

Avaya Solution & Interoperability Test Lab

Application Notes for Configuring Netcall QueueBuster with Avaya Communication Manager 5.0 using E1 Trunks - Issue 1.0

Abstract

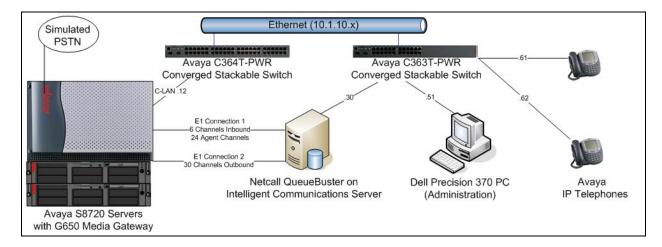
These Application Notes describe the configuration steps required for Netcall QueueBuster to successfully interoperate with Avaya Communication Manager.

The objective of the test was to evaluate interoperability of the products in a contact center, offering automated call-backs to inbound callers.

Information in these Application Notes has been obtained through DevConnect compliance testing and additional technical discussions. Testing was conducted via the DevConnect Program at the Avaya Solution and Interoperability Test Lab.

1 Introduction

These Application Notes describe the configuration steps required for the Netcall QueueBuster product to successfully interoperate with Avaya Communication Manager.



Netcall QueueBuster runs on the Netcall Intelligent Communications PlatformTM (ICP), which is a server supporting the range of Netcall call-back and productivity solutions.

The Netcall ICP running QueueBuster uses Intel Dialogic boards to connect to Avaya Communication Manager using E1 or T1 connections. One board is used for calls inbound from Avaya Communication Manager to QueueBuster and also for calls outbound from QueueBuster to Avaya Communication Manager agents. The other board is used solely for call-back calls to customers and can either route through Avaya Communication Manager or connect straight into the Public Switched Telephone Network (PSTN).

Integration is achieved using Integrated Services Digital Network (ISDN) messaging over the D-Channel. E1 trunk groups were used for the compliance testing and the E1 connection for callback calls to customers was routed through Avaya Communication Manager.

Netcall QueueBuster gives customers an alternative to queuing. When a caller is in a queue they can opt to use QueueBuster to call them back when an agent becomes available. The call will be routed into QueueBuster for the caller to record their name and choose whether to be called back on the number presented as ANI or enter a different number. QueueBuster then calls an Avaya Communication Manager VDN/vector and queues for an available agent. When an agent answers the call, QueueBuster announces the name of the person being called back, commences dialing the customer and connects the agent to the outbound trunk. If the call to the customer is unsuccessful, QueueBuster will announce the reason to the agent and give them the option to reschedule the call.

2 Equipment and Software Validated

The following equipment and software were used for the sample configuration provided:

Equipment	Software
Avaya S8720 Servers	Avaya Communication Manager 5.0
	R015.00.1.825.4
Avaya G650 Media Gateway:	
TN2464BP UDS1 Circuit Pack	HW05/FW019
TN2464CP UDS1 Circuit Pack	HW02/FW019
Avaya 4620SW IP Telephones (H.323)	2.8
Avaya 9620SW IP Telephones (H.323)	1.5
Netcall QueueBuster running on	3.0.00
Netcall Intelligent Communications Platform	3.0
	Windows 2000 5.00.2195 SP4
Intel Dialogic Board	6.0 Build 61

3 Configure Avaya Communication Manager

This section provides the procedures for configuring Avaya Communication Manager. The procedures include the following areas.

- Verify Avaya Communication Manager license.
- Administer DS-1 boards and trunk groups.
- Administer call routing.
- Administer VDNs and vectors.

The detailed administration of some contact center devices, such as ACD/Skill groups and logical agents are assumed to be in place and are not covered in these Application Notes. For administration of contact center devices, refer to the appropriate documentation in **Section 9**.

For the compliance testing, agents with physical station extensions of "10001, 10002, 10003" and logical agent identifiers of "15001, 15002, 15003" were used. All the agents were assigned two skills; hunt group 1 was used as the main skill for incoming calls, hunt group 401 was used as the skill for calls from QueueBuster.

