display system-parameters customer-options:

- Maximum Administered H.323 Trunks

- ARS? y

- ARS/AAR Partitioning? y

- ISDN-PRI? y

- IP Trunks? y

- Uniform Dialing Plan? y

- Private Networking? y

- Processor Ethernet? y

- Basic Call Setup? y

- Basic Supplementary Services? y

- **Supplementary Services with Rerouting? y**

- **Transfer into QSIG Voice Mail? y**

- **Value-Added (VALU)? y**

change feature-access-codes
- **Auto Alternate Routing (AAR) Access Code:**

- **Auto Route Selection (ARS) - Access Code 1:**

change system-parameters features
- **Trunk-to-Trunk Transfer: all**

- **QSIG/ETSI TSC Extension:**

- **MWI - Number of Digits Per Voice Mail Subscriber:**

- **Unknown Numbers Considered Internal for AUDIX? y**

- **Maximum Length: 4**

- **QSIG Path Replacement Extension:**

- **Path Replace While in Queue/Vectoring? y**

change system-parameters coverage

- **Coverage - Caller Response Interval (seconds): 1**

- **Threshold for Blocking Off-Net Redirection of Incomming Trunk Calls: n**

- **Keep Held SBA at Coverage Point? n**

- **Maintain SBA At Principal? n**

add signaling-group

```
add signaling-group 99                                          Page    1 of    X
                                 SIGNALING GROUP
Group Number: 99                      Group Type: h.323
                                 Remote Office? n         Max number of NCA TSC: 10
                                          SBS? n           Max number of CA TSC: 10
         IP Video? n                               Trunk Group for NCA TSC:
     Trunk Group for Channel Selection:
     TSC Supplementary Service Protocol: b
                      T303 Timer(sec): 10


      Near-end Node Name: procr            Far-end Node Name: msgserver
     Near-end Listen Port: 1720           Far-end Listen Port: 1720
                                        Far-end Network Region: 1
             LRQ Required? n           Calls Share IP Signaling Connection? y
             RRQ Required? n

                                              Bypass If IP Threshold Exceeded? n
                                                    H.235 Annex H Required? n
                DTMF over IP: out-of-band    Direct IP-IP Audio Connections? n
                                                     IP Audio Hairpinning? n
Link Loss Delay Timer (sec): 90              Interworking Message: PROGress
Enable Layer 3 Test? n                  DCP/Analog Bearer Capability: 3.1kHz
```

add trunk-group

```
add trunk-group 99                                             Page    1 of X

                              TRUNK GROUP

Group Number: 99                      Group Type: isdn         CDR Reports: y
   Group Name: msgserver                     COR: 1      TN: 1       TAC: 199
      Direction: two-way          Outgoing Display? n      Carrier Medium: H.323
   Dial Access? y                Busy Threshold: 255      Night Service:
Queue Length: 0
Service Type: tie                    Auth Code? n
                                              Member Assignment Method: auto
                                                         Signaling Group: 99
                                                       Number of Members: 6
```

```
add trunk-group 99                                             Page    2 of X

        Group Type: isdn

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


                                               Digital Loss Group: 18
Incoming Calling Number - Delete:    Insert:                   Format:  pub-unk

 Disconnect Supervision - In? y  Out? n
 Answer Supervision Timeout: 0
         Administer Timers? n
```

```
add trunk-group 99                                      Page    3 of X

TRUNK FEATURES

         ACA Assignment? n                Measured: none

                         Internal Alert? n        Maintenance Tests? y
                       Data Restriction? n    NCA-TSC Trunk Member: 1
                            Send Name: n      Send Calling Number: y
         Used for DCS? n          Hop Dgt? n    Send EMU Visitor CPN? n
   Suppress # Outpulsing? n    Format: public
                                         UUI IE Treatment: service-provider

                                         Replace Restricted Numbers? n
                                       Replace Unavailable Numbers? n
                                           Send Connected Number: y
                                        Hold/Unhold Notifications? y
        Send UUI IE? y          Modify Tandem Calling Number? n
         Send UCID? n
  Send Codeset 6/7 LAI IE? y
```

```
add trunk-group 99                                      Page    4 of X

                  QSIG TRUNK GROUP OPTIONS

   TSC Method for Auto Callback: drop-if-possible
          Diversion by Reroute? y
              Path Replacement? y
Path Replacement with Retention? n
        Path Replacement Method: better-route
                           SBS? n
 Display Forwarding Party Name? y
   Character Set for QSIG Name: eurofont
            QSIG Value-Added? y
```

display ars digit-conversion 1

```
display ars digit-conversion                         Page    1 of X
                 ARS DIGIT CONVERSION TABLE         Percent Full: 4
                     Location: all
```

Matching Pattern	Min	Max	Del	Replacement String	Net	Conv	ANI Req
11	2	2	2	911#	ars	n	n
2	4	4	0		ext	y	n
18002321234	11	11	11	18002255700	ars	y	n

display aar digit-conversion 1

```
display aar digit-conversion                         Page    1 of X
                 AAR DIGIT CONVERSION TABLE         Percent Full: 4
                     Location: all
```

