:04:15.658 |Forwarding - stopCFNATimer - callKey= 0x1D|1,100,150,1.161^10.1.5.1^*
18:04:15.675 |MGCPHandler received msg from: 10.1.5.1
250 319 OK
P: PS=0, OS=0, PR=0, OR=0, PL=0, JI=0, LA=0
|1,100,149,1.7891^10.1.5.1^*
18:04:15.675 |MGCPHandler received RESP header w/ transId= 319|1,100,149,1.7891^10.1.5.1^*
18:04:15.675 |<MN::MGCPEndPoint><MV::S0/SU0/DS1-0/1@HQ>|1,100,149,1.7891^*^S0/SU0/DS1-0@HQ
18:04:15.675 |MGCPHandler received RESP header w/ transId= 319 FOUND a match for DLCX,
return_code: 250|1,100,149,1.7891^10.1.5.1^S0/SU0/DS1-0@HQ
18:04:15.675 |***Protocol::GetMsgType() ToIsdn MsgPtr(0x0b9b93fc) Offset(0x18)
MsgType.Octet[0] = 0x4d |*^*^*
18:04:15.675 | |*^*^*
18:04:15.675 |Out Message -- PriEuroReleaseMsg -- Protocol= PriEuroProtocol|*^*^*
18:04:15.675 |MMan_Id= 0. (iep=0 dsl=8000 sapi=0 ces=0 IpAddr=105010a IpPort=2427)|*^*^*
18:04:15.675 |IsdnMsgData2= 08 02 80 98 4D |*^*^*
18:04:15.675 |MGCPBhHandler - Sending BhHdr: 0004 0000 0010 8000 0001 0005
|1,100,150,1.161^10.1.5.1^*
18:04:15.683 |MGCPBhHandler 10.1.5.1 - TCP msg available from Device|1,
100,150,1.162^10.1.5.1^*
18:04:15.683 |MGCPBhHandler - Receiving BhHdr: 0004 0000 0011 8000 0001 0005
|1,100,150,1.162^10.1.5.1^*
18:04:15.683 | |*^*^*
18:04:15.683 |In  Message -- PriReleaseCompleteMsg -- Protocol= PriEuroProtocol|*^*^*
18:04:15.683 |MMan_Id= 0. (iep=0 dsl=8000 sapi=0 ces=0 IpAddr=105010a IpPort=2427)|*^*^*
18:04:15.683 |IsdnMsgData1= 08 02 00 98 5A |*^*^*
18:04:15.683 |SPROC analyzeMsgtransCause MessageTransCause.ms = 0, MessageTransCause.ieid =
0, PriTsp.protocol = 9,
```

```
MCStatus = 0|*^*^*
18:04:15.683 |Locations_releaseBandwidth -- cdccPID=(1.194.96) no entry.|*^*^*
18:04:15.683 |ForwardManager - wait_SsDataInd - Key= 0x0, party= 27173899,
BCC= 7|1,100,150,1.162^10.1.5.1^*
18:04:15.683 |ForwardManager - findCallBySsParty - Found entry for party= 27173899,
callkey= 0x1D |1,100,150,1.162^10.1.5.1^*
18:04:15.683 |ForwardManager - wait_SsDataInd mInterceptTable - ERROR - No entry found for
ForwardKey= 0xC1DFF4, callkey= 0x1D |1,100,150,1.162^10.1.5.1^*
18:04:15.683 |Forwarding - awaitingCallResponse_SsDataInd - BASIC_CALL_RELEASE - Stopping
Forwarding on origination Release . party= 27173899, callKey= 0x1D|1,100,150,1.162^10.1.5.1^*
18:04:15.684 |ForwardManager - wait_ForwardStopInd - Stop Forwarding - Pid=(1,177,29),
callkey= 0x1D|1,100,150,1.162^10.1.5.1^*
18:04:15.684 |ForwardManager - removeActiveCallTableEntry - mPartyToActiveCallIndexMap -
Removed entry Origparty= 27173899, callkey= 0x1D |1,100,150,1.162^10.1.5.1^*
18:04:15.684 |ForwardManager - removeActiveCallTableEntry - mForwardActiveCallTable -
Removed call entry for Origparty= 27173899, Destparty= 0, callkey= 0x1D
|1,100,150,1.162^10.1.5.1^*
18:04:15.684 |Forwarding - awaitingStopConfirmation_ForwardStopConf - callKey=
0x1D|1,100,150,1.162^10.1.5.1^*
18:04:15.684 |Forwarding - unregisterRelRejInterceptRequest - callKey=
0x1D|1,100,150,1.162^10.1.5.1^*
18:04:15.684 |Forwarding - unregisterRelRejInterceptRequest - Unregistered RelRej Intercept-
party= 27173899, callkey= 0x1D|1,100,150,1.162^10.1.5.1^*
18:04:15.685 |remove an entry from release intercept queue given
ssType|1,100,150,1.162^10.1.5.1^*
18:04:18.464 |Cnf Received: processnodeservice U 83eee3c8-f18a-418d-8b18-e9d7a9e0875b,
size(1197) enable(t/f) |0,0,0,0.0^*^*
18:04:18.488 |CiCcp table has 2 entries|1,100,150,1.159^10.1.5.1^*
18:04:18.507 |ProcessCnf N: processnodeservice U 83eee3c8-f18a-418d-8b18-e9d7a9e0875b,
size(1197) enable(t/f) |0,0,0,0.0^*^*
18:04:18.507 |doGroupReset: checking for group reset on table processnodeservice
|0,0,0,0.0^*^*
18:04:18.507 |DbChangeNotify::SendDbChangeProcessConfig|0,0,0,0.0^*^*
18:04:18.523 |finish cnf on table processnodeservice|0,0,0,0.0^*^*
18:04:20.549 |-->SDIControl::ReadDatabase |*^*^*
18:04:20.868 |<--SDIControl::ReadDatabase |*^*^*
18:04:20.868 |-->SDIControlBase::Init(3ed0ba0) |*^*^*
```

If the caller ID that is displayed on the IP phone is 087071 222 and the HQ_clng__pty_CSS contains the HQ_cing_pty_Pt partition, which exhibit shows the correct gateway digit manipulation"?