3.1 Verify Avaya Communication Manager License

Use the "display system-parameters customer-options" command to verify that the **ISDN-PRI** customer option is set to "y" on **Page 4**.

```
change system-parameters customer-options
                                                             Page 4 of 11
                              OPTIONAL FEATURES
  Emergency Access to Attendant? v
                                                              IP Stations? y
         Enable 'dadmin' Login? y
         Enhanced Conferencing? y
                                                       ISDN Feature Plus? n
                                          ISDN Network Call Redirection? n
                Enhanced EC500? y
   Enterprise Survivable Server? n
                                                         ISDN-BRI Trunks? n
     Enterprise Wide Licensing? n
                                                                ISDN-PRI? v
                                             Local Survivable Processor? n
            ESS Administration? n
        Extended Cvg/Fwd Admin? y
                                                   Malicious Call Trace? y
                                                Media Encryption Over IP? y
    External Device Alarm Admin? n
 Five Port Networks Max Per MCC? n Mode Code for Centralized Voice Mail? n
              Flexible Billing? n
  Forced Entry of Account Codes? n
                                                 Multifrequency Signaling? y
                                      Multimedia Call Handling (Basic)? n
    Global Call Classification? y
          Hospitality (Basic)? y
                                     Multimedia Call Handling (Enhanced)? n
Hospitality (G3V3 Enhancements)? n
                                               Multimedia IP SIP Trunking? n
                     IP Trunks? y
         IP Attendant Consoles? y
       (NOTE: You must logoff & login to effect the permission changes.)
```

Verify that the **Lookahead Interflow** (**LAI**) and **Vectoring** (**Basic**) customer options are both set to "y" on **Page 6**. LAI is not required for QueueBuster but is recommended as it allows the Avaya Communication Manager vector to route the call to the next vector step when QueueBuster is busy or unavailable.

```
change system-parameters customer-options
                                                                                  Page 6 of 11
                                CALL CENTER OPTIONAL FEATURES
                                 Call Center Release: 5.0
                                         ACD? y
                                                                                  Reason Codes? n
         BCMS/VuStats Service Level? n

RCD: y

Reason codes: n

Service Level Maximizer? n

Service Observing (Basic)? y
  BSR Local Treatment for IP & ISDN? n Service Observing (Remote/By FAC)? y
                    Business Advocate? n
                                                     Service Observing (VDNs)? y
                         Call Work Codes? n
                                                                                      Timed ACW? n
        Call Work Codes? n

Timed ACW? n

DTMF Feedback Signals For VRU? n

Dynamic Advocate? n

Expert Agent Selection (EAS)? y

EAS-PHD? y

Vectoring (G3V4 Enhanced)? n

Vectoring (3.0 Enhanced)? n
       DTMF Feedback Signals For VRU? n
                       Forced ACD Calls? n Vectoring (ANI/II-Digits Routing)? n
Least Occupied Agent? n

Lookahead Interflow (LAI)? y

Multiple Call Handling (On Request)? n

Vectoring (G3V4 Advanced Routing)? n

Vectoring (CINFO)? n

Vectoring (Best Service Routing)? n
     Multiple Call Handling (Forced)? n
                                                                       Vectoring (Holidays)? n
   PASTE (Display PBX Data on Phone)? y
                                                                      Vectoring (Variables)? n
          (NOTE: You must logoff & login to effect the permission changes.)
```

If any of the abovementioned customer options are not set, contact the Avaya sales team or business partner for a new license.

3.2 Administer DS-1 Boards and Trunk Groups

Two DS-1 boards are used.

- The first DS-1 is used for Avaya Communication Manager to route incoming calls into QueueBuster and for QueueBuster to route calls to Avaya Communication Manager agents. For the purposes of these Application Notes, this DS-1 shall be referred to as the internal DS-1.
- The second DS-1 is used for QueueBuster to route outgoing calls to Avaya Communication Manager for onward routing to customers. For the purposes of these Application Notes, this DS-1 shall be referred to as the external DS-1.

Both DS-1s are configured in the same way. Use the "add ds1 x" command, where "x" is the slot number where the DS-1 board is inserted. Configure the fields as follows.

• Name: Enter a descriptive name.

Bit Rate: "2.048".Line Coding: "hdb3".

• **Signaling Mode:** "isdn-pri".

Connect: "pbx".Interface: "network".Country Protocol: "etsi".

• Interface Companding: "alaw".

```
add ds1 01a05
                                                          Page 1 of 1
                             DS1 CIRCUIT PACK
           Location: 01A05
                                                 Name: Netcall
           Bit Rate: 2.048
                                          Line Coding: hdb3
     Signaling Mode: isdn-pri
          Connect: pbx
                                    Interface: netwo
                                            Interface: network
  TN-C7 Long Timers? n
Interworking Message: PROGress
Interface Companding: alaw
                                                  CRC? y
         Idle Code: 11111111
                          DCP/Analog Bearer Capability: 3.1kHz
                                       T303 Timer(sec): 4
                                      Disable Restarts? n
     Slip Detection? n
                                    Near-end CSU Type: other
```

Three trunk groups are used.