Matching Pattern	Min	Max	Del	Replacement String	Net	Conv	ANI Req
1	4	28	0	911#	ars	y	n
2	4	4	0		ext	y	n
x11	3	3	0	18002255700	ars	y	n

change route-pattern < *nnn* >

```
change route-pattern 99                              Page    1 of    X
                  Pattern Number: 99    Pattern Name: msgserver
                         SCCAN? n        Secure SIP? n
    Grp FRL NPA Pfx Hop Toll No.   Inserted                    DCS/ IXC
    No.         Mrk Lmt List Del   Digits                      QSIG
                         Dgts                                  Intw
  1: 99    0                                                    n   user
  2:                                                            n   user
  3:                                                            n   user
  4:                                                            n   user
  5:                                                            n   user
  6:                                                            n   user

    BCC VALUE   TSC CA-TSC   ITC BCIE Service/Feature BAND  No. Numbering LAR
    0 1 2 3 4 W     Request                                 Dgts Format
                                                            Subaddress
  1: y y y y y n  y  none      rest                                      rehu
  2: y y y y y n  n            rest                                      none
  3: y y y y y n  n            rest                                      none
  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            rest                                      none
```

change aar analysis < *nnn* >

```
change aar analysis 2                                Page    1 of    X
                       AAR DIGIT ANALYSIS TABLE
                                              Percent Full:     2

           Dialed        Total     Route    Call   Node  ANI
           String      Min  Max  Pattern    Type   Num   Reqd
  2000                   4    4      99      aar          n
```

change public-unknown-numbering

```
change public-unknown-numbering                       Page    1 of    X
                   NUMBERING - PUBLIC/UNKNOWN FORMAT
                               Total                                  Total
  Ext Ext    Trk     CPN          CPN Ext Ext    Trk     CPN           CPN
  Len Code   Grp(s)  Prefix       Len Len Code   Grp(s)  Prefix        Len

  4   2      99                   4
```

add hunt-group < *nnn* >

```
add hunt-group 99                                               Page   1 of X

                             HUNT GROUP

         Group Number: 99                                     ACD? n
           Group Name: msgserver                            Queue? n
      Group Extension: 2000                                Vector? n
           Group Type: ucd-mia                      Coverage Path:
                   TN: 1              Night Service Destination:
                  COR: 1                        MM Early Answer? n
        Security Code:                   Local Agent Preference? n
 ISDN/SIP Caller Display:
```

```
add hunt-group 99                                               Page   2 of X
                             HUNT GROUP

                LWC Reception: none           AUDIX Name:




                     Message Center: qsig-mwi
                Send Reroute Request: y
                   Voice Mail Number: 2000
 Routing Digits (e.g. AAR/ARS Access Code): 3        Provide Ringback? n
                TSC per MWI Interrogation? n
```

add coverage path < *nnn* >

```
add coverage path 99                                            Page   1 of X
                            COVERAGE PATH

              Coverage Path Number: 99
                                               Hunt after coverage? n
                 Next Path Number:              Linkage

COVERAGE CRITERIA

    Station/Group Status      Inside Call      Outside Call
            Active?                n                n
             Busy?                y                y
         Don't Answer?           y                y        Number of Rings: 3
             All?                 n                n
 DND/SAC/Goto Cover?             y                y
   Holiday Coverage?             n                n

COVERAGE POINTS

   Terminate to Coverage Pts. with Bridged Appearances? n
      Point1: h99              Point2:                    Point3:
      Point4:                  Point5:                    Point6:
```

save translations

change station <nnn>

```
change station 2002                                    Page    2 of X
                                  STATION
FEATURE OPTIONS
              LWC Reception: spe        Auto Select Any Idle Appearance? n
            LWC Activation? y                   Coverage Msg Retrieval? y
     LWC Log External Calls? n                              Auto Answer: none
               CDR Privacy? n                         Data Restriction? n
      Redirect Notification? y          Idle Appearance Preference? n
  Per Button Ring Control? n
      Bridged Call Alerting? n                  Restrict Last Appearance? y
   Active Station Ringing: single

           H.320 Conversion? n        Per Station CPN - Send Calling Number?
        Service Link Mode: as-needed
          Multimedia Mode: basic                Audible Message Waiting? n
     MWI Served User Type: qsig-mwi           Display Client Redirection? n
                                            Select Last Used Appearance? n
                                              Coverage After Forwarding? s

                                             Direct IP-IP Audio Connections? n
   Emergency Location Ext: 2002                    IP Audio Hairpinning? n
```

Verifying the messaging application
Calling the hunt group to access IA 770

From one of the stations that you created in Creating stations and
assigning coverage paths on
page 41, place a call to the messaging hunt group number that
you specified in Configuring a
hunt group and coverage path for messaging on page 33. You
should hear the greeting,
"Welcome to Audix." If you do not hear this greeting, ensure that
the settings for the hunt group,
coverage path, station, and subscriber are set properly by
reviewing the previous procedures in
this document.

Calling an extension to verify IA 770 coverage

Call one of the two stations that you set as a subscriber to the
messaging server and do not let
the call be answered. You should be routed to the IA 770 system.
You will hear the greeting,
"your call is being answered by AUDIX." If you do not hear this

greeting, ensure that the settings
for the hunt group, coverage path, station, and subscriber are set properly by reviewing the
configuration procedures in this document.
Leave a message and verify that the Message Waiting Indicator (MWI) lamp on the receiving
extension is lit. From the receiving extension, retrieve the message and verify that the MWI
lamp is no longer lit.

Check the following translation settings if path replacement does not occur:
• Verify that the Class of Restriction (COR) settings are correct in the Communication
Manager software. The settings Called and Calling Party Restrictions can
cause path replacement problems.
• Supplementary Services with Rerouting is set to **y** on page 8 of the
system-parameters customer-options form.
• Supplementary Service Protocol is set to **b** on page 2 of the trunk-group
form.
• A QSIG Path Replacement Extension is assigned on page 8 of the
system-parameters features form.