Exhibit A

Incoming Calling Party Settings

If the administrator sets the prefix to Default this indicates call processing will use prefix at the next level setting (DevicePool/Service Parameter). Otherwise, the value configured is used as the prefix unless the field is empty in which case there is no prefix assigned.

Clear Prefix Settings | Default Prefix Settings

Number Type	Prefix	Strip Digits	Calling Search Space	Use Device Pool CSS
National Number	+49	0	< None >	☐
International Number	+	2	HQ_clng_pty_CSS	☐
Unknown Number	Default	0	< None >	☐
Subscriber Number	+4989	0	< None >	☐

Exhibit B

Incoming Calling Party Settings

If the administrator sets the prefix to Default this indicates call processing will use prefix at the next level setting (DevicePool/Service Parameter). Otherwise, the value configured is used as the prefix unless the field is empty in which case there is no prefix assigned.

Clear Prefix Settings | Default Prefix Settings

Number Type	Prefix	Strip Digits	Calling Search Space	Use Device Pool CSS
National Number	+49	0	< None >	☐
International Number	+	0	HQ_clng_pty_CSS	☐
Unknown Number	Default	0	< None >	☐
Subscriber Number	+4989	0	< None >	☐

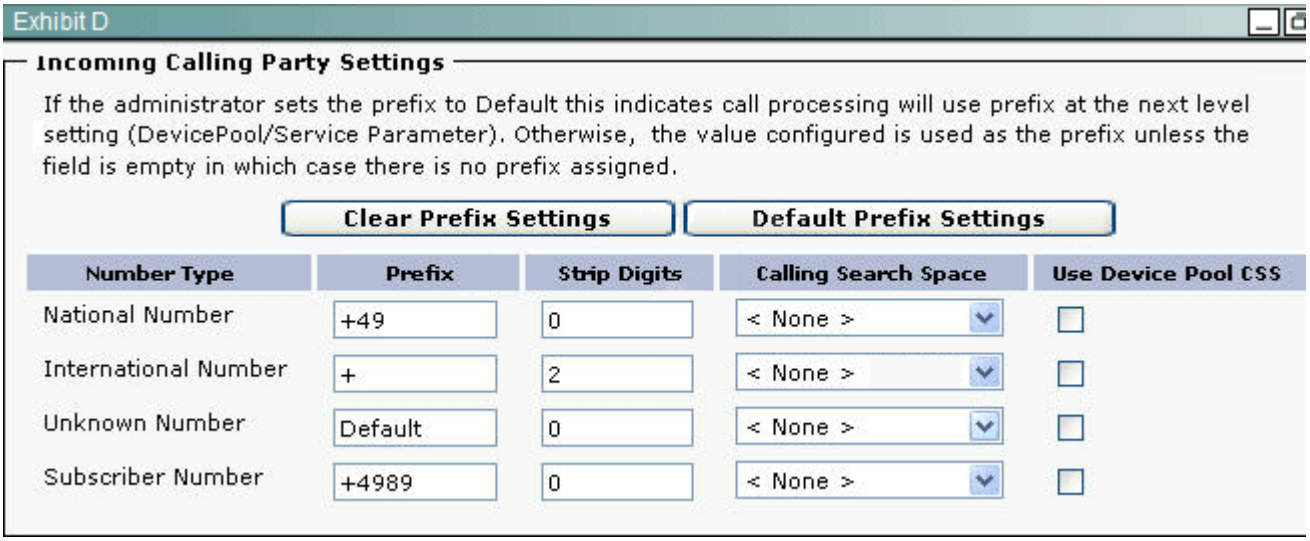
Exhibit C

Incoming Calling Party Settings

If the administrator sets the prefix to Default this indicates call processing will use prefix at the next level setting (DevicePool/Service Parameter). Otherwise, the value configured is used as the prefix unless the field is empty in which case there is no prefix assigned.

Clear Prefix Settings | Default Prefix Settings

Number Type	Prefix	Strip Digits	Calling Search Space	Use Device Pool CSS
National Number	Default	0	< None >	☐
International Number	Default	2	HQ_clng_pty_CSS	☐
Unknown Number	Default	0	< None >	☐
Subscriber Number	Default	0	< None >	☐



A. Exhibit A
B. Exhibit B
C. Exhibit C
D. Exhibit D
Answer: D
Explanation:
Actual incoming number is 14-087071 222 but next to this information in trace we can see two digits are stripped which is international code hence D is valid answer.

5.When a database replication issue is suspected, which three tools can be used to check the database replication status? (Choose three.)
A. Cisco Unified Communications Manager RTMT tool
B. Cisco Unified Communications Manager Serviceability interface
C. Cisco Unified Reporting
D. Cisco Unified Communications Manager CLI interface
E. Cisco IP Phone Device Stats from the Settings button
F. Cisco Unified OS Administration interface
Answer: A,C,D
Explanation:
Reference:
http://www.cisco.com/en/US/products/sw/voicesw/ps556/products_tech_note09186a00809643e8.shtml