- The first trunk group routes calls from Avaya Communication Manager into QueueBuster and consists of the first 6 ports of the internal DS-1. For the purposes of these Application Notes, this trunk group will be referred to as the inbound trunk group.
- The second trunk group routes calls from QueueBuster to Avaya Communication Manager agents and consists of the last 24 ports of the internal DS-1. For the purposes of these Application Notes, this trunk group will be referred to as the agent trunk group.
- The third trunk group routes calls from QueueBuster to Avaya Communication Manager for onward routing to customer numbers and consists of all 30 ports of the external DS-1. For the purposes of these Application Notes, this trunk group will be referred to as the outbound trunk group.

The number of ports in each trunk group may vary; the values used in the compliance testing are consistent with a large proportion of the installed base.

All three trunk groups are configured in the same way. Use the "add trunk-group x" command, where "x" is an available trunk group number. Configure the fields on **Page 1** as follows.

- Group Type: "isdn".
- **Group Name:** Enter a descriptive name.
- TAC: Enter a valid trunk access code.

```
add trunk-group 16

TRUNK GROUP

Group Number: 16

Group Type: isdn

CDR Reports: y

Group Name: Netcall Inbound

COR: 1

Direction: two-way

Outgoing Display? n

Dial Access? y

Busy Threshold: 255

Queue Length: 0

Service Type: public-ntwrk

Far End Test Line No:

TestCall BCC: 4
```

Configure the fields on **Page 2** as follows.

- **Supplementary Service Protocol:** Enter "c" to use the ETSI protocol.
- **Disconnect Supervision:** Enter "y" in both **In** and **Out** fields.

```
add trunk-group 16
Group Type: isdn

TRUNK PARAMETERS
Codeset to Send Display: 6 Codeset to Send National IEs: 6
Max Message Size to Send: 260 Charge Advice: none
Supplementary Service Protocol: c Digit Handling (in/out): enbloc/enbloc

Trunk Hunt: ascend
Digital Loss Group: 13
Incoming Calling Number - Delete: Insert: Format:
Bit Rate: 1200 Synchronization: async Duplex: full
Disconnect Supervision - In? y Out? y
Answer Supervision Timeout: 0
Administer Timers? n
```

Two signaling groups are used (one for each DS-1 board). Both are configured in the same way. Use the "add signaling-group x" command, where "x" is an available signaling group number. Configure the fields on **Page 1** as follows.

- Group Type: Enter "isdn-pri".
- **Primary D-Channel:** Enter "x16", where "x" is the slot number of the DS-1 board.
- **Trunk Group for Channel Selection:** Enter one of the trunk groups that will be configured on the DS-1 this signaling group serves.
- Supplementary Service Protocol: Enter "c".

The final step is to assign the DS-1 ports to the trunk groups. Use the "change trunk-group x" command, where "x" is the number of the trunk group to be configured. On **Page 5** assign ports as follows:

- **Inbound Trunk Group:** Assign ports 1 6 of the internal DS-1 to ports 1-6 on the inbound trunk group form. Enter the signaling group of the internal DS-1 in the **Sig Grp** field for each trunk.
- **Agent Trunk Group:** Assign ports 7 31 (omitting 16) of the internal DS-1 to ports 1-24 on the agent trunk group form. Enter the signaling group of the internal DS-1 in the **Sig Grp** field for each trunk.
- Outbound Trunk Group: Assign ports 1 31 (omitting 16) of the external DS-1 to ports 1-30 on the outbound trunk group form. Enter the signaling group of the external DS-1 in the Sig Grp field for each trunk.

add trunk-group 16	Page 5 of 21
	TRUNK GROUP
	Administered Members (min/max): 1/6
GROUP MEMBER ASSIGNMENTS	Total Administered Members: 6
Port Code Sfx Name	Night Sig Grp
1: 01A0501 TN2464 B	16
2: 01A0502 TN2464 B	16
3: 01A0503 TN2464 B	16
4: 01A0504 TN2464 B	16
5: 01A0505 TN2464 B	16
6: 01A0506 TN2464 B	16

The trunk groups used for the compliance testing are summarized in the following table.

Type	Group No.	DS-1 Board	Channels	Signaling Group
Inbound	16	Internal	1-6	16
Agent	17	Internal	7-15, 17-31	16
Outbound	18	External	1-15, 17-31	18

3.3 Administer Call Routing

During the compliance testing, Automatic Alternate Routing (AAR) was used to route calls from the Avaya Communication Manager vector over the QueueBuster inbound trunk. To achieve this, firstly use the "change uniform dial-plan 0" command to add an entry as follows.

- **Matching Pattern:** Enter the complete string used to route to QueueBuster in the inbound vector in **Section 3.4**.
- Len: Enter the total number of digits used to dial QueueBuster.
- Net: "aar"

change uniform	-dialplan 0		Page 1 of 2	
	UN	IFORM DIAL PLAN		
				Percent Full: 0
			_	
Matching		Insert	Node	
Pattern	Len Del	Digits No	t Conv Num	
2	5 0	aa	r n	
3	5 0	aa	r n	
5	5 0	aa	r n	
6	5 0	aa	r n	
880000	6 0	a	r n	

Next, use the "change aar analysis 0" command to add an entry as follows.

- **Dialed String:** Enter the complete string used to dial QueueBuster.
- **Total:** Enter the total number of digits used to dial QueueBuster in both **Min** and **Max** fields.
- Route Pattern: Enter an available route-pattern number.
- Call Type: "aar"

change aar analysis 0						Page 1 of 2
	AAR DIGIT ANALYSIS TABLE				LΕ	
						Percent Full: 0
Dialed	Tot	al	Route	Call	Node	ANI
String	Min		Pattern	Type	Num	Regd
2	5	5	2	aar	21 0	n
3	5	5	3	aar		n
4	5	5	4	aar		n
5	5	5	5	aar		n
50099	5	5	1	lev0		n
50100	5	5	1	lev0		n
600	5	5	600	aar		n
601	5	5	601	aar		n
7	5	5	3	aar		n
82	6	6	82	aar		n
83	6	6	83	aar		n
86	6	6	86	aar		n
880000	6	6	88	aar		n

Next, use the "change route-pattern x" command, where "x" is the route pattern entered in the previous step. Configure the fields on **Page 1** as follows.

- Pattern Name: Enter any descriptive name.
- **Grp No**: Enter the number of the inbound trunk-group.
- FRL: "0".

```
change route-pattern 88
                                                                 1 of
                                                           Page
                 Pattern Number: 88 Pattern Name: QB Inbound
                          SCCAN? n
                                     Secure SIP? n
   Grp FRL NPA Pfx Hop Toll No. Inserted
                                                                 DCS/ IXC
   No Mrk Lmt List Del Digits
                                                                 QSIG
                                                                 Intw
                          Dats
1: 16 0
                                                                     user
                                                                  n
2:
                                                                  n user
3:
                                                                  n user
4:
                                                                  n
5:
                                                                  n user
 6:
                                                                  n user
    BCC VALUE TSC CA-TSC
                           ITC BCIE Service/Feature PARM No. Numbering LAR
   0 1 2 3 4 W Request
                                                      Dgts Format
                                                    Subaddress
1: y y y y y n n
                           rest
                                                                     none
2: yyyyyn n
                           rest
                                                                     none
3: y y y y y n n
4: y y y y y n n
                           rest
                                                                     none
5: y y y y y n n
                           rest
                                                                     none
6: y y y y y n n
                                                                     none
                           rest
```

QueueBuster needs to be able to dial out via Avaya Communication Manager using the Automatic Route Selection (ARS) feature access code. Use the "change feature-access-codes" command, enter a value in the **Automatic Route Selection (ARS)** – **Access Code 1** field on **Page 1**. Note that this value may vary. For the compliance testing "9" was used for the ARS feature access code.

```
change feature-access-codes
                                                               Page
                                                                     1 of
                              FEATURE ACCESS CODE (FAC)
        Abbreviated Dialing List1 Access Code: *01
        Abbreviated Dialing List2 Access Code: *02
        Abbreviated Dialing List3 Access Code: *03
Abbreviated Dial - Prgm Group List Access Code: *04
                     Announcement Access Code: *05
                     Answer Back Access Code: *06
                        Attendant Access Code:
     Auto Alternate Routing (AAR) Access Code: 888
   Auto Route Selection (ARS) - Access Code 1: 9
                                                    Access Code 2:
               Automatic Callback Activation: *10
                                                     Deactivation: #10
                                        All: *12
Call Forwarding Activation Busy/DA: *11
                                                    Deactivation: #12
                        Call Park Access Code: *13
                      Call Pickup Access Code: *14
CAS Remote Hold/Answer Hold-Unhold Access Code: *15
                CDR Account Code Access Code: *16
                       Change COR Access Code:
                  Change Coverage Access Code: *18
                  Contact Closure Open Code: *19
                                                        Close Code: #19
```

3.4 Administer VDNs and Vectors

Two VDN/vector combinations are used.

- The first VDN/vector combination queues to an agent skill and gives the caller an option to be routed to QueueBuster. For the purposes of these Application Notes, this VDN/vector combination will be referred to as the inbound VDN/vector.
- The second VDN/vector combination receives calls from QueueBuster and queues them for an available agent. For the purposes of these Application Notes, this VDN/vector combination will be referred to as the agent VDN/vector.

The inbound vector requires an **announcement** step as this sends a D-Channel "connected" event, which is required by QueueBuster. The vector queues the call to a skill and then uses a **collect** step which asks the caller to dial 1 for QueueBuster. A **route-to** step is used to route the calls into QueueBuster (if the caller had dialed 1). There follows an example inbound vector which may be modified for different call treatments.

```
Change vector 400

CALL VECTOR

Number: 400

Name: ACM>QB

Meet-me Conf? n Lock? n

Basic? y EAS? y G3V4 Enhanced? n ANI/II-Digits? n ASAI Routing? y

Prompting? n LAI? y G3V4 Adv Route? n CINFO? n BSR? n Holidays? n

Variables? n 3.0 Enhanced? n

01 wait-time 2 secs hearing ringback

02 announcement 18010

03 queue-to skill 1 pri m

04 collect 1 digits after announcement 18011

05 route-to number 880000 with cov n if digit = 1

06 announcement 18012

07 stop
```

The agent vector requires an **announcement** step as this sends a D-Channel "connected" event, which is required by QueueBuster. Use a **queue-to** step to route the calls initiated by QueueBuster to agents. There follows an example agent vector which may be modified for different call treatments.

```
change vector 401

CALL VECTOR

Number: 401

Name: QB Agent

Meet-me Conf? n

Basic? y

EAS? y

G3V4 Enhanced? n

ANI/II-Digits? n

Variables? n

3.0 Enhanced? n

O1 wait-time

2 secs hearing ringback

02 announcement

18010

03 queue-to

Skill 401 pri m

04 stop
```

Both VDNs are configured in the same way. Use the "add vdn x" command, where "x" is an available VDN number. Configure the fields on **Page 1** as follows.

- Name: Enter a descriptive name.
- **Vector Number:** Enter the number of the vector to be associated with this VDN.

```
add vdn 17400

VECTOR DIRECTORY NUMBER

Extension: 17400
Name*: ACM-QB
Vector Number: 400

Meet-me Conferencing? n
Allow VDN Override? n
COR: 1
TN*: 1
Measured: none

1st Skill*:
2nd Skill*:
3rd Skill*:
3rd Skill*:
```

The following table summarizes the VDNs and vectors used in the compliance testing.

Туре	VDN	Vector	Skill
Inbound	17400	400	1
Agent	17401	401	401

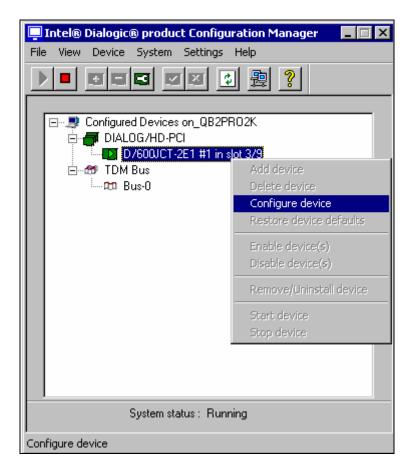
4 Configure QueueBuster

This section provides the procedures for configuring Netcall QueueBuster. The procedures include the following areas:

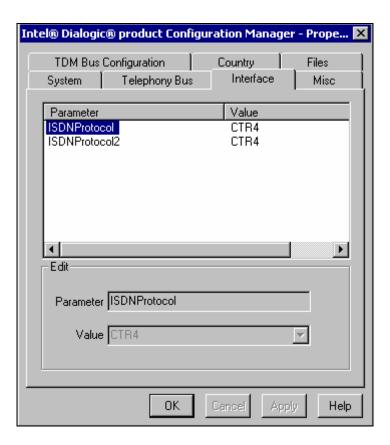
- Administer the Dialogic board
- Administer QueueBuster

4.1 Administer the Dialogic Board

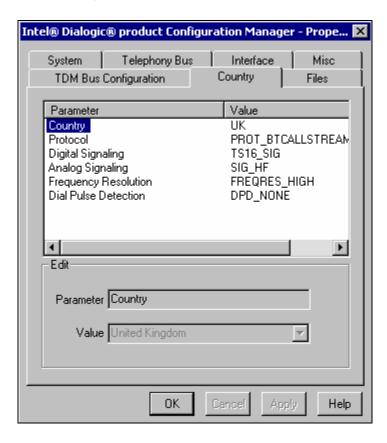
On the ICP server running QueueBuster, open the Dialogic Configuration Manager (DCM) located at the file path "Program Files\Dialogic\BIN\NCM.exe" on the drive where the application was installed. Right-click on the required board, select **Configure device** from the drop-down menu.



In the **Properties** dialogue box, click on the **Interface** tab and set the protocol for each interface to "CTR4".



Next, click on the **Country** tab and ensure that the **Country** parameter is set to the country where the application is installed, then click **OK**.

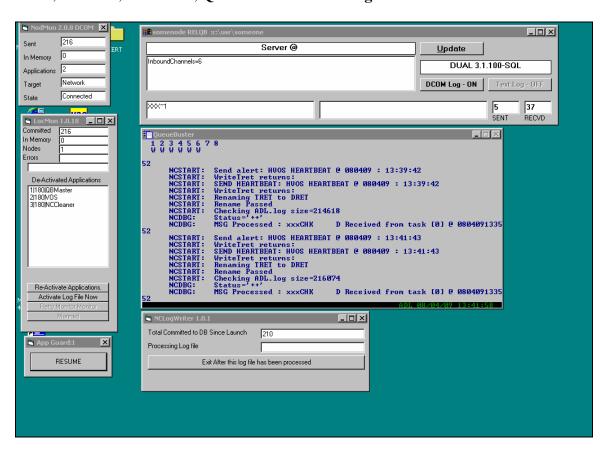


At this point, the Dialogic card is configured. If any changes are made to the card's configuration, the card should be restarted using the **stop** and **start** buttons on the left side of the DCM taskbar.

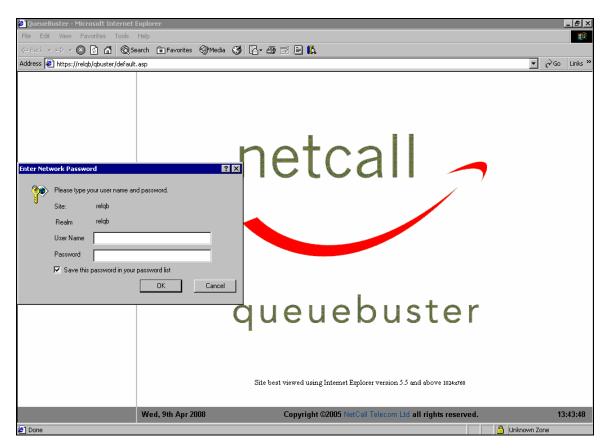


4.2 Administer QueueBuster

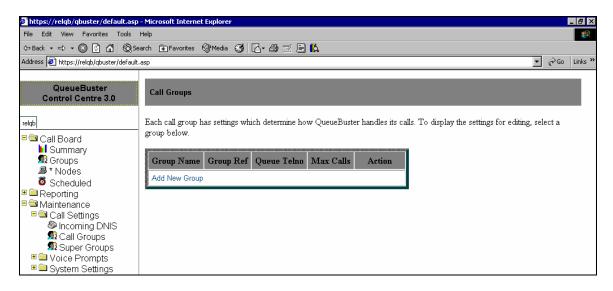
QueueBuster will start automatically on booting the ICP server. If QueueBuster needs to be started manually, open the Windows **Start** menu and select "Programs>Startup>Executiv". Once started the following components of QueueBuster should appear on the desktop: **AppGuard**, **NodMon**, **LocMon**, **somenode**, **QueueBuster** and **NCLogWriter**.



To start administering QueueBuster, open a browser window and enter the following into the address bar: "http://hostname/qbuster/default.asp" where "hostname" is the hostname of the ICP server (this may vary). The **Enter Network Password** dialog box will appear. Log in using an appropriate user name and password.



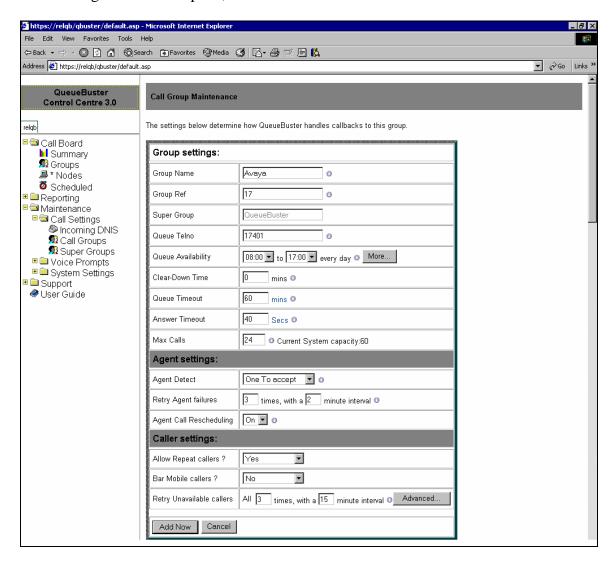
The QueueBuster Control Centre main menu now loads. Next, select Maintenance>Call Settings>Call Groups to bring up the Call Groups page. Select Add New Group.



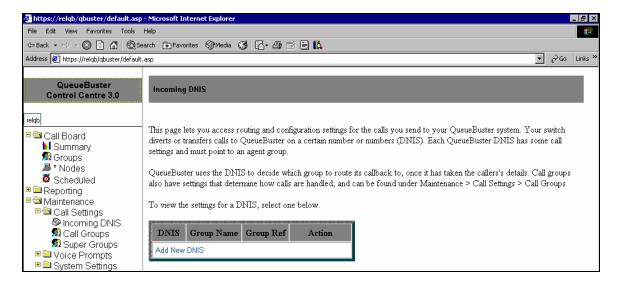
This brings up the **Call Group Maintenance** page. Configure the following fields and leave the rest at their default values.

- **Group Name:** Enter a descriptive name for the group.
- Queue Telno: Enter the agent VDN number configured in Section 3.4
- **Allow Repeat Callers:** "Yes" was selected for the compliance testing to allow the same ANI to call into QueueBuster more than once.

Once the configuration is complete, click on the **Add Now** button at the bottom of the form.



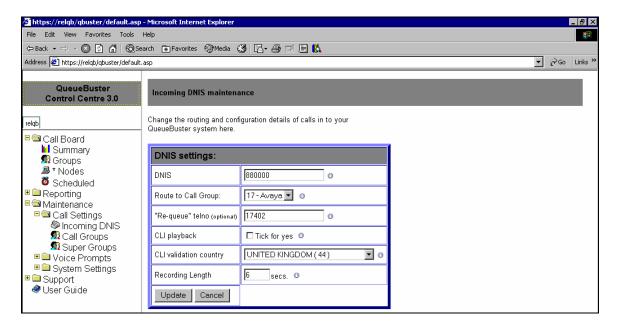
Next, create the incoming DNIS and add the call group to it. Select **Maintenance>Call Settings>Incoming DNIS** from the menu. This brings up the **Incoming DNIS** page.



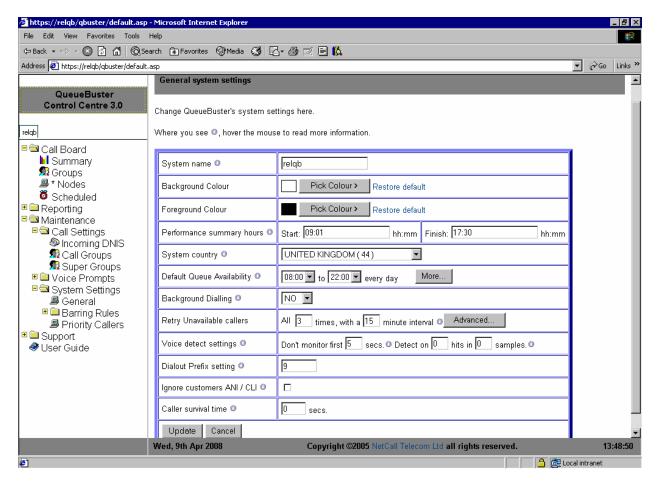
Select **Add New DNIS**. This brings up the **Incoming DNIS maintenance** page. Configure the following fields and leave the rest at their default values.

- **DNIS:** Enter the number from the route-to step of the incoming VDN (see **Section 3.4**).
- **Route to Call Group:** Ensure this is set to the call group configured on the previous page.
- **CLI Validation Country:** Ensure this is set to the country where the system is installed.

Once completed, click on the **Update** button at the bottom of the form.



Next, select Maintenance>System Settings>General to open up the General system settings page. On this page ensure that the System Country field is set to the country where the system is installed and that the Dialout Prefix setting field is set to match the ARS feature access code in Avaya Communication Manager, configured in Section 3.3. Leave the remaining fields at their default values. Once completed, click on the Update button at the bottom of the form.



5 Interoperability Compliance Testing

The interoperability compliance test included both feature and serviceability testing.

The feature testing focused on verifying Netcall QueueBuster's ability to request and respond to Avaya Communication Manager features including.

- Inbound calls into QueueBuster.
- Call-back calls made from QueueBuster using the original ANI and using different numbers entered by the caller.
- Using the agent telephone to hold/transfer/conference whilst on a call initiated by QueueBuster.

The serviceability testing focused on verifying Netcall QueueBuster's ability to recover from an outage condition, such as disconnecting the E1 link or loss of power.

5.1 General Test Approach

All feature and serviceability test cases were performed manually. The verification included checking call states at the telephone sets, and capturing ISDN message traces.

5.2 Test Results

All feature and serviceability test cases passed successfully.

6 Verification Steps

This section provides the tests that can be performed to verify proper configuration of Avaya Communication Manager and Netcall QueueBuster.

6.1 Verify Avaya Communication Manager

Use the "status trunk x" command, where "x" is one of the trunk groups used by QueueBuster, verify that the status of each trunk in the group is "in service/idle".

```
status trunk 16
                                                                   Page
                           TRUNK GROUP STATUS
Member Port
               Service State
                                 Mtce Connected Ports
                                  Busy
0016/001 01A0501 in-service/idle
                                  no
0016/002 01A0502 in-service/idle
0016/003 01A0503 in-service/idle
                                  no
0016/004 01A0504 in-service/idle
0016/005 01A0505 in-service/idle
                                   no
0016/006 01A0506 in-service/idle
```

6.2 Verify Netcall QueueBuster

Open the file "vosnt\exe\ADL.log" on the drive where QueueBuster is installed, and verify that the E1 links are up by searching for the most recent **NCDBG** line with a status of "++". Each "+" represents an E1 link that is in service. An out of service E1 link would be represented by a "_"

```
虜 adl.log - Notepad
                                                                                                                                                                                          File Edit Format View Help
NCDBG:
                                                                                MSG Processed : XXXCHK D Received from task [0] @ 080409133552 
: Send alert: HVOS HEARTBEAT @ 080409 : 13:47:46
                                                                  NCSTART:
NCSTART:
                                                                                    WriteTret returns:
                                                                                    SEND HEARTBEAT: HVOS HEARTBEAT @ 080409 : 13:47:46
                                                                  NCSTART: WriteTret returns:
NCSTART: Renaming TRET to DRET
NCSTART: Rename Passed
NCSTART: Checking ADL.log size=220442
DBG: Status='++'
                                                               NCDBG:
NCDBG:
                                                                  LDBG: Status= ++
DBG: MSG Processed : xxxCHK D Received from task [0] @ 080409133552
NCSTART: Send alert: HVOS HEARTBEAT @ 080409 : 13:49:47
NCSTART: WriteTret returns:
NCSTART: SEND HEARTBEAT: HVOS HEARTBEAT @ 080409 : 13:49:47
                                                                                   WriteTret returns:
Renaming TRET to DRET
Rename Passed
                                                                  NCSTART:
                                                                   NCSTART:
080409 134947.32 ncstart:8987
080409 134947.32 ncstart:8693
                                                                   NCSTART:
                                                                   NCSTART:
                                                                                Checking ADL.log size=221898
Status='++'
 080409 134947.32 NCDBG:cd34 [1]
080409 134947.32 NCDBG:79c8[1]
                                                                                MSG Processed : XXXCHK
                                                                                                                              D Received from task [0] @ 080409133552
```

7 Support

For technical support on QueueBuster, contact the Netcall Helpdesk on +44 207 570 8714. Technical support emails can be sent to customer.services@netcall.com.

8 Conclusion

These Application Notes describe the configuration steps required for successful interoperability of Netcall QueueBuster with Avaya Communication Manager using E1 trunks. All feature and serviceability test cases were completed successfully.

9 Additional References

This section references the product documentation that is relevant to these Application Notes.

- [1] Administrator Guide for Avaya Communication Manager, Doc ID: 03-300509, Issue 4, January 2008, available at: http://support.avaya.com.
- [2] The *QueueBuster User Guide* can be downloaded from the QueueBuster Customer Area (password required), available at: http://www.hyperphonelink.com/NetCallWebInterface/Netcall/Engine/Load.aspx.

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